



SOMMAIRE

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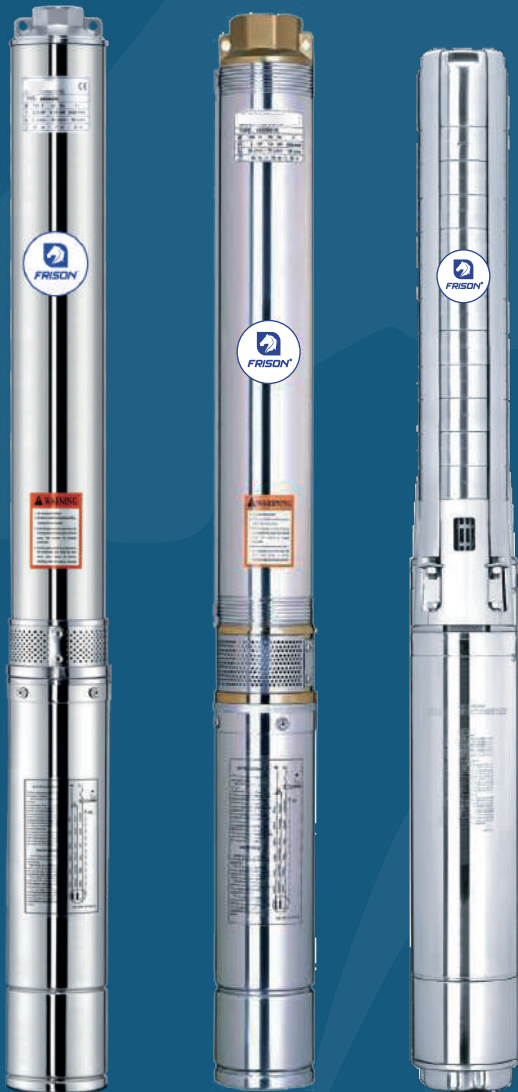
Series FPZB

164



SUBMERSIBLE DEEP WELL PUMP

F3SD/F4SD/F4SS / F4SA/F4E
F4CP / F4SP/F6SD / F6SS / F6SP
F6SR / FS/FSX / F8SR / FS200
F4PN / F3SV / F4SV / F4HN
F4NN / FQG





F3SD 1.8 / 2.5

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 3".

Motor and Pump

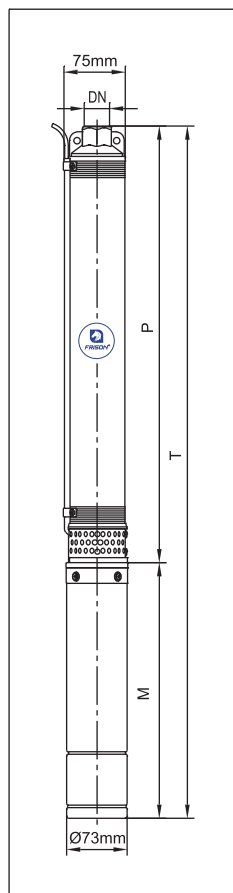
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).



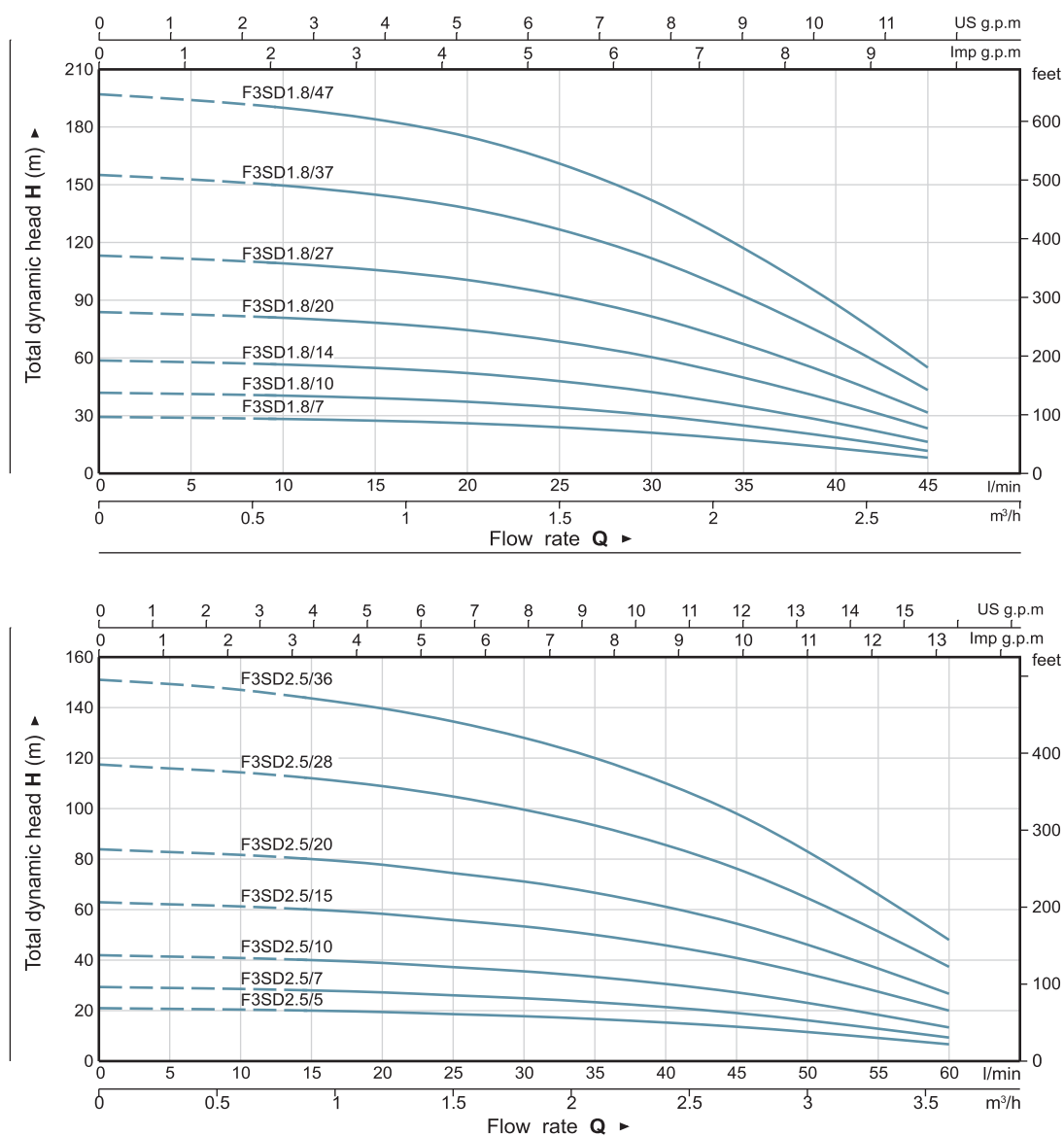
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	Cast-Cu ASTM C85500
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

F3 SD M 1.8 / 7

impeller's number
capacity (m³/h)
single phase
(three phase with no M marked)
pump name
well Ø3"

MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F3SDM1.8/7	F3SD1.8/7	1"	351	290	270	641	621	1.7	3.8	3.2	5.5	4.9
F3SDM1.8/10	F3SD1.8/10	1"	418	320	290	738	708	2.0	4.6	3.8	6.6	5.8
F3SDM1.8/14	F3SD1.8/14	1"	509	350	320	859	829	2.3	5.5	4.6	7.8	6.9
F3SDM1.8/20	F3SD1.8/20	1"	668	390	350	1058	1018	3.1	6.6	5.5	9.7	8.6
F3SDM1.8/27	F3SD1.8/27	1"	826	430	390	1256	1216	3.8	7.8	6.6	11.6	10.4
F3SDM1.8/37	F3SD1.8/37	1"	1051	510	430	1561	1481	4.7	9.9	7.8	14.6	12.5
F3SDM1.8/47	F3SD1.8/47	1"	1300	596	510	1896	1810	5.8	12.1	9.9	17.9	16.7
F3SDM2.5/5	F3SD2.5/5	1"	324	290	270	614	594	2.3	3.8	3.2	6.1	5.5
F3SDM2.5/7	F3SD2.5/7	1"	376	320	290	696	666	2.6	4.6	3.8	7.2	6.4
F3SDM2.5/10	F3SD2.5/10	1"	454	350	320	804	774	3.1	5.5	4.6	8.6	7.7
F3SDM2.5/15	F3SD2.5/15	1"	584	390	350	974	934	3.8	6.6	5.5	10.4	9.3
F3SDM2.5/20	F3SD2.5/20	1"	738	430	390	1168	1128	4.6	7.8	6.6	12.4	11.2
F3SDM2.5/28	F3SD2.5/28	1"	946	510	430	1456	1376	5.8	9.9	7.8	15.7	13.6
F3SDM2.5/36	F3SD2.5/36	1"	1154	596	510	1750	1664	6.9	12.1	9.9	19.0	16.8

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY																		n≈2850 1/min			
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6							
					l/min	0	5	10	15	20	25	30	35	40	45	50	55	60							
F3SDM1.8/7	F3SD1.8/7	0.18	0.25	H _(m)		29	29	28	27	26	24	21	17	13	8										
F3SDM1.8/10	F3SD1.8/10	0.25	0.33			42	41	40	39	37	34	30	25	19	12										
F3SDM1.8/14	F3SD1.8/14	0.37	0.5			59	58	57	55	52	48	42	35	26	16										
F3SDM1.8/20	F3SD1.8/20	0.55	0.75			84	83	81	78	74	69	60	50	37	23										
F3SDM1.8/27	F3SD1.8/27	0.75	1			113	111	109	106	101	92	82	67	51	32										
F3SDM1.8/37	F3SD1.8/37	1.1	1.5			155	153	150	145	138	127	112	92	69	43										
F3SDM1.8/47	F3SD1.8/47	1.5	2			197	194	190	184	175	161	142	117	88	55										
F3SDM2.5/5	F3SD2.5/5	0.18	0.25			21	21	20	20	19	19	18	17	15	14	12	9	7							
F3SDM2.5/7	F3SD2.5/7	0.25	0.33			29	29	29	28	27	26	25	23	21	19	16	13	9							
F3SDM2.5/10	F3SD2.5/10	0.37	0.5			42	41	41	40	39	37	36	33	31	27	23	18	13							
F3SDM2.5/15	F3SD2.5/15	0.55	0.75			63	62	61	60	58	56	53	50	46	41	35	27	20							
F3SDM2.5/20	F3SD2.5/20	0.75	1			84	83	82	80	78	74	71	67	61	54	46	37	27							
F3SDM2.5/28	F3SD2.5/28	1.1	1.5			117	116	114	112	109	104	100	93	86	76	65	51	37							
F3SDM2.5/36	F3SD2.5/36	1.5	2			151	149	147	144	140	134	128	120	110	98	83	66	48							



F3.5SD 3/4

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 3.5".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

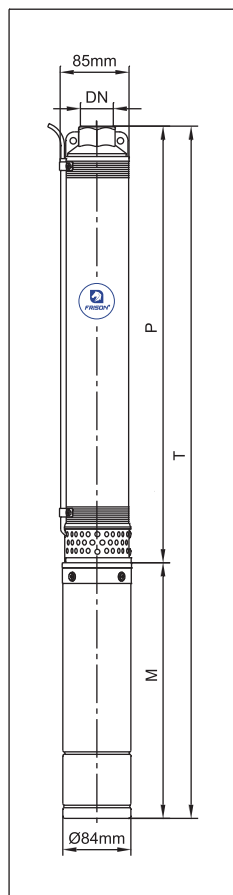
Warranty: 1 year

(according to our general sales conditions).

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-Cu ASTM C85500
Suction lantern	Cast-Cu ASTM C85500
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

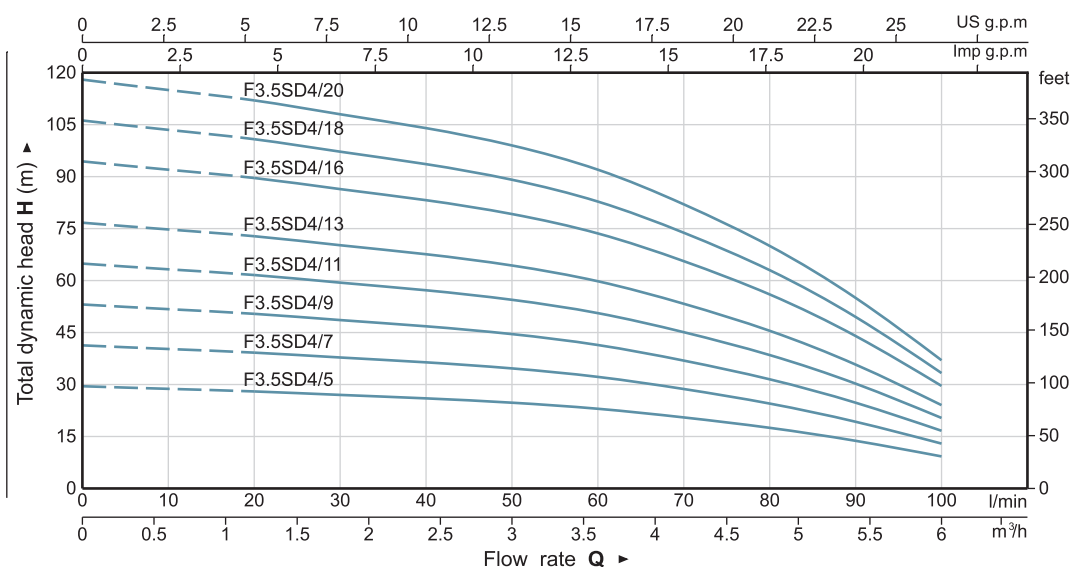
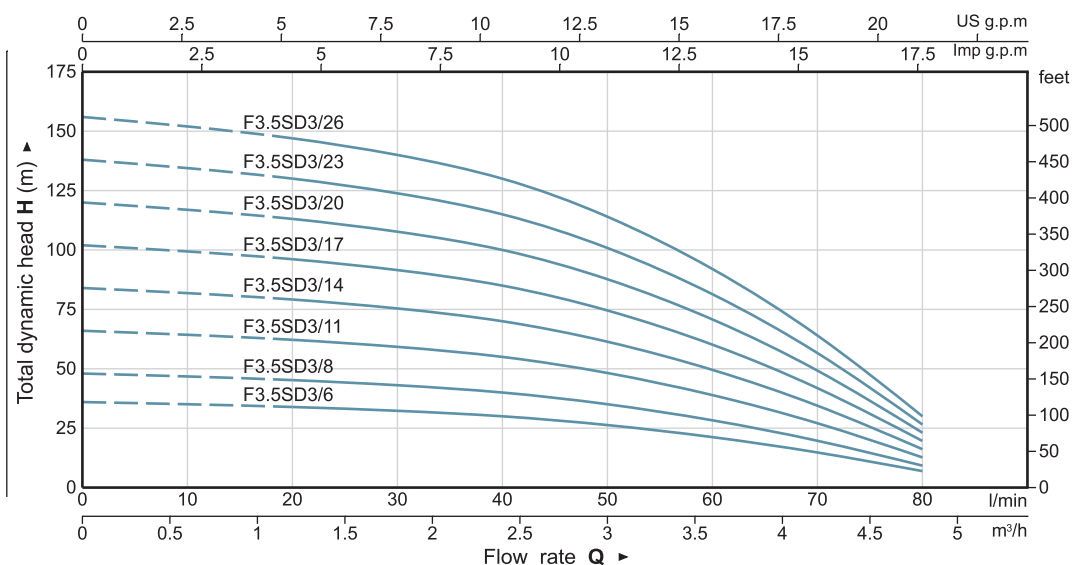
F3.5SD M 3 / 6

impeller's number
capacity (m³/h)
single phase
(three phase with no M marked)
pump name
well Ø3.5"



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F3.5SDM3/6	F3.5SD3/6	1¼"	395	302	282	697	677	3.2	5.6	4.8	8.8	8.0
F3.5SDM3/8	F3.5SD3/8	1¼"	447	317	302	764	749	3.5	6.1	5.6	9.6	9.1
F3.5SDM3/11	F3.5SD3/11	1¼"	526	337	317	863	843	4.0	6.9	6.1	10.9	10.1
F3.5SDM3/14	F3.5SD3/14	1¼"	606	362	337	968	943	4.5	7.8	6.9	12.3	11.4
F3.5SDM3/17	F3.5SD3/17	1¼"	685	387	362	1072	1074	5.0	8.8	7.8	13.8	12.8
F3.5SDM3/20	F3.5SD3/20	1¼"	786	412	387	1198	1173	5.4	9.7	8.8	15.1	14.2
F3.5SDM3/23	F3.5SD3/23	1¼"	865	437	412	1302	1277	5.9	10.7	9.7	16.6	15.6
F3.5SDM3/26	F3.5SD3/26	1¼"	944	462	437	1406	1381	6.4	11.6	10.7	18.0	17.1
F3.5SDM4/5	F3.5SD4/5	1¼"	346	302	282	648	628	3.2	5.6	4.8	8.8	8.0
F3.5SDM4/7	F3.5SD4/7	1¼"	399	317	302	716	701	3.5	6.1	5.6	9.6	9.1
F3.5SDM4/9	F3.5SD4/9	1¼"	451	337	317	788	768	3.9	6.9	6.1	10.8	10.0
F3.5SDM4/11	F3.5SD4/11	1¼"	504	362	337	866	841	4.2	7.8	6.9	12.0	11.1
F3.5SDM4/13	F3.5SD4/13	1¼"	557	387	362	944	919	4.6	8.8	7.8	13.4	12.4
F3.5SDM4/16	F3.5SD4/16	1¼"	636	412	387	1048	1023	5.1	9.7	8.8	14.8	13.9
F3.5SDM4/18	F3.5SD4/18	1¼"	714	437	412	1151	1126	5.4	10.7	9.7	16.1	15.1
F3.5SDM4/20	F3.5SD4/20	1¼"	767	462	437	1229	1204	5.8	11.6	10.7	17.4	16.5

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY													n≈2850 1/min	
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0		
					l/min	0	10	20	30	40	50	60	70	80	90	100		
F3.5SDM3/6	F3.5SD3/6	0.25	0.33	H(m)		36	35	34	32	30	26	21	15	7				
F3.5SDM3/8	F3.5SD3/8	0.37	0.5			48	47	45	43	40	35	28	20	9				
F3.5SDM3/11	F3.5SD3/11	0.55	0.75			66	64	62	59	55	48	39	27	13				
F3.5SDM3/14	F3.5SD3/14	0.75	1			84	82	79	75	70	61	50	34	16				
F3.5SDM3/17	F3.5SD3/17	1.1	1.5			102	99	96	92	85	75	60	42	20				
F3.5SDM3/20	F3.5SD3/20	1.1	1.5			120	117	113	108	100	88	71	49	23				
F3.5SDM3/23	F3.5SD3/23	1.5	2			138	134	130	124	115	101	81	57	27				
F3.5SDM3/26	F3.5SD3/26	1.5	2			156	152	147	140	130	114	92	64	30				
F3.5SDM4/5	F3.5SD4/5	0.25	0.33			30	29	28	27	26	25	23	20	17	14	9		
F3.5SDM4/7	F3.5SD4/7	0.37	0.5			41	40	39	38	36	35	32	28	24	19	12		
F3.5SDM4/9	F3.5SD4/9	0.55	0.75			53	52	50	49	47	45	41	36	31	25	16		
F3.5SDM4/11	F3.5SD4/11	0.75	1			65	63	62	59	57	54	51	45	38	30	19		
F3.5SDM4/13	F3.5SD4/13	1.1	1.5			77	75	73	70	68	64	60	53	45	36	23		
F3.5SDM4/16	F3.5SD4/16	1.1	1.5			94	92	90	86	83	79	74	65	56	44	28		
F3.5SDM4/18	F3.5SD4/18	1.5	2			106	104	101	97	94	89	83	73	63	50	32		
F3.5SDM4/20	F3.5SD4/20	1.5	2			118	115	112	108	104	99	92	81	70	55	35		



F4SD 2

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

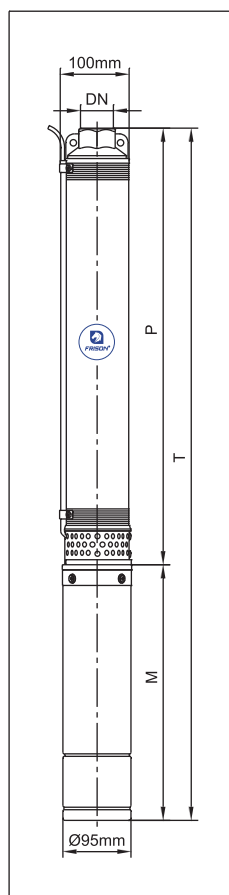
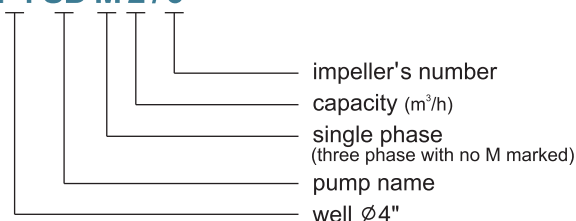
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

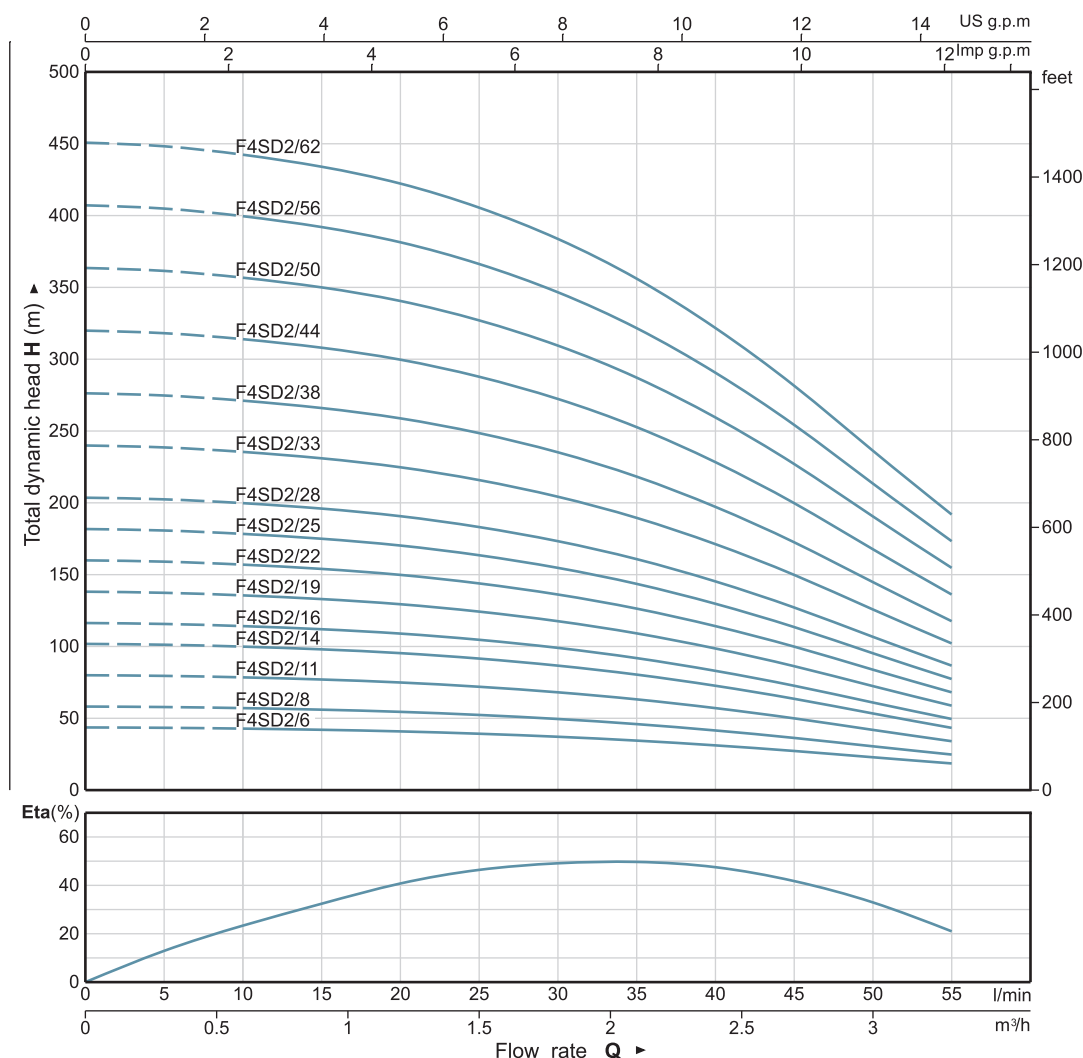
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SDM2/6



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SDM2/6	F4SD2/6	1"1¼"/1½"	378	298	298	676	676	3.0	6.2	5.9	9.2	8.9
F4SDM2/8	F4SD2/8	1"1¼"/1½"	428	313	313	741	741	3.5	6.9	6.6	10.4	10.1
F4SDM2/11	F4SD2/11	1"1¼"/1½"	503	328	328	831	831	4.3	7.6	7.2	11.9	11.5
F4SDM2/14	F4SD2/14	1"1¼"/1½"	577	343	343	920	920	5.0	8.2	7.9	13.2	12.9
F4SDM2/16	F4SD2/16	1"1¼"/1½"	627	358	343	985	970	5.5	8.9	7.9	14.4	13.4
F4SDM2/19	F4SD2/19	1"1¼"/1½"	702	378	378	1080	1080	6.2	9.8	9.5	16.0	15.7
F4SDM2/22	F4SD2/22	1"1¼"/1½"	777	398	378	1175	1155	7.0	10.7	9.5	17.7	16.5
F4SDM2/25	F4SD2/25	1"1¼"/1½"	852	423	413	1275	1265	7.7	11.8	11.0	19.5	18.7
F4SDM2/28	F4SD2/28	1"1¼"/1½"	958	448	413	1406	1371	8.4	12.9	11.0	21.3	19.4
F4SDM2/33	F4SD2/33	1"1¼"/1½"	1083	501	448	1584	1531	9.7	15.3	12.6	25.0	22.3
F4SDM2/38	F4SD2/38	1"1¼"/1½"	1208	541	501	1749	1709	10.9	17.4	15.2	28.3	26.1
-	F4SD2/44	1"1¼"/1½"	1357	-	526	-	1883	12.4	-	16.4	-	28.8
-	F4SD2/50	1"1¼"/1½"	1507	-	551	-	2058	13.9	-	17.7	-	31.6
-	F4SD2/56	1"1¼"/1½"	1688	-	581	-	2269	15.3	-	19.2	-	34.5
-	F4SD2/62	1"1¼"/1½"	1838	-	616	-	2454	16.8	-	20.9	-	37.7

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY																n≈2850 1/min	
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3				
					l/min	0	5	10	15	20	25	30	35	40	45	50	55				
F4SDM2/6	F4SD2/6	0.25	0.33	H(m)		44	43	43	42	41	39	37	34	31	27	23	19				
F4SDM2/8	F4SD2/8	0.37	0.5			58	58	57	56	54	52	50	46	42	36	30	25				
F4SDM2/11	F4SD2/11	0.55	0.75			80	79	78	77	75	72	68	63	57	50	42	34				
F4SDM2/14	F4SD2/14	0.75	1			102	101	100	98	95	92	87	80	73	64	53	43				
F4SDM2/16	F4SD2/16	0.75	1			116	116	114	112	109	105	99	92	83	73	61	50				
F4SDM2/19	F4SD2/19	1.1	1.5			138	137	135	133	129	124	118	109	99	86	72	59				
F4SDM2/22	F4SD2/22	1.1	1.5			160	159	157	154	150	144	136	126	114	100	84	68				
F4SDM2/25	F4SD2/25	1.5	2			182	181	178	175	170	164	155	144	130	114	95	77				
F4SDM2/28	F4SD2/28	1.5	2			204	202	200	196	191	183	173	161	145	127	107	87				
F4SDM2/33	F4SD2/33	2.2	3			240	238	235	231	225	216	204	189	171	150	126	102				
F4SDM2/38	F4SD2/38	2.2	3			276	275	271	266	259	249	235	218	197	173	145	118				
-	F4SD2/44	3	4			320	318	314	308	299	288	273	253	229	200	167	136				
-	F4SD2/50	3	4			364	361	356	350	340	327	310	287	260	227	190	155				
-	F4SD2/56	4	5.5			407	405	399	392	381	367	347	322	291	255	213	173				
-	F4SD2/62	4	5.5			451	448	442	434	422	406	384	356	322	282	236	192				



F4SD 3

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

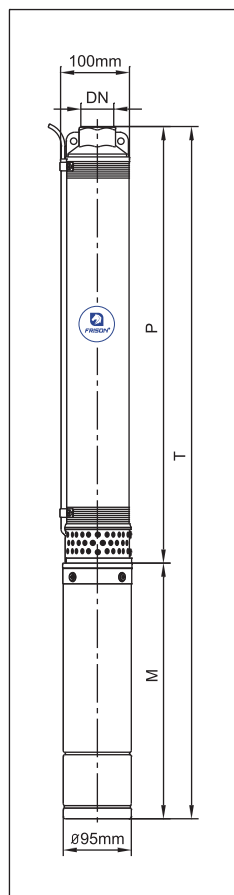
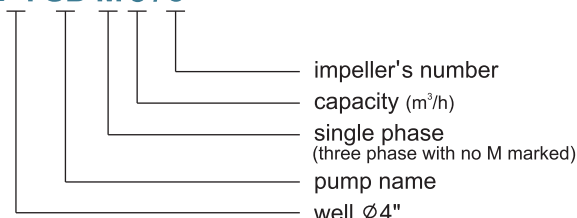
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

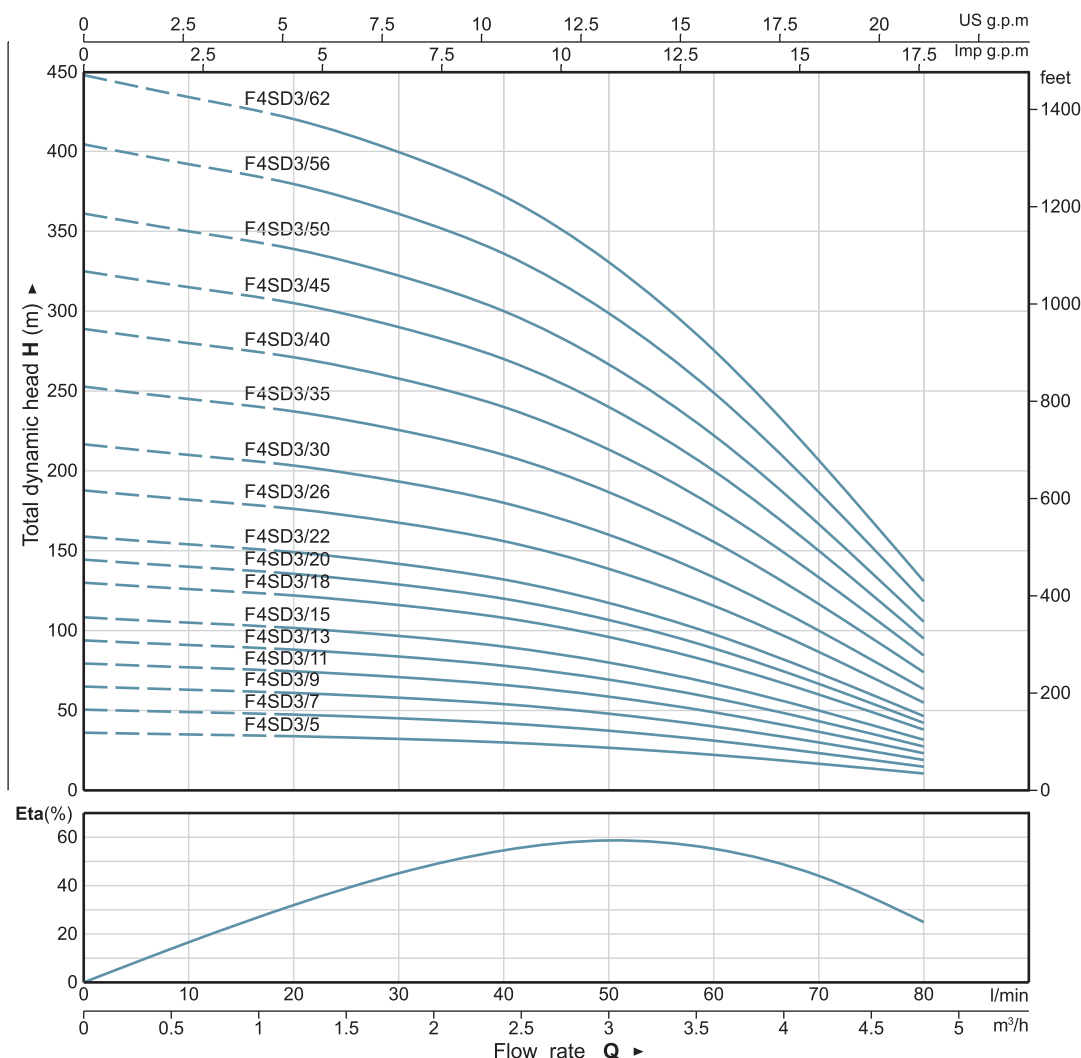
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SDM3/5



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SDM3/5	F4SD3/5	1¼"/1½"	363	298	298	661	661	3.0	6.2	5.9	9.2	8.9
F4SDM3/7	F4SD3/7	1¼"/1½"	417	313	313	730	730	3.5	6.9	6.6	10.4	10.1
F4SDM3/9	F4SD3/9	1¼"/1½"	471	328	328	799	799	4.1	7.6	7.2	11.7	11.3
F4SDM3/11	F4SD3/11	1¼"/1½"	525	343	343	868	868	4.6	8.2	7.9	12.8	12.5
F4SDM3/13	F4SD3/13	1¼"/1½"	578	358	343	936	921	5.1	8.9	7.9	14.0	13.0
F4SDM3/15	F4SD3/15	1¼"/1½"	632	378	378	1010	1010	5.6	9.8	9.5	15.4	15.1
F4SDM3/18	F4SD3/18	1¼"/1½"	713	398	378	1111	1091	6.4	10.7	9.5	17.1	15.9
F4SDM3/20	F4SD3/20	1¼"/1½"	767	423	413	1190	1180	6.9	11.8	11.0	18.7	17.9
F4SDM3/22	F4SD3/22	1¼"/1½"	821	448	413	1269	1234	7.4	12.9	11.0	20.3	18.4
F4SDM3/26	F4SD3/26	1¼"/1½"	960	501	448	1461	1408	8.5	15.3	12.6	23.8	21.1
F4SDM3/30	F4SD3/30	1¼"/1½"	1068	541	501	1609	1569	9.5	17.4	15.2	26.9	24.7
-	F4SD3/35	1¼"/1½"	1203	-	526	-	1729	10.8	-	16.4	-	27.2
-	F4SD3/40	1¼"/1½"	1338	-	551	-	1889	12.1	-	17.7	-	29.8
-	F4SD3/45	1¼"/1½"	1472	-	581	-	2053	13.4	-	19.2	-	32.6
-	F4SD3/50	1¼"/1½"	1639	-	616	-	2255	14.7	-	20.9	-	35.6
-	F4SD3/56	1¼"/1½"	1800	-	672	-	2472	16.2	-	22.9	-	39.1
-	F4SD3/62	1¼"/1½"	1962	-	712	-	2674	17.8	-	24.9	-	42.7

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY									
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	n=2850 1/min								
				$\frac{m^3}{h}$ l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8
					0	10	20	30	40	50	60	70	80
F4SDM3/5	F4SD3/5	0.25	0.33	H(m)	36	35	34	32	30	27	22	17	11
F4SDM3/7	F4SD3/7	0.37	0.5		51	49	47	45	42	37	31	23	15
F4SDM3/9	F4SD3/9	0.55	0.75		65	63	61	58	54	48	40	30	19
F4SDM3/11	F4SD3/11	0.75	1		80	77	74	71	66	59	49	37	23
F4SDM3/13	F4SD3/13	0.75	1		94	91	88	84	78	69	58	43	27
F4SDM3/15	F4SD3/15	1.1	1.5		108	105	102	97	90	80	67	50	32
F4SDM3/18	F4SD3/18	1.1	1.5		130	126	122	116	108	96	80	60	38
F4SDM3/20	F4SD3/20	1.5	2		145	140	135	129	120	107	89	67	42
F4SDM3/22	F4SD3/22	1.5	2		159	154	149	142	132	117	98	73	47
F4SDM3/26	F4SD3/26	2.2	3		188	182	176	168	156	139	116	87	55
F4SDM3/30	F4SD3/30	2.2	3		217	210	203	193	180	160	133	100	63
-	F4SD3/35	3	4		253	245	237	225	210	186	155	116	74
-	F4SD3/40	3	4		289	280	271	258	240	213	178	133	85
-	F4SD3/45	4	5.5		325	315	305	290	270	240	200	150	95
-	F4SD3/50	4	5.5		361	350	339	322	300	266	222	166	106
-	F4SD3/56	5.5	7.5		405	392	379	361	336	298	249	186	118
-	F4SD3/62	5.5	7.5		448	434	420	400	372	331	276	207	131



F4SD 4

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

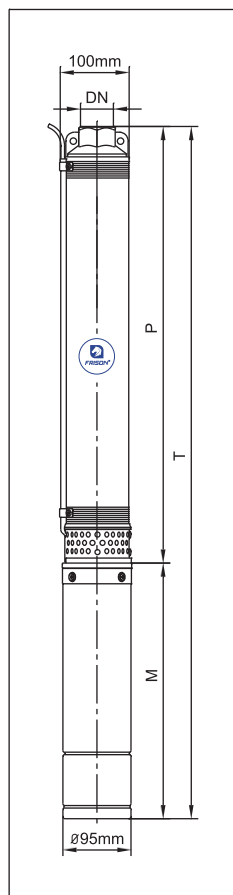
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

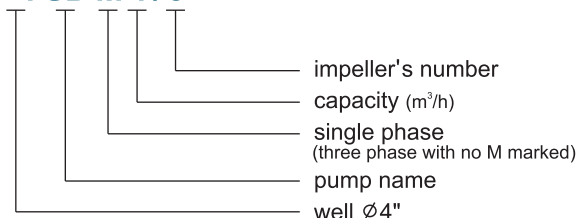
Warranty: 1 year

(according to our general sales conditions).



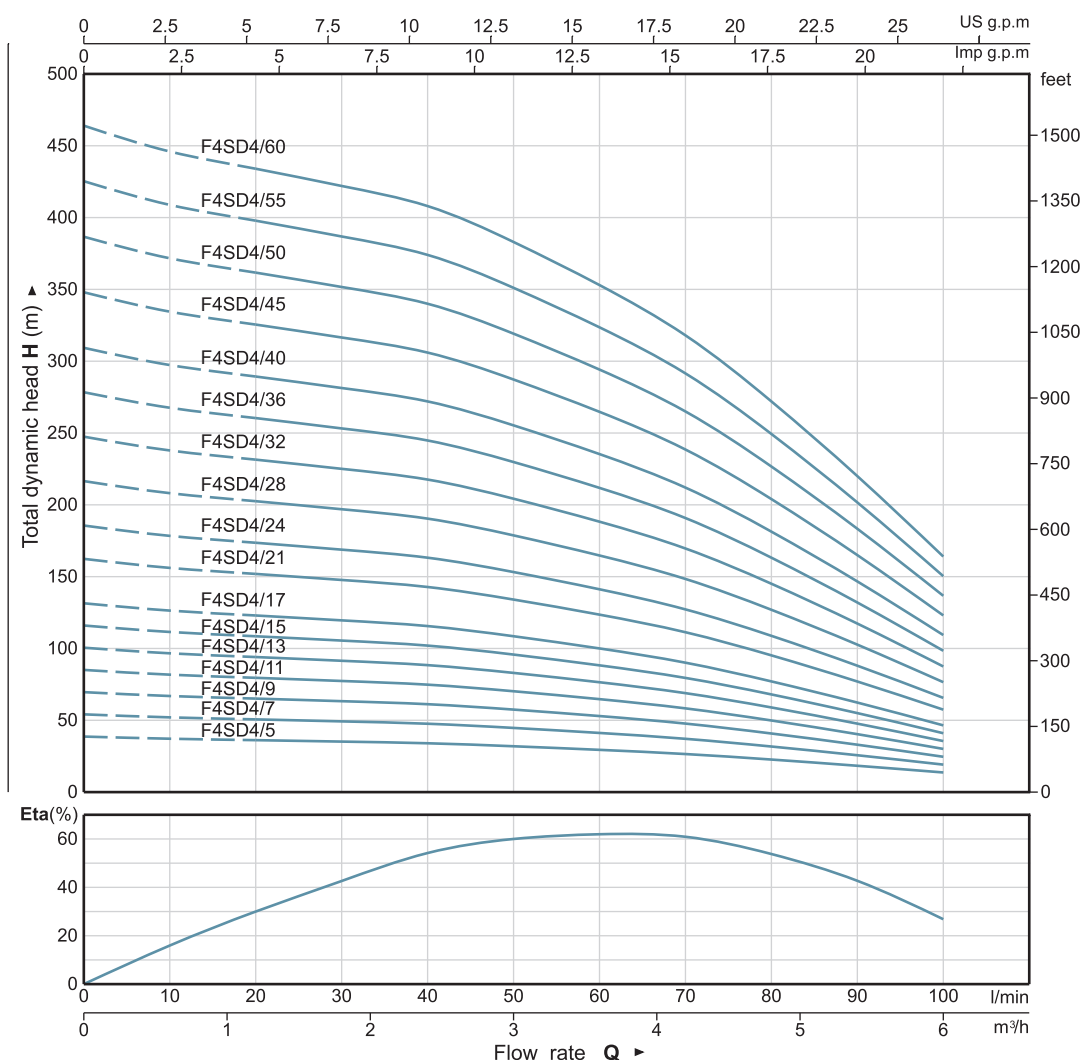
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4 SD M 4 / 5



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SDM4/5	F4SD4/5	1¼"/1½"/2"	369	313	313	682	682	3.3	6.9	6.6	10.2	9.9
F4SDM4/7	F4SD4/7	1¼"/1½"/2"	426	328	328	754	754	3.8	7.6	7.2	11.4	11.0
F4SDM4/8	F4SD4/8	1¼"/1½"/2"	454	343	343	797	797	4.1	8.2	7.9	12.3	12.0
F4SDM4/9	F4SD4/9	1¼"/1½"/2"	482	358	343	840	825	4.4	8.9	7.9	13.3	12.3
F4SDM4/11	F4SD4/11	1¼"/1½"/2"	539	378	378	917	917	4.9	9.8	9.5	14.7	14.4
F4SDM4/13	F4SD4/13	1¼"/1½"/2"	595	398	378	993	973	5.4	10.7	9.5	16.1	14.9
F4SDM4/15	F4SD4/15	1¼"/1½"/2"	652	423	413	1075	1065	6.0	11.8	11.0	17.8	17.0
F4SDM4/17	F4SD4/17	1¼"/1½"/2"	708	448	413	1156	1121	6.5	12.9	11.0	19.4	17.5
F4SDM4/21	F4SD4/21	1¼"/1½"/2"	821	501	448	1322	1269	7.6	15.3	12.6	22.9	20.2
F4SDM4/24	F4SD4/24	1¼"/1½"/2"	938	541	501	1479	1439	8.4	17.4	15.2	25.8	23.6
-	F4SD4/28	1¼"/1½"/2"	1051	-	526	-	1577	9.5	-	16.4	-	25.9
-	F4SD4/32	1¼"/1½"/2"	1164	-	551	-	1715	10.6	-	17.7	-	28.3
-	F4SD4/36	1¼"/1½"/2"	1277	-	581	-	1858	11.7	-	19.2	-	30.9
-	F4SD4/40	1¼"/1½"/2"	1390	-	616	-	2006	12.8	-	20.9	-	33.7
-	F4SD4/45	1¼"/1½"/2"	1531	-	672	-	2203	14.1	-	22.9	-	37.0
-	F4SD4/50	1¼"/1½"/2"	1704	-	712	-	2416	15.5	-	24.9	-	40.4
-	F4SD4/55	1¼"/1½"/2"	1845	-	762	-	2607	16.8	-	27.4	-	44.2
-	F4SD4/60	1¼"/1½"/2"	1986	-	812	-	2798	18.2	-	29.9	-	48.1

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY												n≈2850 1/min	
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	
					l/min	0	10	20	30	40	50	60	70	80	90	100	
F4SDM4/5	F4SD4/5	0.37	0.5	H(m)		39	37	36	35	34	32	29	26	23	18	14	
F4SDM4/7	F4SD4/7	0.55	0.75			54	52	51	49	48	45	41	37	32	26	19	
F4SDM4/8	F4SD4/8	0.75	1			62	59	58	56	54	51	47	42	36	29	22	
F4SDM4/9	F4SD4/9	0.75	1			70	67	65	63	61	57	53	48	41	33	25	
F4SDM4/11	F4SD4/11	1.1	1.5			85	82	80	77	75	70	65	58	50	40	30	
F4SDM4/13	F4SD4/13	1.1	1.5			101	97	94	91	88	83	76	69	59	48	36	
F4SDM4/15	F4SD4/15	1.5	2			116	111	108	105	102	96	88	79	68	55	41	
F4SDM4/17	F4SD4/17	1.5	2			131	126	123	120	116	109	100	90	77	62	46	
F4SDM4/21	F4SD4/21	2.2	3			162	156	152	148	143	134	124	111	95	77	57	
F4SDM4/24	F4SD4/24	2.2	3			186	178	174	169	163	153	141	127	109	88	66	
-	F4SD4/28	3	4			217	208	203	197	190	179	165	148	127	103	77	
-	F4SD4/32	3	4			247	238	231	225	218	204	188	170	145	117	87	
-	F4SD4/36	4	5.5			278	268	260	253	245	230	212	191	163	132	98	
-	F4SD4/40	4	5.5			309	297	289	281	272	255	235	212	181	147	109	
-	F4SD4/45	5.5	7.5			348	335	326	317	306	287	265	239	204	165	123	
-	F4SD4/50	5.5	7.5			387	372	362	352	340	319	294	265	227	183	137	
-	F4SD4/55	7.5	10			425	409	398	387	374	351	324	291	249	202	150	
-	F4SD4/60	7.5	10			464	446	434	422	408	383	353	318	272	220	164	



F4SD 6

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor

Three-phase: 380V - 415V /50Hz

Single-phase: 220V - 240V /50Hz

Equip with start control box or digital auto-control box

Pumps are designed by casing stressed

NEMA dimension standards

Curve tolerance according to ISO 9906

Options on request

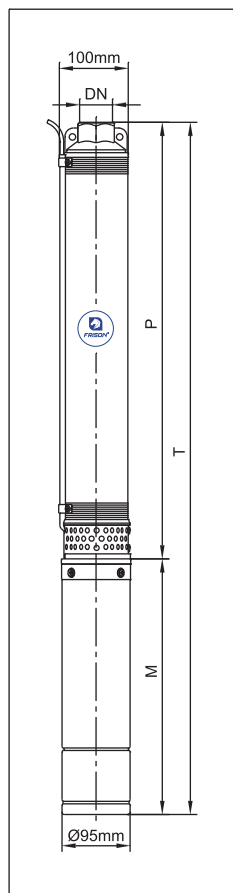
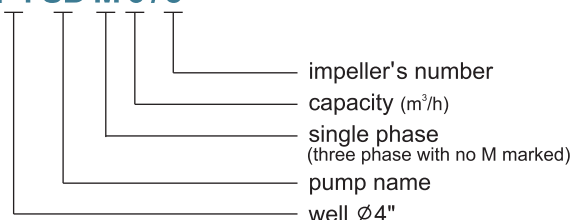
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

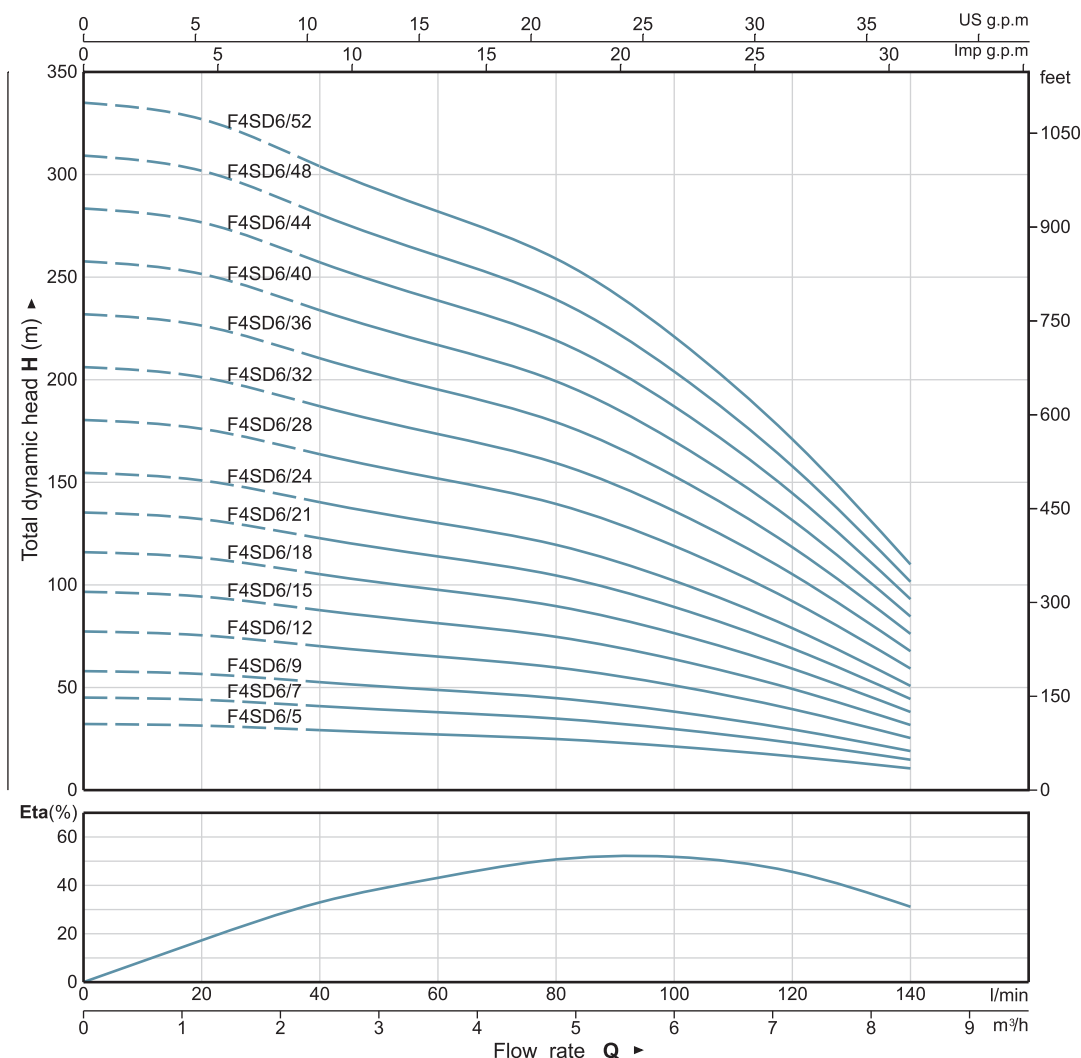
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	① AISI 316 SS ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② AISI 403 SS ③ Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SDM6/5



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SDM6/5	F4SD6/5	1¼"/1½"/2"	413	313	313	726	726	3.5	6.9	6.6	10.4	10.1
F4SDM6/7	F4SD6/7	1¼"/1½"/2"	479	328	328	807	807	4.1	7.6	7.2	11.7	11.3
F4SDM6/8	F4SD6/8	1¼"/1½"/2"	512	343	343	855	855	4.4	8.2	7.9	12.6	12.3
F4SDM6/9	F4SD6/9	1¼"/1½"/2"	545	358	343	903	888	4.7	8.9	7.9	13.6	12.6
F4SDM6/10	F4SD6/10	1¼"/1½"/2"	578	378	378	956	956	4.9	9.8	9.5	14.7	14.4
F4SDM6/12	F4SD6/12	1¼"/1½"/2"	644	398	378	1042	1022	5.5	10.7	9.5	16.2	15.0
F4SDM6/13	F4SD6/13	1¼"/1½"/2"	676	423	413	1099	1089	5.8	11.8	11.0	17.6	16.8
F4SDM6/15	F4SD6/15	1¼"/1½"/2"	742	448	413	1190	1155	6.4	12.9	11.0	19.3	17.4
F4SDM6/18	F4SD6/18	1¼"/1½"/2"	841	501	448	1342	1289	7.2	15.3	12.6	22.5	19.8
F4SDM6/21	F4SD6/21	1¼"/1½"/2"	972	541	501	1513	1473	8.1	17.4	15.2	25.5	23.3
-	F4SD6/24	1¼"/1½"/2"	1070	-	526	-	1596	8.9	-	16.4	-	25.3
-	F4SD6/28	1¼"/1½"/2"	1202	-	551	-	1753	10.1	-	17.7	-	27.8
-	F4SD6/32	1¼"/1½"/2"	1334	-	581	-	1915	11.2	-	19.2	-	30.4
-	F4SD6/36	1¼"/1½"/2"	1466	-	616	-	2082	12.3	-	20.9	-	33.2
-	F4SD6/40	1¼"/1½"/2"	1629	-	672	-	2301	13.5	-	22.9	-	36.4
-	F4SD6/44	1¼"/1½"/2"	1761	-	712	-	2473	14.6	-	24.9	-	39.5
-	F4SD6/48	1¼"/1½"/2"	1893	-	762	-	2655	15.7	-	27.4	-	43.1
-	F4SD6/52	1¼"/1½"/2"	2025	-	812	-	2837	16.9	-	29.9	-	46.8

• In the list: M(S) is single phase motor, M(T) is three phase motor.
• In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY								
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	n≈2850 1/min							
				m^3/h l/min	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
					0	20	40	60	80	100	120	140
F4SDM6/5	F4SD6/5	0.37	0.5	H(m)	32	31	29	27	25	21	16	11
F4SDM6/7	F4SD6/7	0.55	0.75		45	44	41	38	35	30	23	15
F4SDM6/8	F4SD6/8	0.75	1		52	50	47	43	40	34	26	17
F4SDM6/9	F4SD6/9	0.75	1		58	57	53	49	45	38	30	19
F4SDM6/10	F4SD6/10	1.1	1.5		64	63	58	54	50	42	33	21
F4SDM6/12	F4SD6/12	1.1	1.5		77	75	70	65	60	51	39	25
F4SDM6/13	F4SD6/13	1.5	2		84	82	76	70	65	55	43	27
F4SDM6/15	F4SD6/15	1.5	2		97	94	88	81	75	64	49	32
F4SDM6/18	F4SD6/18	2.2	3		116	113	105	98	90	76	59	38
F4SDM6/21	F4SD6/21	2.2	3		135	132	123	114	105	89	69	44
-	F4SD6/24	3	4		155	151	140	130	120	102	79	51
-	F4SD6/28	3	4		180	176	164	152	139	119	92	59
-	F4SD6/32	4	5.5		206	201	187	174	159	136	105	68
-	F4SD6/36	4	5.5		232	226	210	195	179	153	118	76
-	F4SD6/40	5.5	7.5		258	252	234	217	199	170	132	85
-	F4SD6/44	5.5	7.5		283	277	257	239	219	187	145	93
-	F4SD6/48	7.5	10		309	302	281	260	239	204	158	102
-	F4SD6/52	7.5	10		335	327	304	282	259	221	171	110



F4SD 8

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

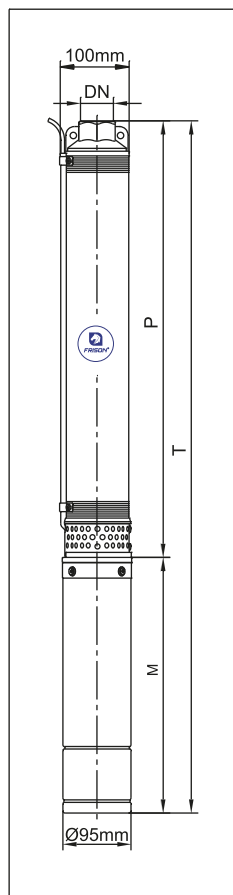
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

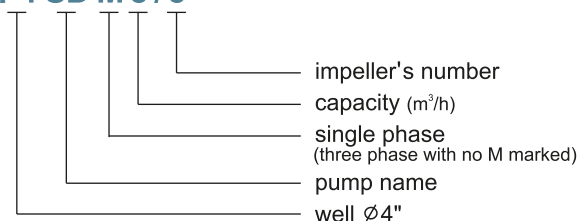
Warranty: 1 year

(according to our general sales conditions).



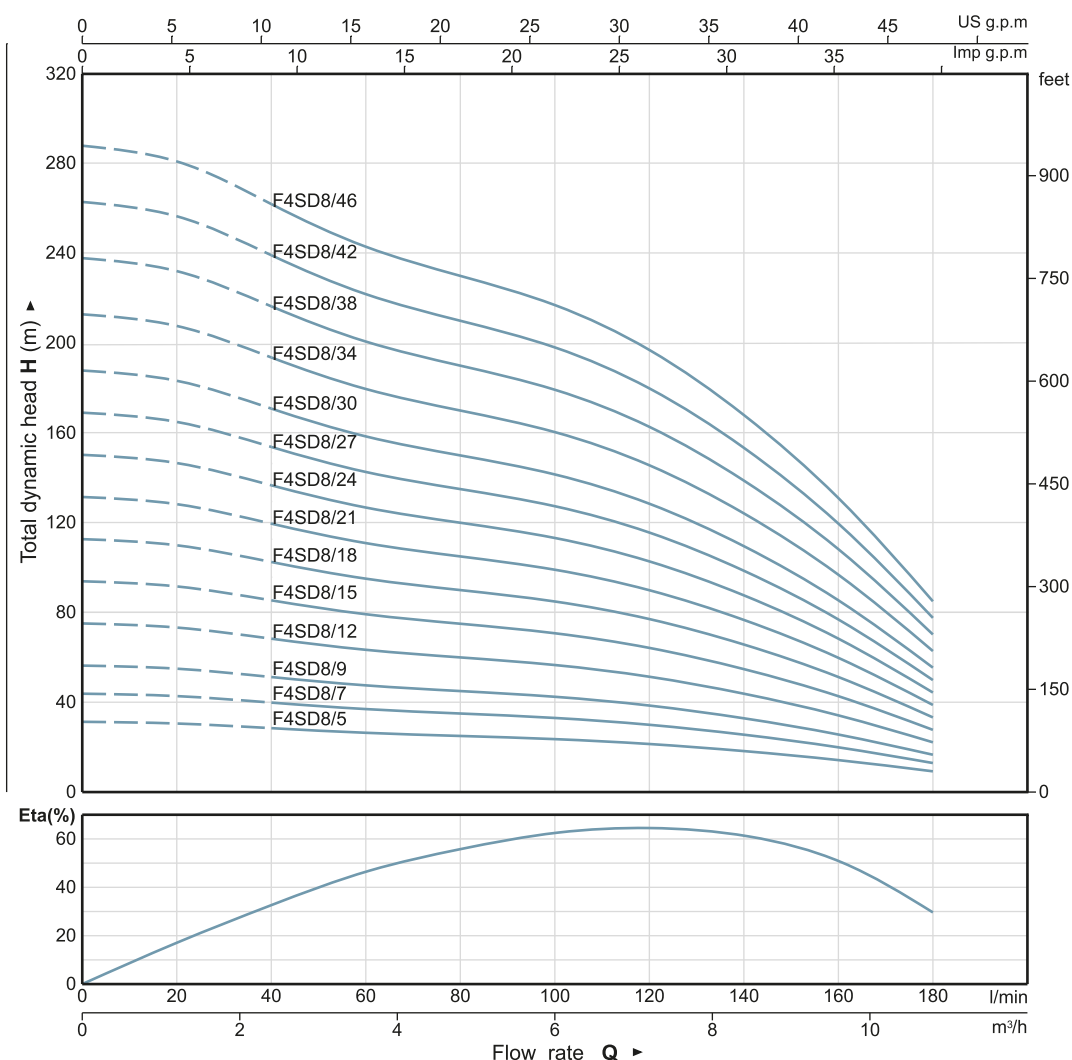
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② AISI 403 SS ③ Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SDM8/5



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
F4SDM8/5	F4SD8/5	1¼"/1½"/2"	439	328	328	767	767	3.8	7.6	7.2	11.4	11.0
F4SDM8/6	F4SD8/6	1¼"/1½"/2"	477	343	343	820	820	4.1	8.2	7.9	12.3	12.0
F4SDM8/7	F4SD8/7	1¼"/1½"/2"	515	358	343	873	858	4.4	8.9	7.9	13.3	12.3
F4SDM8/8	F4SD8/8	1¼"/1½"/2"	553	378	378	931	931	4.6	9.8	9.5	14.4	14.1
F4SDM8/9	F4SD8/9	1¼"/1½"/2"	591	398	378	989	969	4.9	10.7	9.5	15.6	14.4
F4SDM8/10	F4SD8/10	1¼"/1½"/2"	630	423	413	1053	1043	5.2	11.8	11.0	17.0	16.2
F4SDM8/12	F4SD8/12	1¼"/1½"/2"	706	448	413	1154	1119	5.8	12.9	11.0	18.7	16.8
F4SDM8/15	F4SD8/15	1¼"/1½"/2"	820	501	448	1321	1268	6.7	15.3	12.6	22.0	19.3
F4SDM8/18	F4SD8/18	1¼"/1½"/2"	966	541	501	1507	1467	7.6	17.4	15.2	25.0	22.8
-	F4SD8/21	1¼"/1½"/2"	1081	-	526	-	1607	8.5	-	16.4	-	24.9
-	F4SD8/24	1¼"/1½"/2"	1195	-	551	-	1746	9.4	-	17.7	-	27.1
-	F4SD8/27	1¼"/1½"/2"	1310	-	581	-	1891	10.3	-	19.2	-	29.5
-	F4SD8/30	1¼"/1½"/2"	1424	-	616	-	2040	11.2	-	20.9	-	32.1
-	F4SD8/34	1¼"/1½"/2"	1577	-	672	-	2249	12.3	-	22.9	-	35.2
-	F4SD8/38	1¼"/1½"/2"	1761	-	712	-	2473	13.5	-	24.9	-	38.4
-	F4SD8/42	1¼"/1½"/2"	1913	-	762	-	2675	14.7	-	27.4	-	42.1
-	F4SD8/46	1¼"/1½"/2"	2066	-	812	-	2878	15.9	-	29.9	-	45.8

• In the list: M(s) is single phase motor, M(T) is three phase motor.
• In the list: T(s) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY												n≈2850 1/min	
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h l/min	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8		
						0	20	40	60	80	100	120	140	160	180		
F4SDM8/5	F4SD8/5	0.55	0.75	H(m)		31	31	28	26	25	24	21	18	14	9		
F4SDM8/6	F4SD8/6	0.75	1			38	37	34	32	30	28	26	22	17	11		
F4SDM8/7	F4SD8/7	0.75	1			44	43	40	37	35	33	30	26	20	13		
F4SDM8/8	F4SD8/8	1.1	1.5			50	49	46	42	40	38	34	29	23	15		
F4SDM8/9	F4SD8/9	1.1	1.5			56	55	51	48	45	42	39	33	26	17		
F4SDM8/10	F4SD8/10	1.5	2			63	61	57	53	50	47	43	37	28	18		
F4SDM8/12	F4SD8/12	1.5	2			75	73	68	63	60	57	51	44	34	22		
F4SDM8/15	F4SD8/15	2.2	3			94	92	85	79	75	71	64	55	43	28		
F4SDM8/18	F4SD8/18	2.2	3			113	110	103	95	90	85	77	66	51	33		
-	F4SD8/21	3	4			131	128	120	111	105	99	90	77	60	39		
-	F4SD8/24	3	4			150	147	137	127	120	113	103	88	68	44		
-	F4SD8/27	4	5.5			169	165	154	143	135	127	116	99	77	50		
-	F4SD8/30	4	5.5			188	183	171	158	150	142	128	110	85	55		
-	F4SD8/34	5.5	7.5			213	208	194	180	170	160	146	124	97	63		
-	F4SD8/38	5.5	7.5			238	232	216	201	190	179	163	139	108	70		
-	F4SD8/42	7.5	10			263	257	239	222	210	198	180	153	120	78		
-	F4SD8/46	7.5	10			288	281	262	243	230	217	197	168	131	85		



F4SD 10

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

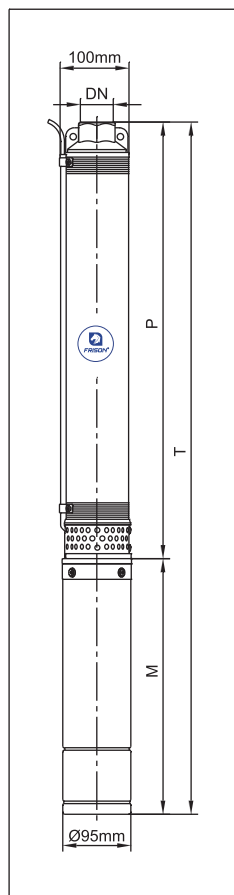
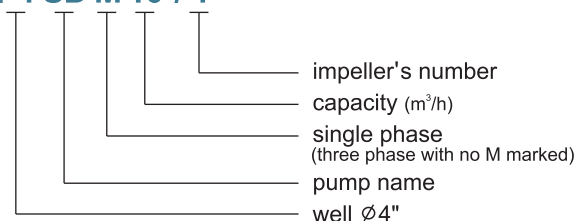
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

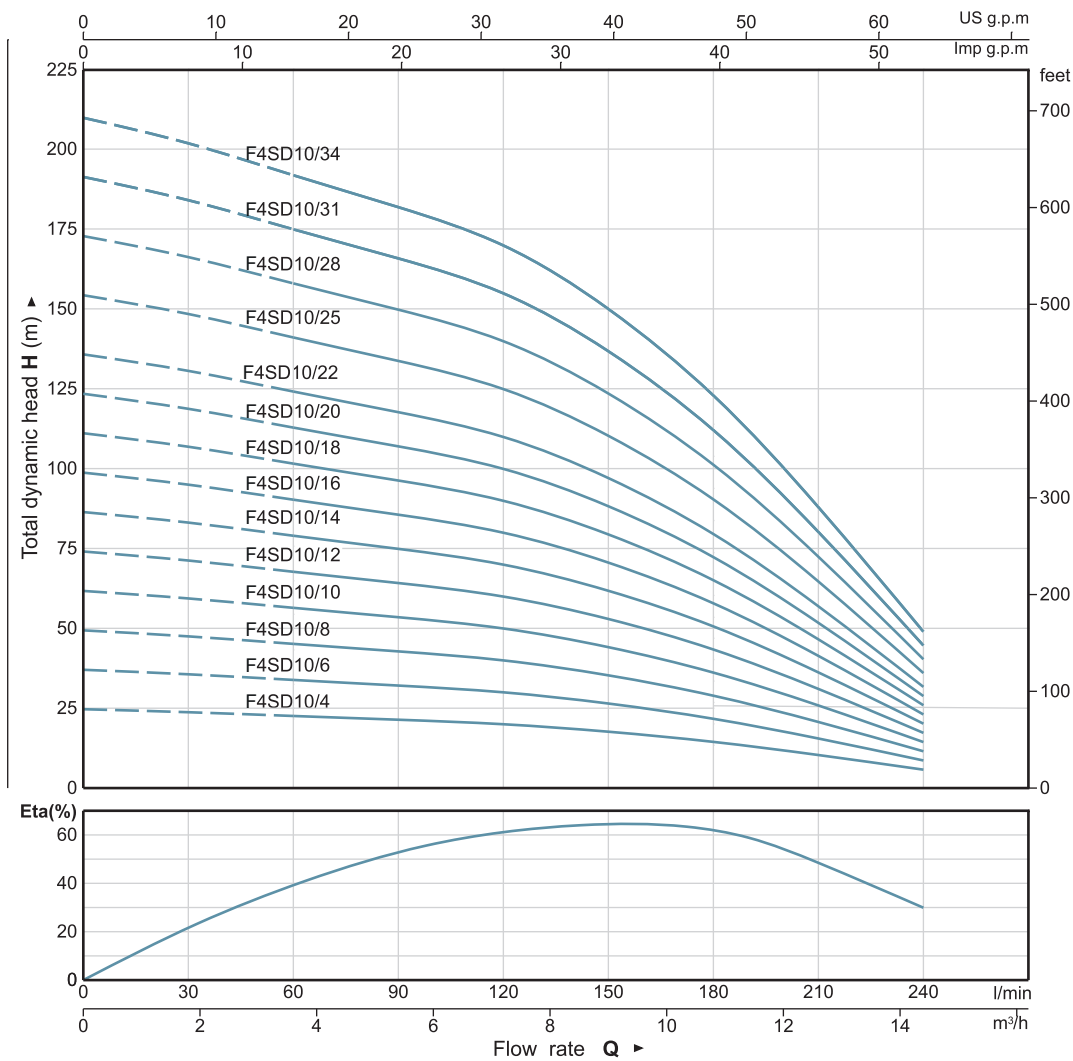
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	① AISI 316 SS ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② AISI 403 SS ③ Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SDM10/4



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SDM10/4	F4SD10/4	1¼"/1½"/2"	401	252	252	653	653	3.5	8.2	7.9	11.7	11.4
F4SDM10/5	F4SD10/5	1¼"/1½"/2"	439	358	252	797	691	3.8	8.9	7.9	12.7	11.7
F4SDM10/6	F4SD10/6	1¼"/1½"/2"	477	378	378	855	855	4.1	9.8	9.5	13.9	13.6
F4SDM10/7	F4SD10/7	1¼"/1½"/2"	515	398	378	913	893	4.4	10.7	9.5	15.1	13.9
F4SDM10/8	F4SD10/8	1¼"/1½"/2"	553	423	413	976	966	4.6	11.8	11.0	16.4	15.6
F4SDM10/10	F4SD10/10	1¼"/1½"/2"	630	448	413	1078	1043	5.2	12.9	11.0	18.1	16.2
F4SDM10/12	F4SD10/12	1¼"/1½"/2"	706	501	448	1207	1154	5.8	15.3	12.6	21.1	18.4
F4SDM10/14	F4SD10/14	1¼"/1½"/2"	782	541	501	1323	1283	6.4	17.4	15.2	23.8	21.6
-	F4SD10/16	1¼"/1½"/2"	859	-	526	-	1385	7.0	-	16.4	-	23.4
-	F4SD10/18	1¼"/1½"/2"	966	-	551	-	1517	7.6	-	17.7	-	25.3
-	F4SD10/20	1¼"/1½"/2"	1043	-	581	-	1624	8.2	-	19.2	-	27.4
-	F4SD10/22	1¼"/1½"/2"	1119	-	616	-	1735	8.8	-	20.9	-	29.7
-	F4SD10/25	1¼"/1½"/2"	1233	-	672	-	1905	9.7	-	22.9	-	32.6
-	F4SD10/28	1¼"/1½"/2"	1348	-	712	-	2060	10.6	-	24.9	-	35.5
-	F4SD10/31	1¼"/1½"/2"	1462	-	762	-	2224	11.5	-	27.4	-	38.9
-	F4SD10/34	1¼"/1½"/2"	1577	-	812	-	2389	12.3	-	29.9	-	42.2

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY										n≈2850 1/min			
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h l/min	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4			
						0	30	60	90	120	150	180	210	240			
F4SDM10/4	F4SD10/4	0.75	1	H _(m)		25	24	23	21	20	18	14	10	6			
F4SDM10/5	F4SD10/5	0.75	1			31	30	28	27	25	22	18	13	7			
F4SDM10/6	F4SD10/6	1.1	1.5			37	36	34	32	30	26	22	16	9			
F4SDM10/7	F4SD10/7	1.1	1.5			43	42	40	37	35	31	25	18	10			
F4SDM10/8	F4SD10/8	1.5	2			49	48	45	43	40	35	29	21	12			
F4SDM10/10	F4SD10/10	1.5	2			62	59	56	54	50	44	36	26	14			
F4SDM10/12	F4SD10/12	2.2	3			74	71	68	64	60	53	43	31	17			
F4SDM10/14	F4SD10/14	2.2	3			86	83	79	75	70	62	51	36	20			
-	F4SD10/16	3	4			99	95	90	86	80	71	58	41	23			
-	F4SD10/18	3	4			111	107	102	96	90	79	65	47	26			
-	F4SD10/20	4	5.5			124	119	113	107	100	88	72	52	29			
-	F4SD10/22	4	5.5			136	131	124	118	110	97	80	57	32			
-	F4SD10/25	5.5	7.5			154	149	141	134	125	110	90	65	36			
-	F4SD10/28	5.5	7.5			173	166	158	150	140	124	101	72	40			
-	F4SD10/31	7.5	10			191	184	175	166	155	137	112	80	45			
-	F4SD10/34	7.5	10			210	202	192	182	170	150	123	88	49			



F4SD 12

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

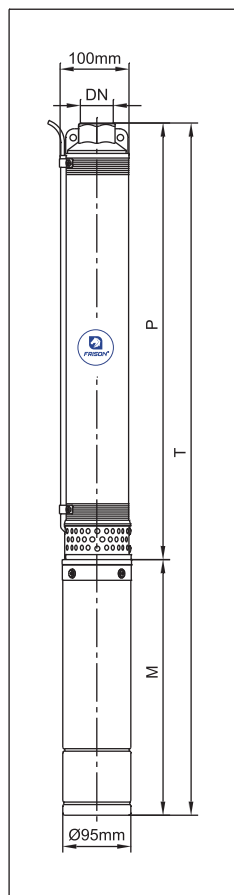
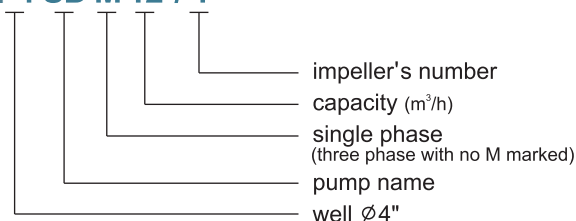
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

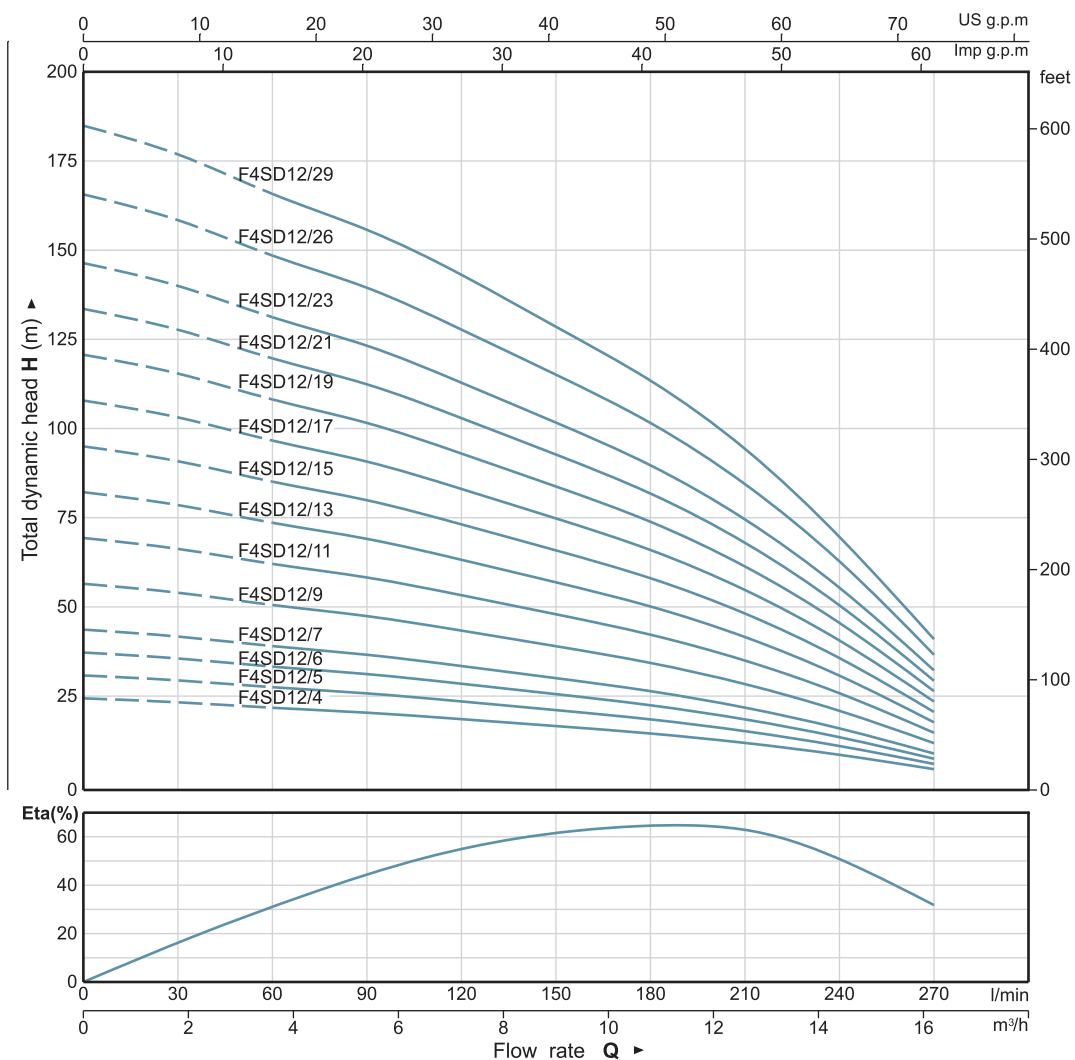
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② AISI 403 SS ③ Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SDM12/4



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SDM12/4	F4SD12/4	1¼"/1½"/2"	443	378	378	821	821	4.3	9.8	9.5	14.1	13.8
F4SDM12/5	F4SD12/5	1¼"/1½"/2"	491	398	378	889	869	4.7	10.7	9.5	15.4	14.2
F4SDM12/6	F4SD12/6	1¼"/1½"/2"	540	423	413	963	953	5.1	11.8	11.0	16.9	16.1
F4SDM12/7	F4SD12/7	1¼"/1½"/2"	589	448	413	1037	1002	5.5	12.9	11.0	18.4	16.5
F4SDM12/9	F4SD12/9	1¼"/1½"/2"	686	501	448	1187	1134	6.2	15.3	12.6	21.5	18.8
F4SDM12/11	F4SD12/11	1¼"/1½"/2"	783	541	501	1324	1284	7.0	17.4	15.2	24.4	22.2
-	F4SD12/13	1¼"/1½"/2"	881	-	526	-	1407	7.7	-	16.4	-	24.1
-	F4SD12/15	1¼"/1½"/2"	1009	-	551	-	1560	8.5	-	17.7	-	26.2
-	F4SD12/17	1¼"/1½"/2"	1107	-	581	-	1688	9.3	-	19.2	-	28.5
-	F4SD12/19	1¼"/1½"/2"	1204	-	616	-	1820	10.0	-	20.9	-	30.9
-	F4SD12/21	1¼"/1½"/2"	1301	-	672	-	1973	10.8	-	22.9	-	33.7
-	F4SD12/23	1¼"/1½"/2"	1399	-	712	-	2111	11.5	-	24.9	-	36.4
-	F4SD12/26	1¼"/1½"/2"	1545	-	762	-	2307	12.7	-	27.4	-	40.1
-	F4SD12/29	1¼"/1½"/2"	1722	-	812	-	2534	13.8	-	29.9	-	43.7

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY												
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	n≈2850 1/min											
					m³/h l/min	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	
						0	30	60	90	120	150	180	210	240	270	
F4SDM12/4	F4SD12/4	1.1	1.5	H(m)		26	24	23	22	20	18	16	13	10	6	
F4SDM12/5	F4SD12/5	1.1	1.5			32	31	29	27	25	22	20	16	12	7	
F4SDM12/6	F4SD12/6	1.5	2			38	37	34	32	30	27	24	20	15	9	
F4SDM12/7	F4SD12/7	1.5	2			45	43	40	38	35	31	28	23	17	10	
F4SDM12/9	F4SD12/9	2.2	3			57	55	52	48	45	40	35	29	22	13	
F4SDM12/11	F4SD12/11	2.2	3			70	67	63	59	55	49	43	36	27	16	
-	F4SD12/13	3	4			83	79	74	70	65	58	51	43	32	19	
-	F4SD12/15	3	4			96	92	86	81	74	67	59	49	37	22	
-	F4SD12/17	4	5.5			108	104	97	91	84	76	67	56	42	25	
-	F4SD12/19	4	5.5			121	116	109	102	94	85	75	62	47	28	
-	F4SD12/21	5.5	7.5			134	128	120	113	104	93	83	69	51	30	
-	F4SD12/23	5.5	7.5			147	140	132	124	114	102	90	75	56	33	
-	F4SD12/26	7.5	10			166	159	149	140	129	116	102	85	64	38	
-	F4SD12/29	7.5	10			185	177	166	156	144	129	114	95	71	42	



F4SD 16

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

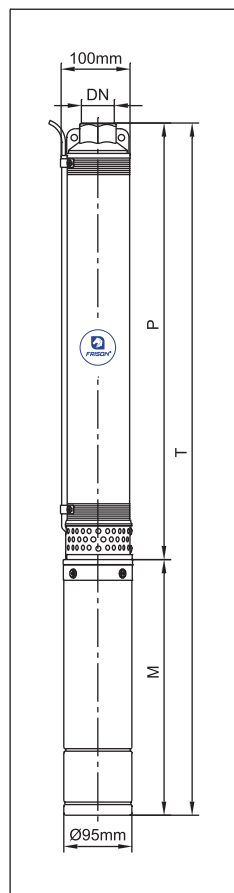
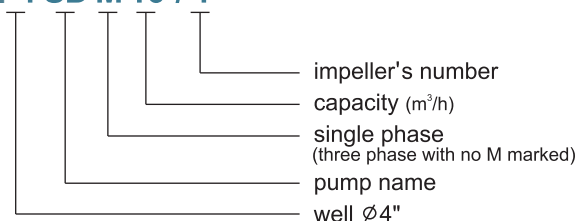
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

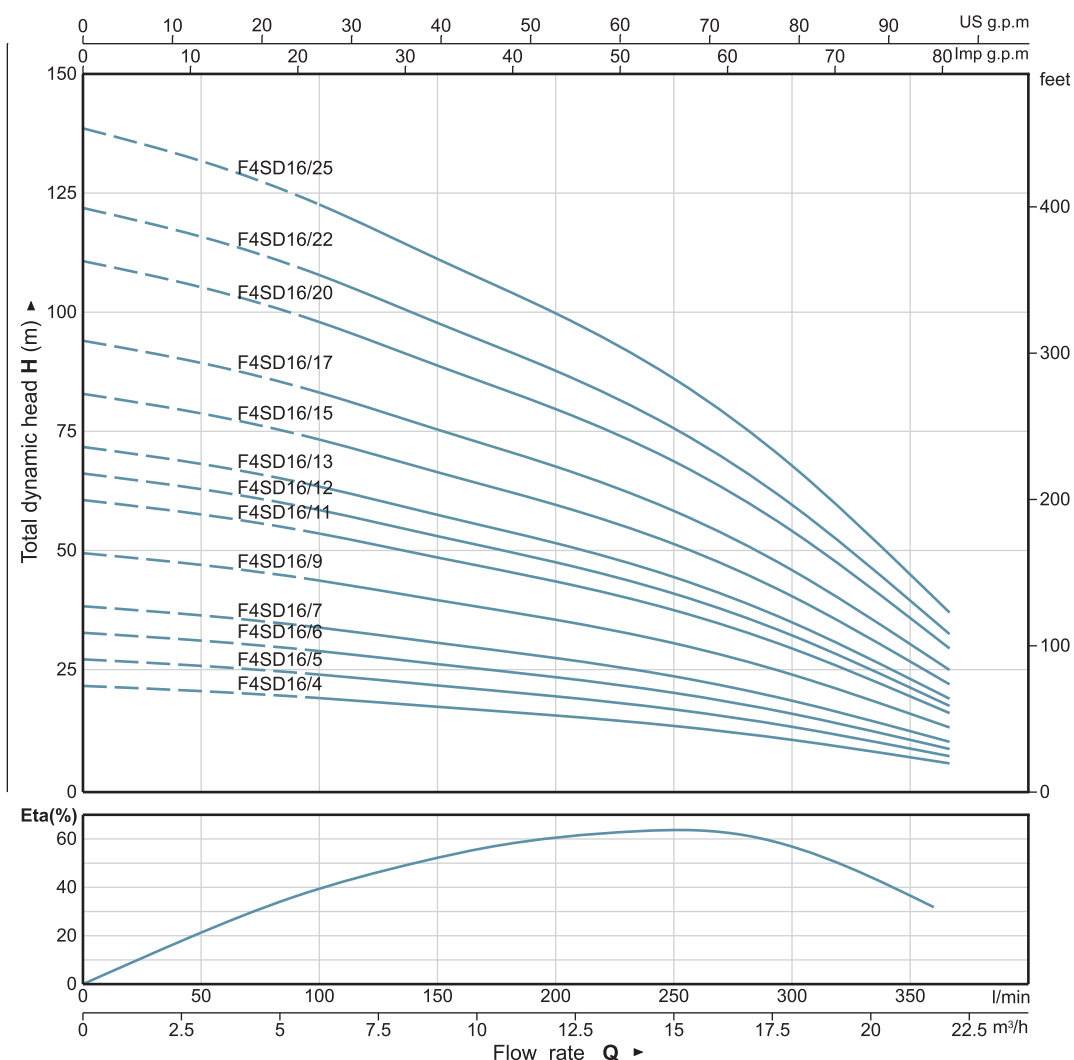
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② AISI 403 SS ③ Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4 SD M 16 / 4



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SDM16/4	F4SD16/4	1¼"/1½"/2"	520	398	378	918	898	4.9	10.7	9.5	15.6	14.4
F4SDM16/5	F4SD16/5	1¼"/1½"/2"	588	423	413	1011	1001	5.5	11.8	11.0	17.3	16.5
F4SDM16/6	F4SD16/6	1¼"/1½"/2"	656	448	413	1104	1069	6.0	12.9	11.0	18.9	17.0
F4SDM16/7	F4SD16/7	1¼"/1½"/2"	724	501	448	1225	1172	6.5	15.3	12.6	21.8	19.1
F4SDM16/9	F4SD16/9	1¼"/1½"/2"	860	541	501	1401	1361	7.6	17.4	15.2	25.0	22.8
-	F4SD16/11	1¼"/1½"/2"	1027	-	526	-	1553	8.6	-	16.4	-	25.0
-	F4SD16/12	1¼"/1½"/2"	1095	-	551	-	1646	9.2	-	17.7	-	26.9
-	F4SD16/13	1¼"/1½"/2"	1163	-	581	-	1744	9.7	-	19.2	-	28.9
-	F4SD16/15	1¼"/1½"/2"	1299	-	616	-	1915	10.8	-	20.9	-	31.7
-	F4SD16/17	1¼"/1½"/2"	1435	-	672	-	2107	11.8	-	22.9	-	34.7
-	F4SD16/20	1¼"/1½"/2"	1670	-	712	-	2382	13.4	-	24.9	-	38.3
-	F4SD16/22	1¼"/1½"/2"	1806	-	762	-	2568	14.5	-	27.4	-	41.9
-	F4SD16/25	1¼"/1½"/2"	2010	-	812	-	2822	16.1	-	29.9	-	46.0

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY								
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	n≈2850 1/min							
				$\frac{m^3}{h}$ l/min	0	3	6	9	12	15	18	21
					0	50	100	150	200	250	300	350
F4SDM16/4	F4SD16/4	1.1	1.5	H(m)	22	21	20	18	16	14	11	7
F4SDM16/5	F4SD16/5	1.5	2		28	26	25	22	20	17	14	9
F4SDM16/6	F4SD16/6	1.5	2		33	32	30	27	24	21	16	11
F4SDM16/7	F4SD16/7	2.2	3		39	37	34	31	28	24	19	13
F4SDM16/9	F4SD16/9	2.2	3		50	48	44	40	36	31	24	16
-	F4SD16/11	3	4		61	58	54	49	44	38	30	20
-	F4SD16/12	3	4		67	63	59	53	48	41	33	22
-	F4SD16/13	4	5.5		72	69	64	58	52	45	35	23
-	F4SD16/15	4	5.5		83	79	74	67	60	52	41	27
-	F4SD16/17	5.5	7.5		95	90	84	75	68	58	46	31
-	F4SD16/20	5.5	7.5		111	106	98	89	80	69	54	36
-	F4SD16/22	7.5	10		122	116	108	98	88	76	60	40
-	F4SD16/25	7.5	10		139	132	123	111	100	86	68	45



F4SS 2

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

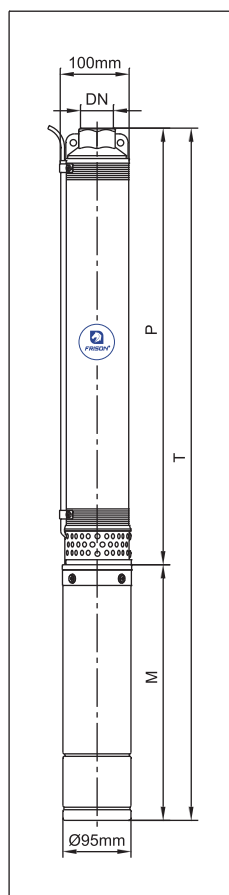
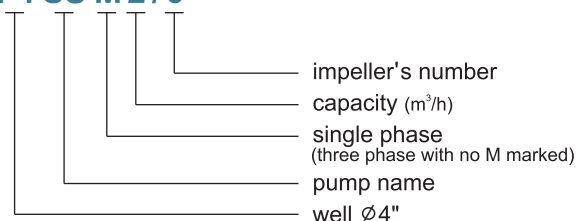
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

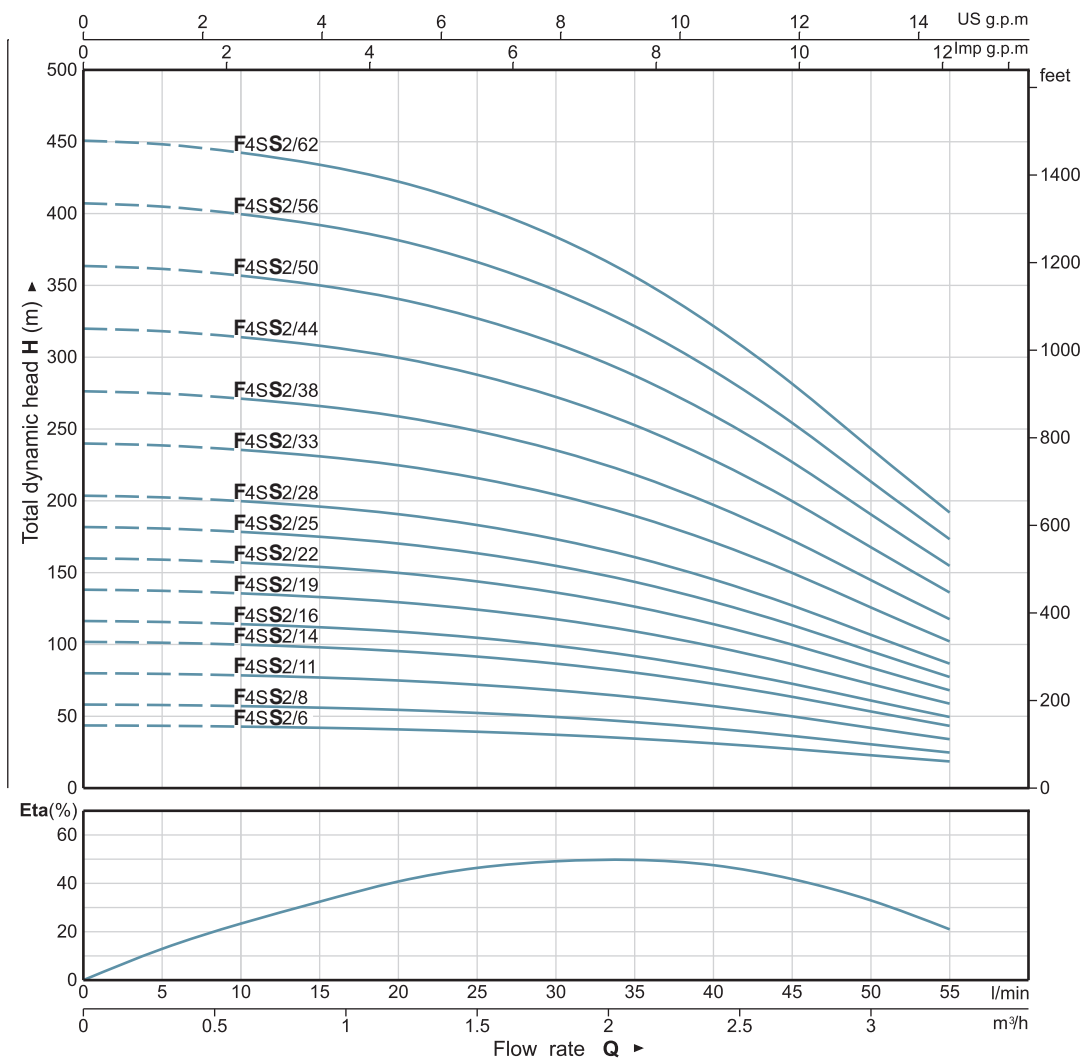
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SSM2/6



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SSM2/6	F4SS2/6	1"1¼"/1½"	378	298	298	676	676	3.0	6.2	5.9	9.2	8.9
F4SSM2/8	F4SS2/8	1"1¼"/1½"	428	313	313	741	741	3.5	6.9	6.6	10.4	10.1
F4SSM2/11	F4SS2/11	1"1¼"/1½"	503	328	328	831	831	4.3	7.6	7.2	11.9	11.5
F4SSM2/14	F4SS2/14	1"1¼"/1½"	577	343	343	920	920	5.0	8.2	7.9	13.2	12.9
F4SSM2/16	F4SS2/16	1"1¼"/1½"	627	358	343	985	970	5.5	8.9	7.9	14.4	13.4
F4SSM2/19	F4SS2/19	1"1¼"/1½"	702	378	378	1080	1080	6.2	9.8	9.5	16.0	15.7
F4SSM2/22	F4SS2/22	1"1¼"/1½"	777	398	378	1175	1155	7.0	10.7	9.5	17.7	16.5
F4SSM2/25	F4SS2/25	1"1¼"/1½"	852	423	413	1275	1265	7.7	11.8	11.0	19.5	18.7
F4SSM2/28	F4SS2/28	1"1¼"/1½"	958	448	413	1406	1371	8.4	12.9	11.0	21.3	19.4
F4SSM2/33	F4SS2/33	1"1¼"/1½"	1083	501	448	1584	1531	9.7	15.3	12.6	25.0	22.3
F4SSM2/38	F4SS2/38	1"1¼"/1½"	1208	541	501	1749	1709	10.9	17.4	15.2	28.3	26.1
-	F4SS2/44	1"1¼"/1½"	1357	-	526	-	1883	12.4	-	16.4	-	28.8
-	F4SS2/50	1"1¼"/1½"	1507	-	551	-	2058	13.9	-	17.7	-	31.6
-	F4SS2/56	1"1¼"/1½"	1688	-	581	-	2269	15.3	-	19.2	-	34.5
-	F4SS2/62	1"1¼"/1½"	1838	-	616	-	2454	16.8	-	20.9	-	37.7

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY															n≈2850 1/min	
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3			
						0	5	10	15	20	25	30	35	40	45	50	55			
F4SSM2/6	F4SS2/6	0.25	0.33	H _(m)		44	43	43	42	41	39	37	34	31	27	23	19			
F4SSM2/8	F4SS2/8	0.37	0.5			58	58	57	56	54	52	50	46	42	36	30	25			
F4SSM2/11	F4SS2/11	0.55	0.75			80	79	78	77	75	72	68	63	57	50	42	34			
F4SSM2/14	F4SS2/14	0.75	1			102	101	100	98	95	92	87	80	73	64	53	43			
F4SSM2/16	F4SS2/16	0.75	1			116	116	114	112	109	105	99	92	83	73	61	50			
F4SSM2/19	F4SS2/19	1.1	1.5			138	137	135	133	129	124	118	109	99	86	72	59			
F4SSM2/22	F4SS2/22	1.1	1.5			160	159	157	154	150	144	136	126	114	100	84	68			
F4SSM2/25	F4SS2/25	1.5	2			182	181	178	175	170	164	155	144	130	114	95	77			
F4SSM2/28	F4SS2/28	1.5	2			204	202	200	196	191	183	173	161	145	127	107	87			
F4SSM2/33	F4SS2/33	2.2	3			240	238	235	231	225	216	204	189	171	150	126	102			
F4SSM2/38	F4SS2/38	2.2	3			276	275	271	266	259	249	235	218	197	173	145	118			
-	F4SS2/44	3	4			320	318	314	308	299	288	273	253	229	200	167	136			
-	F4SS2/50	3	4			364	361	356	350	340	327	310	287	260	227	190	155			
-	F4SS2/56	4	5.5		407	405	399	392	381	367	347	322	291	255	213	173				
-	F4SS2/62	4	5.5		451	448	442	434	422	406	384	356	322	282	236	192				



F4SS 3

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

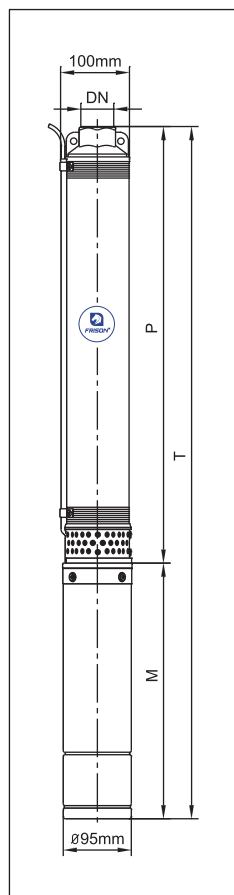
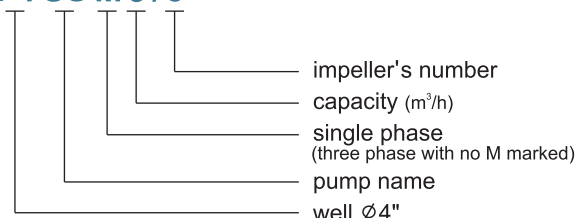
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

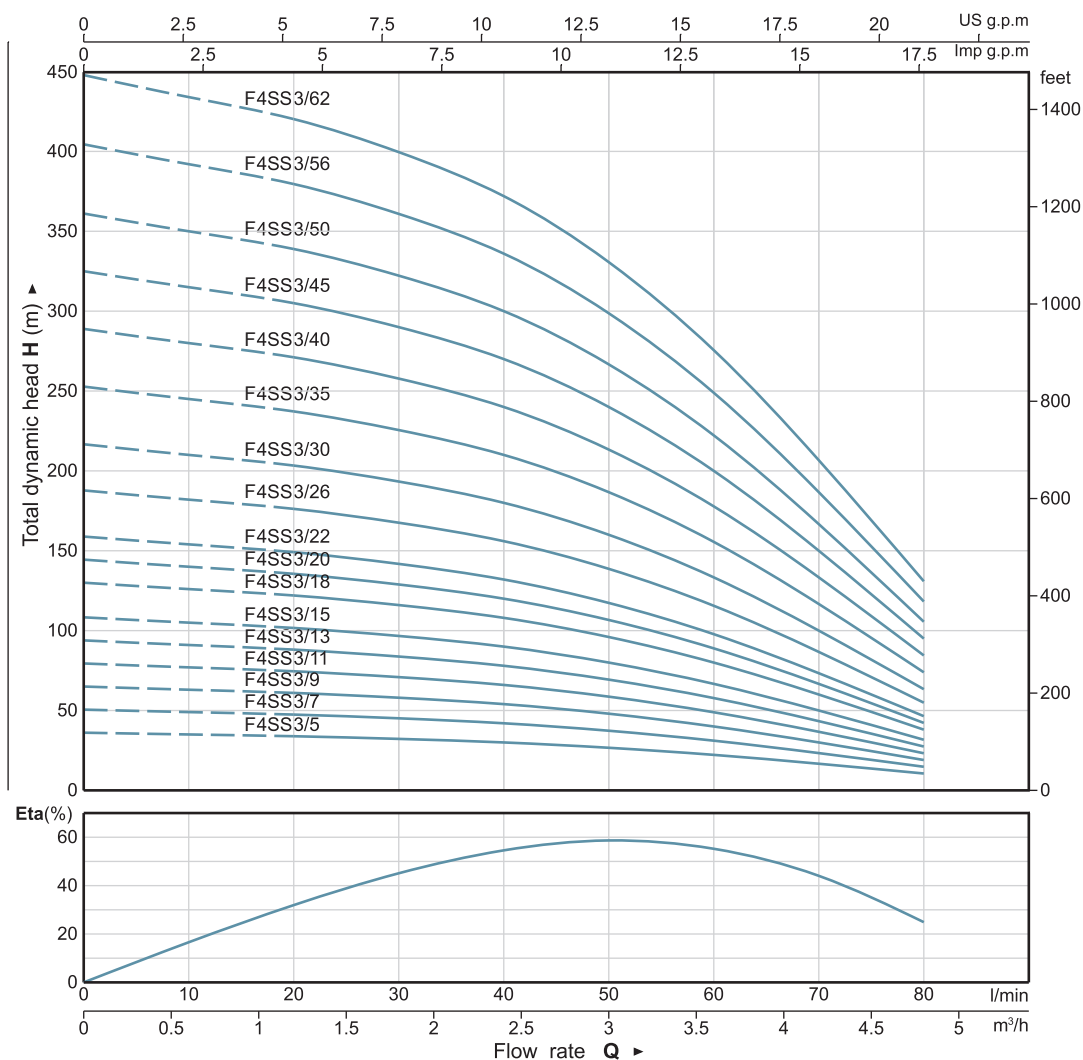
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SSM3/5



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SSM3/5	F4SS3/5	1¼"/1½"	363	298	298	661	661	3.0	6.2	5.9	9.2	8.9
F4SSM3/7	F4SS3/7	1¼"/1½"	417	313	313	730	730	3.5	6.9	6.6	10.4	10.1
F4SSM3/9	F4SS3/9	1¼"/1½"	471	328	328	799	799	4.1	7.6	7.2	11.7	11.3
F4SSM3/11	F4SS3/11	1¼"/1½"	525	343	343	868	868	4.6	8.2	7.9	12.8	12.5
F4SSM3/13	F4SS3/13	1¼"/1½"	578	358	343	936	921	5.1	8.9	7.9	14.0	13.0
F4SSM3/15	F4SS3/15	1¼"/1½"	632	378	378	1010	1010	5.6	9.8	9.5	15.4	15.1
F4SSM3/18	F4SS3/18	1¼"/1½"	713	398	378	1111	1091	6.4	10.7	9.5	17.1	15.9
F4SSM3/20	F4SS3/20	1¼"/1½"	767	423	413	1190	1180	6.9	11.8	11.0	18.7	17.9
F4SSM3/22	F4SS3/22	1¼"/1½"	821	448	413	1269	1234	7.4	12.9	11.0	20.3	18.4
F4SSM3/26	F4SS3/26	1¼"/1½"	960	501	448	1461	1408	8.5	15.3	12.6	23.8	21.1
F4SSM3/30	F4SS3/30	1¼"/1½"	1068	541	501	1609	1569	9.5	17.4	15.2	26.9	24.7
-	F4SS3/35	1¼"/1½"	1203	-	526	-	1729	10.8	-	16.4	-	27.2
-	F4SS3/40	1¼"/1½"	1338	-	551	-	1889	12.1	-	17.7	-	29.8
-	F4SS3/45	1¼"/1½"	1472	-	581	-	2053	13.4	-	19.2	-	32.6
-	F4SS3/50	1¼"/1½"	1639	-	616	-	2255	14.7	-	20.9	-	35.6
-	F4SS3/56	1¼"/1½"	1800	-	672	-	2472	16.2	-	22.9	-	39.1
-	F4SS3/62	1¼"/1½"	1962	-	712	-	2674	17.8	-	24.9	-	42.7

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY									
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	n=2850 1/min								
				$\frac{m^3}{h}$ l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8
					0	10	20	30	40	50	60	70	80
F4SSM3/5	F4SS3/5	0.25	0.33	H(m)	36	35	34	32	30	27	22	17	11
F4SSM3/7	F4SS3/7	0.37	0.5		51	49	47	45	42	37	31	23	15
F4SSM3/9	F4SS3/9	0.55	0.75		65	63	61	58	54	48	40	30	19
F4SSM3/11	F4SS3/11	0.75	1		80	77	74	71	66	59	49	37	23
F4SSM3/13	F4SS3/13	0.75	1		94	91	88	84	78	69	58	43	27
F4SSM3/15	F4SS3/15	1.1	1.5		108	105	102	97	90	80	67	50	32
F4SSM3/18	F4SS3/18	1.1	1.5		130	126	122	116	108	96	80	60	38
F4SSM3/20	F4SS3/20	1.5	2		145	140	135	129	120	107	89	67	42
F4SSM3/22	F4SS3/22	1.5	2		159	154	149	142	132	117	98	73	47
F4SSM3/26	F4SS3/26	2.2	3		188	182	176	168	156	139	116	87	55
F4SSM3/30	F4SS3/30	2.2	3		217	210	203	193	180	160	133	100	63
-	F4SS3/35	3	4		253	245	237	225	210	186	155	116	74
-	F4SS3/40	3	4		289	280	271	258	240	213	178	133	85
-	F4SS3/45	4	5.5		325	315	305	290	270	240	200	150	95
-	F4SS3/50	4	5.5		361	350	339	322	300	266	222	166	106
-	F4SS3/56	5.5	7.5		405	392	379	361	336	298	249	186	118
-	F4SS3/62	5.5	7.5		448	434	420	400	372	331	276	207	131



F4SS 4

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

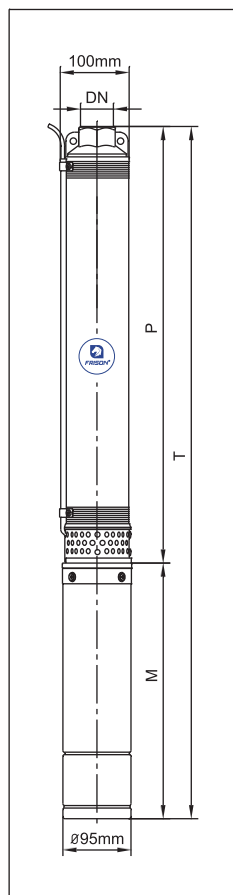
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).



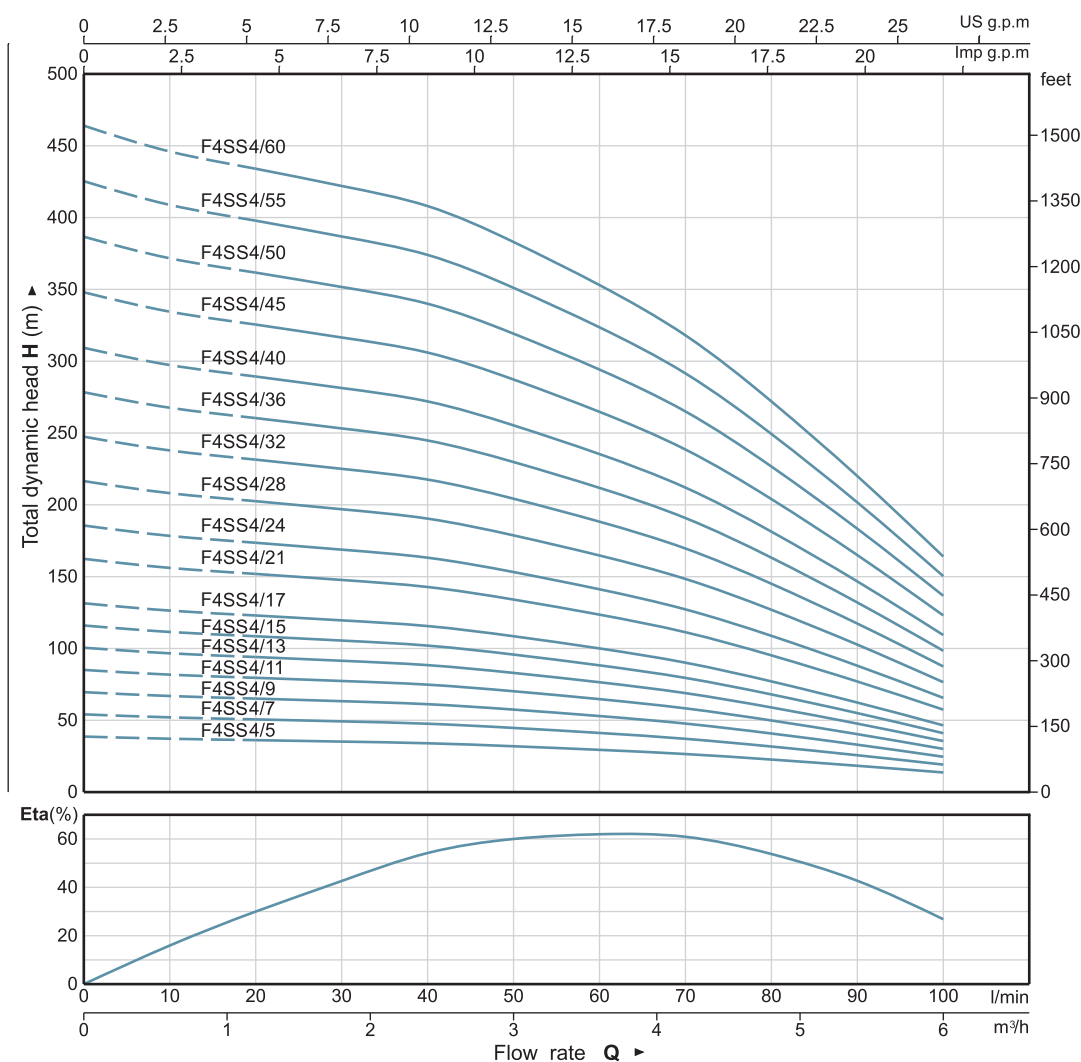
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4 SS M 4 / 5

impeller's number
capacity (m³/h)
single phase
(three phase with no M marked)
pump name
well Ø4"

MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SSM4/5	F4SS4/5	1¼"/1½"/2"	369	313	313	682	682	3.3	6.9	6.6	10.2	9.9
F4SSM4/7	F4SS4/7	1¼"/1½"/2"	426	328	328	754	754	3.8	7.6	7.2	11.4	11.0
F4SSM4/8	F4SS4/8	1¼"/1½"/2"	454	343	343	797	797	4.1	8.2	7.9	12.3	12.0
F4SSM4/9	F4SS4/9	1¼"/1½"/2"	482	358	343	840	825	4.4	8.9	7.9	13.3	12.3
F4SSM4/11	F4SS4/11	1¼"/1½"/2"	539	378	378	917	917	4.9	9.8	9.5	14.7	14.4
F4SSM4/13	F4SS4/13	1¼"/1½"/2"	595	398	378	993	973	5.4	10.7	9.5	16.1	14.9
F4SSM4/15	F4SS4/15	1¼"/1½"/2"	652	423	413	1075	1065	6.0	11.8	11.0	17.8	17.0
F4SSM4/17	F4SS4/17	1¼"/1½"/2"	708	448	413	1156	1121	6.5	12.9	11.0	19.4	17.5
F4SSM4/21	F4SS4/21	1¼"/1½"/2"	821	501	448	1322	1269	7.6	15.3	12.6	22.9	20.2
F4SSM4/24	F4SS4/24	1¼"/1½"/2"	938	541	501	1479	1439	8.4	17.4	15.2	25.8	23.6
-	F4SS4/28	1¼"/1½"/2"	1051	-	526	-	1577	9.5	-	16.4	-	25.9
-	F4SS4/32	1¼"/1½"/2"	1164	-	551	-	1715	10.6	-	17.7	-	28.3
-	F4SS4/36	1¼"/1½"/2"	1277	-	581	-	1858	11.7	-	19.2	-	30.9
-	F4SS4/40	1¼"/1½"/2"	1390	-	616	-	2006	12.8	-	20.9	-	33.7
-	F4SS4/45	1¼"/1½"/2"	1531	-	672	-	2203	14.1	-	22.9	-	37.0
-	F4SS4/50	1¼"/1½"/2"	1704	-	712	-	2416	15.5	-	24.9	-	40.4
-	F4SS4/55	1¼"/1½"/2"	1845	-	762	-	2607	16.8	-	27.4	-	44.2
-	F4SS4/60	1¼"/1½"/2"	1986	-	812	-	2798	18.2	-	29.9	-	48.1

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY														n≈2850 1/min					
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0							
					l/min	0	10	20	30	40	50	60	70	80	90	100							
F4SSM4/5	F4SS4/5	0.37	0.5	H(m)		39	37	36	35	34	32	29	26	23	18	14							
F4SSM4/7	F4SS4/7	0.55	0.75			54	52	51	49	48	45	41	37	32	26	19							
F4SSM4/8	F4SS4/8	0.75	1			62	59	58	56	54	51	47	42	36	29	22							
F4SSM4/9	F4SS4/9	0.75	1			70	67	65	63	61	57	53	48	41	33	25							
F4SSM4/11	F4SS4/11	1.1	1.5			85	82	80	77	75	70	65	58	50	40	30							
F4SSM4/13	F4SS4/13	1.1	1.5			101	97	94	91	88	83	76	69	59	48	36							
F4SSM4/15	F4SS4/15	1.5	2			116	111	108	105	102	96	88	79	68	55	41							
F4SSM4/17	F4SS4/17	1.5	2			131	126	123	120	116	109	100	90	77	62	46							
F4SSM4/21	F4SS4/21	2.2	3			162	156	152	148	143	134	124	111	95	77	57							
F4SSM4/24	F4SS4/24	2.2	3			186	178	174	169	163	153	141	127	109	88	66							
-	F4SS4/28	3	4			217	208	203	197	190	179	165	148	127	103	77							
-	F4SS4/32	3	4			247	238	231	225	218	204	188	170	145	117	87							
-	F4SS4/36	4	5.5			278	268	260	253	245	230	212	191	163	132	98							
-	F4SS4/40	4	5.5			309	297	289	281	272	255	235	212	181	147	109							
-	F4SS4/45	5.5	7.5			348	335	326	317	306	287	265	239	204	165	123							
-	F4SS4/50	5.5	7.5			387	372	362	352	340	319	294	265	227	183	137							
-	F4SS4/55	7.5	10			425	409	398	387	374	351	324	291	249	202	150							
-	F4SS4/60	7.5	10			464	446	434	422	408	383	353	318	272	220	164							



F4SS 6

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

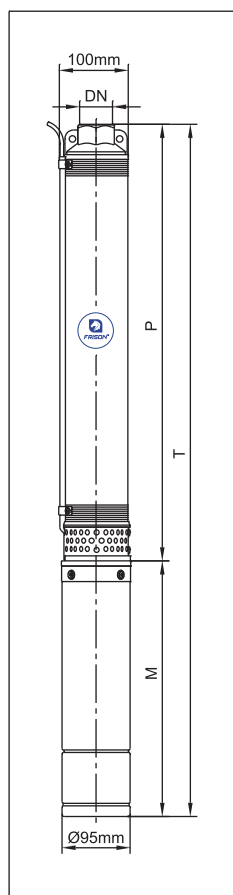
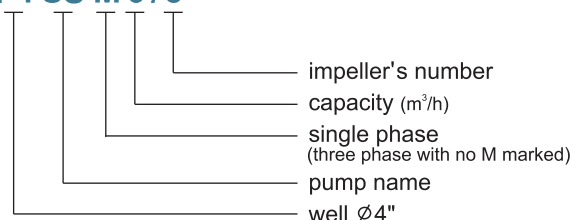
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

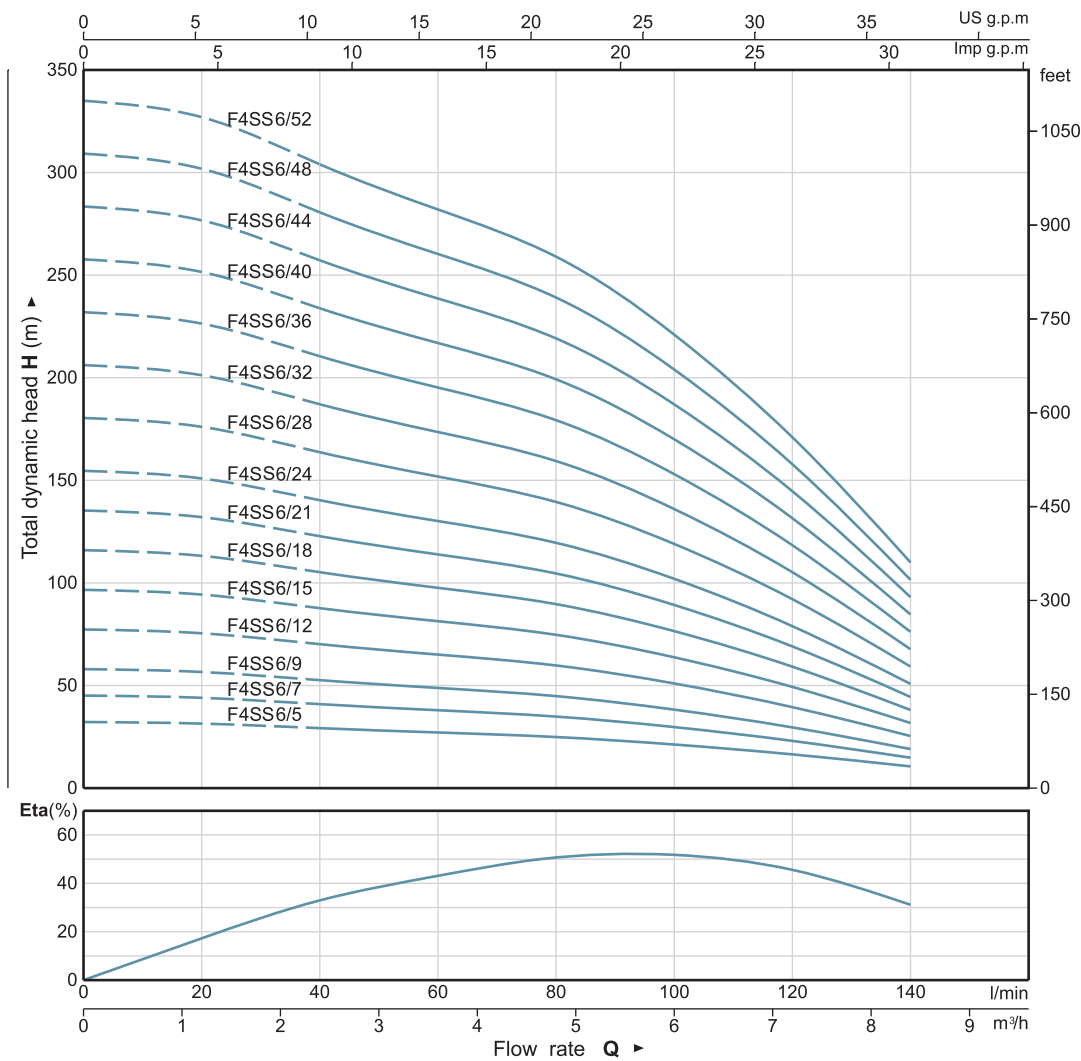
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	① AISI 316 SS ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② AISI 403 SS ③ Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SSM6/5



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SSM6/5	F4SS6/5	1¼"/1½"/2"	413	313	313	726	726	3.5	6.9	6.6	10.4	10.1
F4SSM6/7	F4SS6/7	1¼"/1½"/2"	479	328	328	807	807	4.1	7.6	7.2	11.7	11.3
F4SSM6/8	F4SS6/8	1¼"/1½"/2"	512	343	343	855	855	4.4	8.2	7.9	12.6	12.3
F4SSM6/9	F4SS6/9	1¼"/1½"/2"	545	358	343	903	888	4.7	8.9	7.9	13.6	12.6
F4SSM6/10	F4SS6/10	1¼"/1½"/2"	578	378	378	956	956	4.9	9.8	9.5	14.7	14.4
F4SSM6/12	F4SS6/12	1¼"/1½"/2"	644	398	378	1042	1022	5.5	10.7	9.5	16.2	15.0
F4SSM6/13	F4SS6/13	1¼"/1½"/2"	676	423	413	1099	1089	5.8	11.8	11.0	17.6	16.8
F4SSM6/15	F4SS6/15	1¼"/1½"/2"	742	448	413	1190	1155	6.4	12.9	11.0	19.3	17.4
F4SSM6/18	F4SS6/18	1¼"/1½"/2"	841	501	448	1342	1289	7.2	15.3	12.6	22.5	19.8
F4SSM6/21	F4SS6/21	1¼"/1½"/2"	972	541	501	1513	1473	8.1	17.4	15.2	25.5	23.3
-	F4SS6/24	1¼"/1½"/2"	1070	-	526	-	1596	8.9	-	16.4	-	25.3
-	F4SS6/28	1¼"/1½"/2"	1202	-	551	-	1753	10.1	-	17.7	-	27.8
-	F4SS6/32	1¼"/1½"/2"	1334	-	581	-	1915	11.2	-	19.2	-	30.4
-	F4SS6/36	1¼"/1½"/2"	1466	-	616	-	2082	12.3	-	20.9	-	33.2
-	F4SS6/40	1¼"/1½"/2"	1629	-	672	-	2301	13.5	-	22.9	-	36.4
-	F4SS6/44	1¼"/1½"/2"	1761	-	712	-	2473	14.6	-	24.9	-	39.5
-	F4SS6/48	1¼"/1½"/2"	1893	-	762	-	2655	15.7	-	27.4	-	43.1
-	F4SS6/52	1¼"/1½"/2"	2025	-	812	-	2837	16.9	-	29.9	-	46.8

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY									
				n≈2850 1/min									
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
				l/min	0	20	40	60	80	100	120	140	
F4SSM6/5	F4SS6/5	0.37	0.5	H(m)	32	31	29	27	25	21	16	11	
F4SSM6/7	F4SS6/7	0.55	0.75		45	44	41	38	35	30	23	15	
F4SSM6/8	F4SS6/8	0.75	1		52	50	47	43	40	34	26	17	
F4SSM6/9	F4SS6/9	0.75	1		58	57	53	49	45	38	30	19	
F4SSM6/10	F4SS6/10	1.1	1.5		64	63	58	54	50	42	33	21	
F4SSM6/12	F4SS6/12	1.1	1.5		77	75	70	65	60	51	39	25	
F4SSM6/13	F4SS6/13	1.5	2		84	82	76	70	65	55	43	27	
F4SSM6/15	F4SS6/15	1.5	2		97	94	88	81	75	64	49	32	
F4SSM6/18	F4SS6/18	2.2	3		116	113	105	98	90	76	59	38	
F4SSM6/21	F4SS6/21	2.2	3		135	132	123	114	105	89	69	44	
-	F4SS6/24	3	4		155	151	140	130	120	102	79	51	
-	F4SS6/28	3	4		180	176	164	152	139	119	92	59	
-	F4SS6/32	4	5.5		206	201	187	174	159	136	105	68	
-	F4SS6/36	4	5.5		232	226	210	195	179	153	118	76	
-	F4SS6/40	5.5	7.5		258	252	234	217	199	170	132	85	
-	F4SS6/44	5.5	7.5		283	277	257	239	219	187	145	93	
-	F4SS6/48	7.5	10		309	302	281	260	239	204	158	102	
-	F4SS6/52	7.5	10		335	327	304	282	259	221	171	110	



F4SS 8

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion :80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor

Three-phase: 380V - 415V /50Hz

Single-phase: 220V - 240V /50Hz

Equip with start control box or digital auto-control box

Pumps are designed by casing stressed

NEMA dimension standards

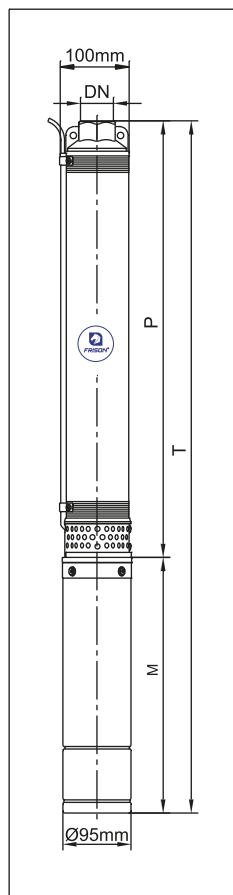
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

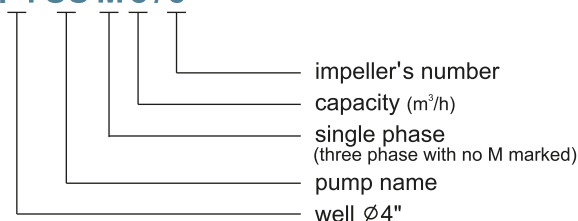
Warranty: 1 year

(according to our general sales conditions).



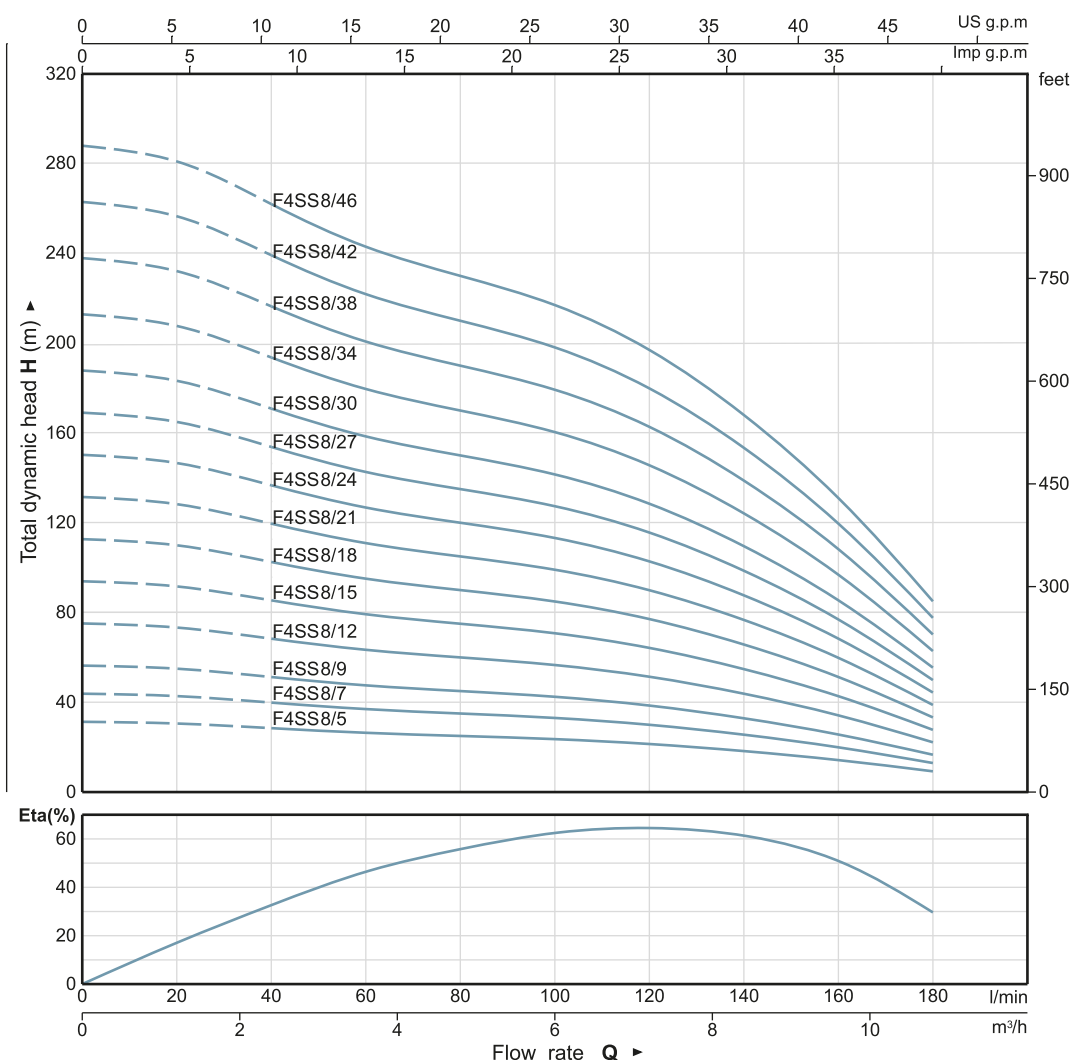
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② AISI 403 SS ③ Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SSM8/5



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
F4SSM8/5	F4SS8/5	1¼"/1½"/2"	439	328	328	767	767	3.8	7.6	7.2	11.4	11.0
F4SSM8/6	F4SS8/6	1¼"/1½"/2"	477	343	343	820	820	4.1	8.2	7.9	12.3	12.0
F4SSM8/7	F4SS8/7	1¼"/1½"/2"	515	358	343	873	858	4.4	8.9	7.9	13.3	12.3
F4SSM8/8	F4SS8/8	1¼"/1½"/2"	553	378	378	931	931	4.6	9.8	9.5	14.4	14.1
F4SSM8/9	F4SS8/9	1¼"/1½"/2"	591	398	378	989	969	4.9	10.7	9.5	15.6	14.4
F4SSM8/10	F4SS8/10	1¼"/1½"/2"	630	423	413	1053	1043	5.2	11.8	11.0	17.0	16.2
F4SSM8/12	F4SS8/12	1¼"/1½"/2"	706	448	413	1154	1119	5.8	12.9	11.0	18.7	16.8
F4SSM8/15	F4SS8/15	1¼"/1½"/2"	820	501	448	1321	1268	6.7	15.3	12.6	22.0	19.3
F4SSM8/18	F4SS8/18	1¼"/1½"/2"	966	541	501	1507	1467	7.6	17.4	15.2	25.0	22.8
-	F4SS8/21	1¼"/1½"/2"	1081	-	526	-	1607	8.5	-	16.4	-	24.9
-	F4SS8/24	1¼"/1½"/2"	1195	-	551	-	1746	9.4	-	17.7	-	27.1
-	F4SS8/27	1¼"/1½"/2"	1310	-	581	-	1891	10.3	-	19.2	-	29.5
-	F4SS8/30	1¼"/1½"/2"	1424	-	616	-	2040	11.2	-	20.9	-	32.1
-	F4SS8/34	1¼"/1½"/2"	1577	-	672	-	2249	12.3	-	22.9	-	35.2
-	F4SS8/38	1¼"/1½"/2"	1761	-	712	-	2473	13.5	-	24.9	-	38.4
-	F4SS8/42	1¼"/1½"/2"	1913	-	762	-	2675	14.7	-	27.4	-	42.1
-	F4SS8/46	1¼"/1½"/2"	2066	-	812	-	2878	15.9	-	29.9	-	45.8

• In the list: M(s) is single phase motor, M(T) is three phase motor.
• In the list: T(s) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min											
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8
					l/min	0	20	40	60	80	100	120	140	160	180
F4SSM8/5	F4SS8/5	0.55	0.75	H(m)	31	31	28	26	25	24	21	18	14	9	
F4SSM8/6	F4SS8/6	0.75	1		38	37	34	32	30	28	26	22	17	11	
F4SSM8/7	F4SS8/7	0.75	1		44	43	40	37	35	33	30	26	20	13	
F4SSM8/8	F4SS8/8	1.1	1.5		50	49	46	42	40	38	34	29	23	15	
F4SSM8/9	F4SS8/9	1.1	1.5		56	55	51	48	45	42	39	33	26	17	
F4SSM8/10	F4SS8/10	1.5	2		63	61	57	53	50	47	43	37	28	18	
F4SSM8/12	F4SS8/12	1.5	2		75	73	68	63	60	57	51	44	34	22	
F4SSM8/15	F4SS8/15	2.2	3		94	92	85	79	75	71	64	55	43	28	
F4SSM8/18	F4SS8/18	2.2	3		113	110	103	95	90	85	77	66	51	33	
-	F4SS8/21	3	4		131	128	120	111	105	99	90	77	60	39	
-	F4SS8/24	3	4		150	147	137	127	120	113	103	88	68	44	
-	F4SS8/27	4	5.5		169	165	154	143	135	127	116	99	77	50	
-	F4SS8/30	4	5.5		188	183	171	158	150	142	128	110	85	55	
-	F4SS8/34	5.5	7.5		213	208	194	180	170	160	146	124	97	63	
-	F4SS8/38	5.5	7.5		238	232	216	201	190	179	163	139	108	70	
-	F4SS8/42	7.5	10		263	257	239	222	210	198	180	153	120	78	
-	F4SS8/46	7.5	10		288	281	262	243	230	217	197	168	131	85	



F4SS 10

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

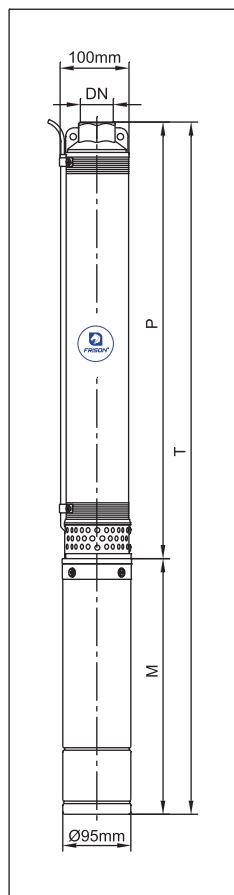
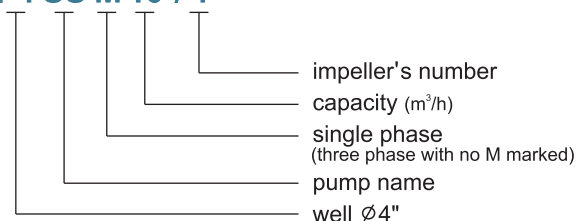
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

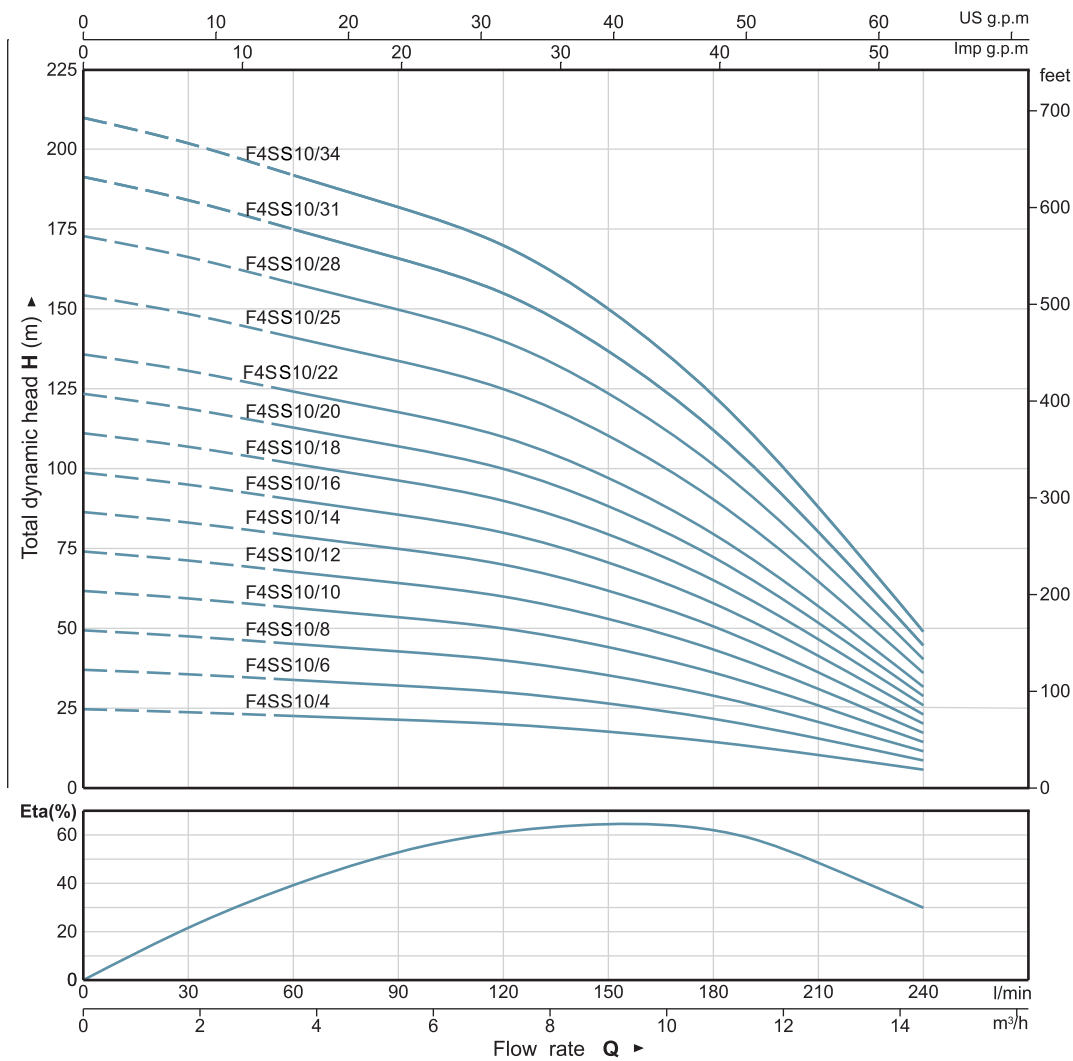
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② AISI 403 SS ③ Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SSM10/4



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SSM10/4	F4SS10/4	1¼"/1½"/2"	401	252	252	653	653	3.5	8.2	7.9	11.7	11.4
F4SSM10/5	F4SS10/5	1¼"/1½"/2"	439	358	252	797	691	3.8	8.9	7.9	12.7	11.7
F4SSM10/6	F4SS10/6	1¼"/1½"/2"	477	378	378	855	855	4.1	9.8	9.5	13.9	13.6
F4SSM10/7	F4SS10/7	1¼"/1½"/2"	515	398	378	913	893	4.4	10.7	9.5	15.1	13.9
F4SSM10/8	F4SS10/8	1¼"/1½"/2"	553	423	413	976	966	4.6	11.8	11.0	16.4	15.6
F4SSM10/10	F4SS10/10	1¼"/1½"/2"	630	448	413	1078	1043	5.2	12.9	11.0	18.1	16.2
F4SSM10/12	F4SS10/12	1¼"/1½"/2"	706	501	448	1207	1154	5.8	15.3	12.6	21.1	18.4
F4SSM10/14	F4SS10/14	1¼"/1½"/2"	782	541	501	1323	1283	6.4	17.4	15.2	23.8	21.6
-	F4SS10/16	1¼"/1½"/2"	859	-	526	-	1385	7.0	-	16.4	-	23.4
-	F4SS10/18	1¼"/1½"/2"	966	-	551	-	1517	7.6	-	17.7	-	25.3
-	F4SS10/20	1¼"/1½"/2"	1043	-	581	-	1624	8.2	-	19.2	-	27.4
-	F4SS10/22	1¼"/1½"/2"	1119	-	616	-	1735	8.8	-	20.9	-	29.7
-	F4SS10/25	1¼"/1½"/2"	1233	-	672	-	1905	9.7	-	22.9	-	32.6
-	F4SS10/28	1¼"/1½"/2"	1348	-	712	-	2060	10.6	-	24.9	-	35.5
-	F4SS10/31	1¼"/1½"/2"	1462	-	762	-	2224	11.5	-	27.4	-	38.9
-	F4SS10/34	1¼"/1½"/2"	1577	-	812	-	2389	12.3	-	29.9	-	42.2

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY									
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	n≈2850 1/min								
				m^3/h l/min	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4
					0	30	60	90	120	150	180	210	240
F4SSM10/4	F4SS10/4	0.75	1	H(m)	25	24	23	21	20	18	14	10	6
F4SSM10/5	F4SS10/5	0.75	1		31	30	28	27	25	22	18	13	7
F4SSM10/6	F4SS10/6	1.1	1.5		37	36	34	32	30	26	22	16	9
F4SSM10/7	F4SS10/7	1.1	1.5		43	42	40	37	35	31	25	18	10
F4SSM10/8	F4SS10/8	1.5	2		49	48	45	43	40	35	29	21	12
F4SSM10/10	F4SS10/10	1.5	2		62	59	56	54	50	44	36	26	14
F4SSM10/12	F4SS10/12	2.2	3		74	71	68	64	60	53	43	31	17
F4SSM10/14	F4SS10/14	2.2	3		86	83	79	75	70	62	51	36	20
-	F4SS10/16	3	4		99	95	90	86	80	71	58	41	23
-	F4SS10/18	3	4		111	107	102	96	90	79	65	47	26
-	F4SS10/20	4	5.5		124	119	113	107	100	88	72	52	29
-	F4SS10/22	4	5.5		136	131	124	118	110	97	80	57	32
-	F4SS10/25	5.5	7.5		154	149	141	134	125	110	90	65	36
-	F4SS10/28	5.5	7.5		173	166	158	150	140	124	101	72	40
-	F4SS10/31	7.5	10		191	184	175	166	155	137	112	80	45
-	F4SS10/34	7.5	10		210	202	192	182	170	150	123	88	49



F4SS 12

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

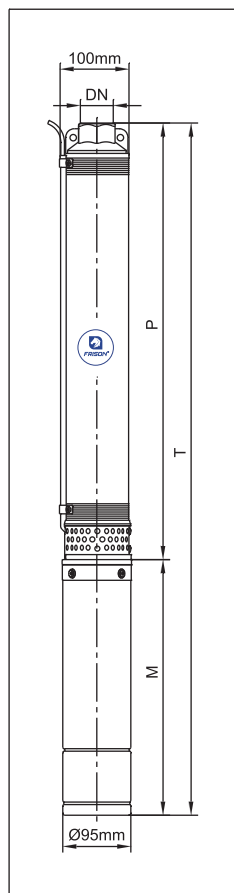
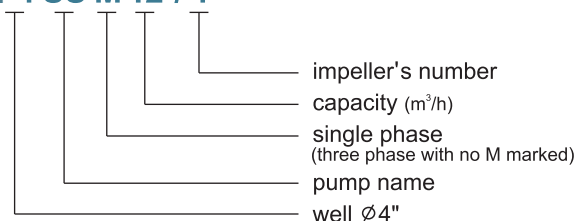
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

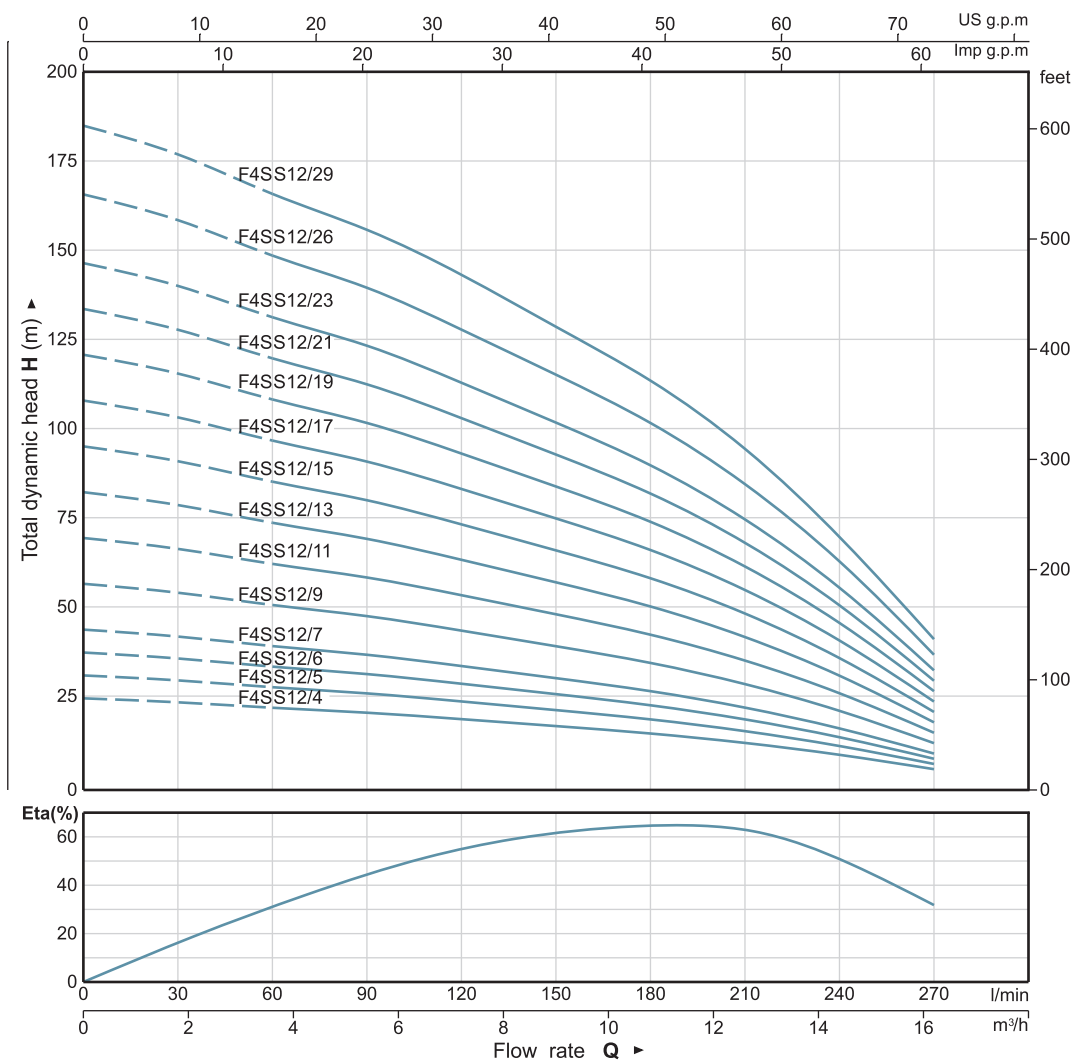
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	① AISI 316 SS ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② AISI 403 SS ③ Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SSM12/4



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SSM12/4	F4SS12/4	1¼"/1½"/2"	443	378	378	821	821	4.3	9.8	9.5	14.1	13.8
F4SSM12/5	F4SS12/5	1¼"/1½"/2"	491	398	378	889	869	4.7	10.7	9.5	15.4	14.2
F4SSM12/6	F4SS12/6	1¼"/1½"/2"	540	423	413	963	953	5.1	11.8	11.0	16.9	16.1
F4SSM12/7	F4SS12/7	1¼"/1½"/2"	589	448	413	1037	1002	5.5	12.9	11.0	18.4	16.5
F4SSM12/9	F4SS12/9	1¼"/1½"/2"	686	501	448	1187	1134	6.2	15.3	12.6	21.5	18.8
F4SSM12/11	F4SS12/11	1¼"/1½"/2"	783	541	501	1324	1284	7.0	17.4	15.2	24.4	22.2
-	F4SS12/13	1¼"/1½"/2"	881	-	526	-	1407	7.7	-	16.4	-	24.1
-	F4SS12/15	1¼"/1½"/2"	1009	-	551	-	1560	8.5	-	17.7	-	26.2
-	F4SS12/17	1¼"/1½"/2"	1107	-	581	-	1688	9.3	-	19.2	-	28.5
-	F4SS12/19	1¼"/1½"/2"	1204	-	616	-	1820	10.0	-	20.9	-	30.9
-	F4SS12/21	1¼"/1½"/2"	1301	-	672	-	1973	10.8	-	22.9	-	33.7
-	F4SS12/23	1¼"/1½"/2"	1399	-	712	-	2111	11.5	-	24.9	-	36.4
-	F4SS12/26	1¼"/1½"/2"	1545	-	762	-	2307	12.7	-	27.4	-	40.1
-	F4SS12/29	1¼"/1½"/2"	1722	-	812	-	2534	13.8	-	29.9	-	43.7

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY														n≈2850 1/min	
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2				
					l/min	0	30	60	90	120	150	180	210	240	270				
F4SDM12/4	F4SD12/4	1.1	1.5	H(m)		26	24	23	22	20	18	16	13	10	6				
F4SDM12/5	F4SD12/5	1.1	1.5			32	31	29	27	25	22	20	16	12	7				
F4SDM12/6	F4SD12/6	1.5	2			38	37	34	32	30	27	24	20	15	9				
F4SDM12/7	F4SD12/7	1.5	2			45	43	40	38	35	31	28	23	17	10				
F4SDM12/9	F4SD12/9	2.2	3			57	55	52	48	45	40	35	29	22	13				
F4SDM12/11	F4SD12/11	2.2	3			70	67	63	59	55	49	43	36	27	16				
-	F4SD12/13	3	4			83	79	74	70	65	58	51	43	32	19				
-	F4SD12/15	3	4			96	92	86	81	74	67	59	49	37	22				
-	F4SD12/17	4	5.5			108	104	97	91	84	76	67	56	42	25				
-	F4SD12/19	4	5.5			121	116	109	102	94	85	75	62	47	28				
-	F4SD12/21	5.5	7.5			134	128	120	113	104	93	83	69	51	30				
-	F4SD12/23	5.5	7.5			147	140	132	124	114	102	90	75	56	33				
-	F4SD12/26	7.5	10			166	159	149	140	129	116	102	85	64	38				
-	F4SD12/29	7.5	10			185	177	166	156	144	129	114	95	71	42				



F4SS 16

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

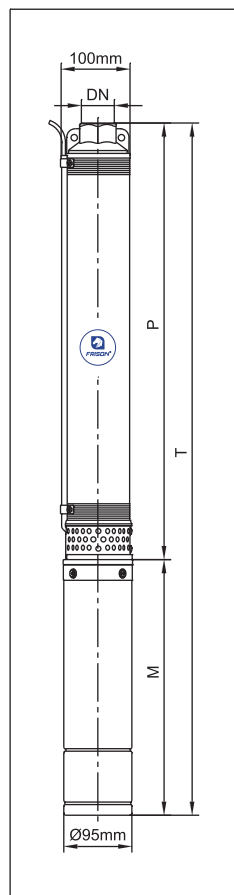
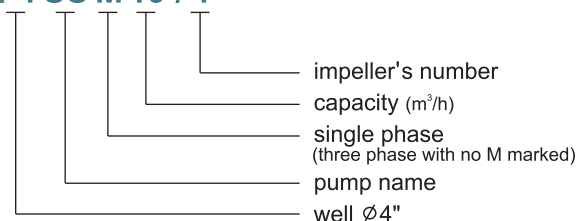
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

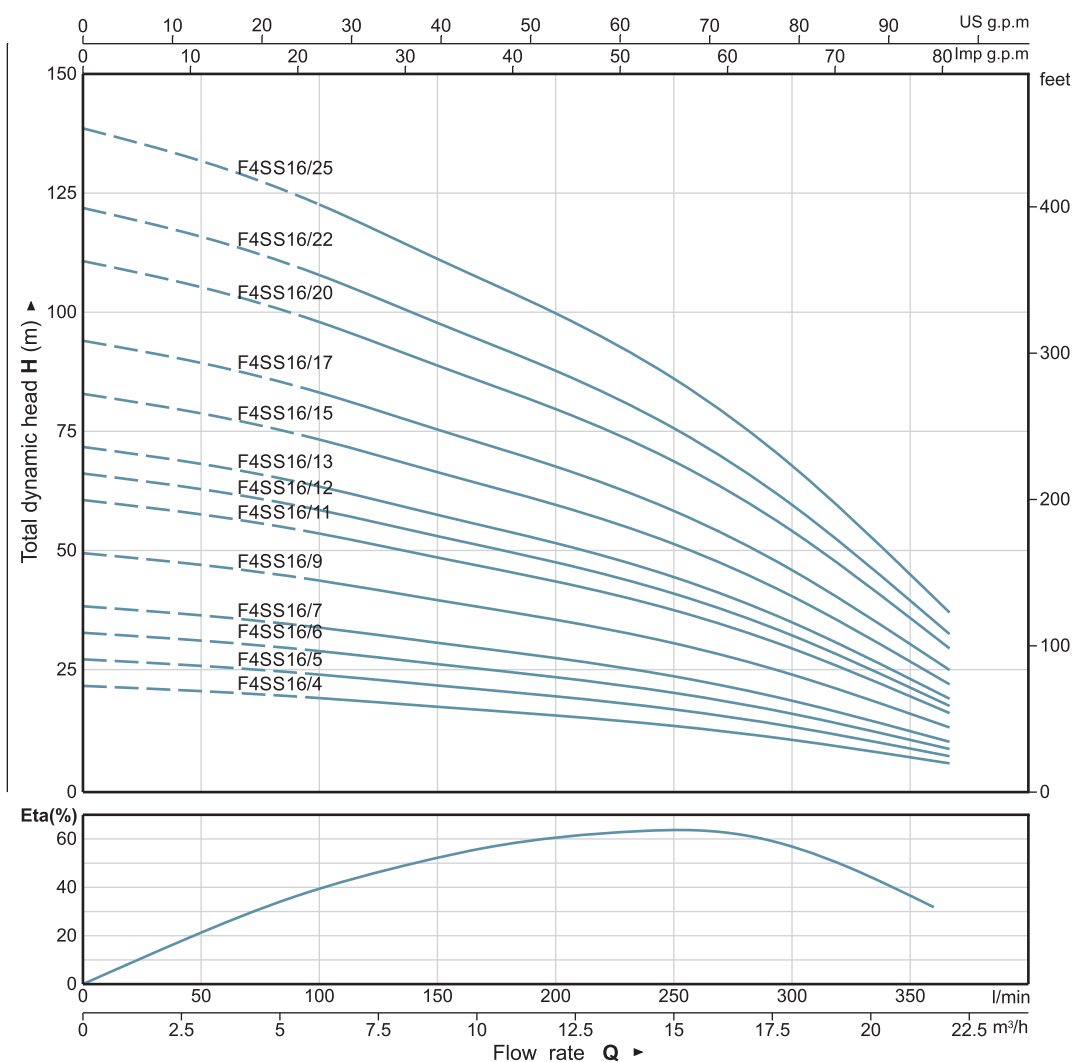
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500 ② AISI 403 SS ③ Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SSM16/4



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SSM16/4	F4SS16/4	1¼"/1½"/2"	520	398	378	918	898	4.9	10.7	9.5	15.6	14.4
F4SSM16/5	F4SS16/5	1¼"/1½"/2"	588	423	413	1011	1001	5.5	11.8	11.0	17.3	16.5
F4SSM16/6	F4SS16/6	1¼"/1½"/2"	656	448	413	1104	1069	6.0	12.9	11.0	18.9	17.0
F4SSM16/7	F4SS16/7	1¼"/1½"/2"	724	501	448	1225	1172	6.5	15.3	12.6	21.8	19.1
F4SSM16/9	F4SS16/9	1¼"/1½"/2"	860	541	501	1401	1361	7.6	17.4	15.2	25.0	22.8
-	F4SS16/11	1¼"/1½"/2"	1027	-	526	-	1553	8.6	-	16.4	-	25.0
-	F4SS16/12	1¼"/1½"/2"	1095	-	551	-	1646	9.2	-	17.7	-	26.9
-	F4SS16/13	1¼"/1½"/2"	1163	-	581	-	1744	9.7	-	19.2	-	28.9
-	F4SS16/15	1¼"/1½"/2"	1299	-	616	-	1915	10.8	-	20.9	-	31.7
-	F4SS16/17	1¼"/1½"/2"	1435	-	672	-	2107	11.8	-	22.9	-	34.7
-	F4SS16/20	1¼"/1½"/2"	1670	-	712	-	2382	13.4	-	24.9	-	38.3
-	F4SS16/22	1¼"/1½"/2"	1806	-	762	-	2568	14.5	-	27.4	-	41.9
-	F4SS16/25	1¼"/1½"/2"	2010	-	812	-	2822	16.1	-	29.9	-	46.0

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY								
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	n≈2850 1/min							
				$\frac{m^3/h}{l/min}$	0	3	6	9	12	15	18	21
					0	50	100	150	200	250	300	350
F4SSM16/4	F4SS16/4	1.1	1.5	H(m)	22	21	20	18	16	14	11	7
F4SSM16/5	F4SS16/5	1.5	2		28	26	25	22	20	17	14	9
F4SSM16/6	F4SS16/6	1.5	2		33	32	30	27	24	21	16	11
F4SSM16/7	F4SS16/7	2.2	3		39	37	34	31	28	24	19	13
F4SSM16/9	F4SS16/9	2.2	3		50	48	44	40	36	31	24	16
-	F4SS16/11	3	4		61	58	54	49	44	38	30	20
-	F4SS16/12	3	4		67	63	59	53	48	41	33	22
-	F4SS16/13	4	5.5		72	69	64	58	52	45	35	23
-	F4SS16/15	4	5.5		83	79	74	67	60	52	41	27
-	F4SS16/17	5.5	7.5		95	90	84	75	68	58	46	31
-	F4SS16/20	5.5	7.5		111	106	98	89	80	69	54	36
-	F4SS16/22	7.5	10		122	116	108	98	88	76	60	40
-	F4SS16/25	7.5	10		139	132	123	111	100	86	68	45



F4SA 3

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

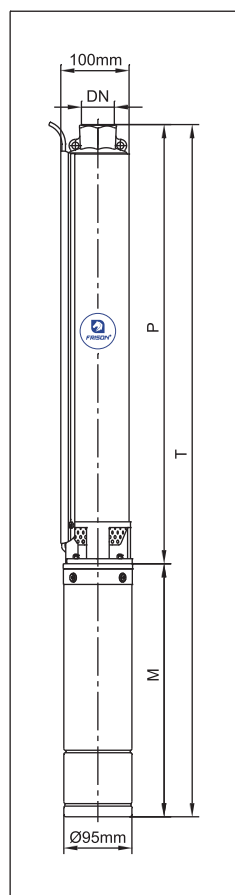
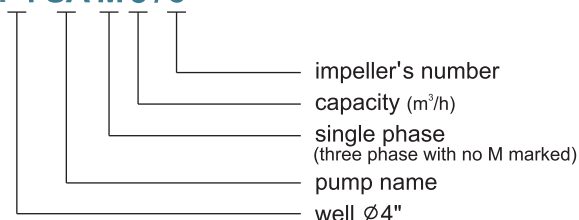
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

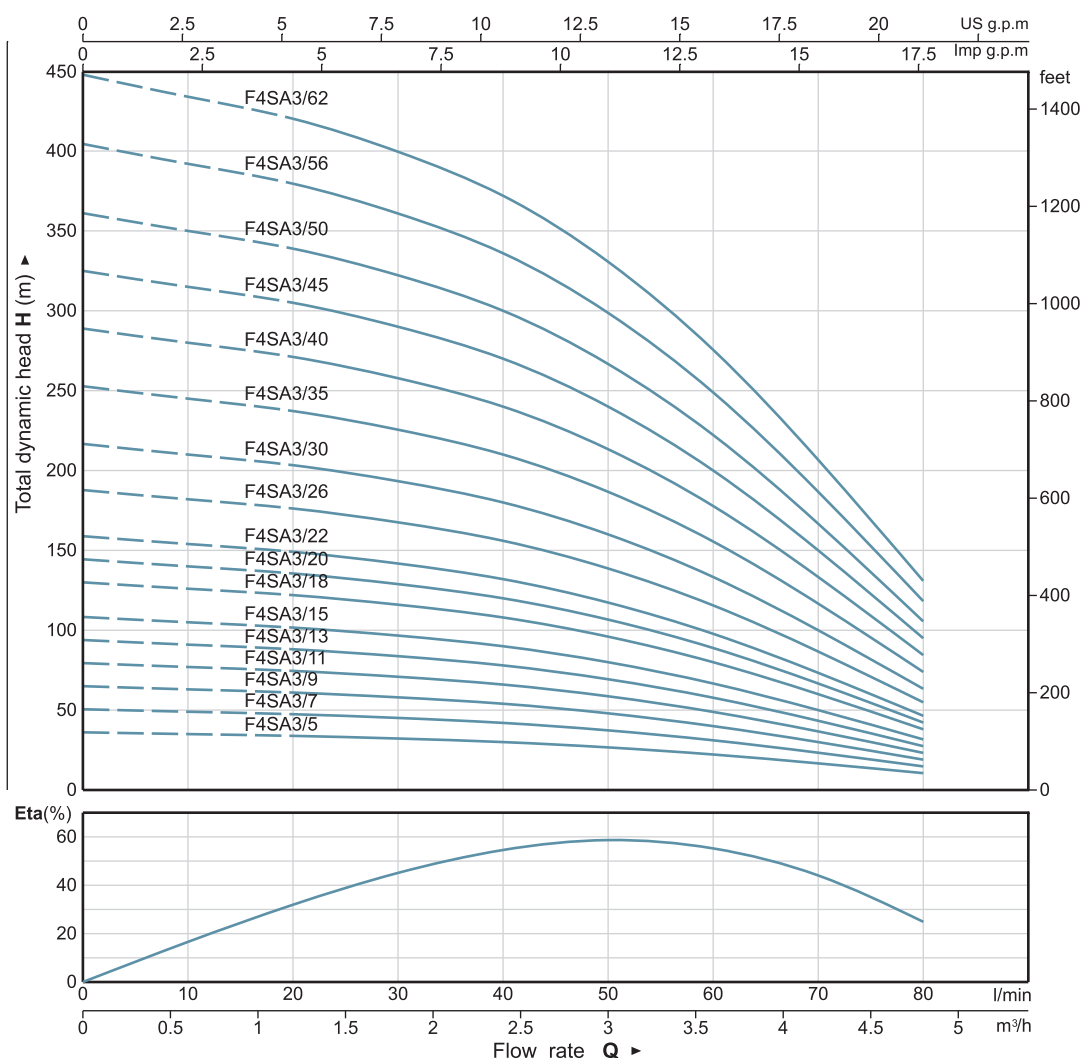
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	① AISI 316 SS ② AISI 304 SS
Shaft coupling	① AISI 316 SS ② AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	① Cast-Cu ASTM C85500 ② AISI 403 SS ③ Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SAM3/5



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SAM3/5	F4SA3/5	1¼"/1½"/2"	329	298	298	627	627	3.0	6.2	5.9	9.2	8.9
F4SAM3/7	F4SA3/7	1¼"/1½"/2"	383	313	313	696	696	3.5	6.9	6.6	10.4	10.1
F4SAM3/9	F4SA3/9	1¼"/1½"/2"	437	328	328	765	765	4.1	7.6	7.2	11.7	11.3
F4SAM3/11	F4SA3/11	1¼"/1½"/2"	491	343	343	834	834	4.6	8.2	7.9	12.8	12.5
F4SAM3/13	F4SA3/13	1¼"/1½"/2"	545	358	343	903	888	5.1	8.9	7.9	14.0	13.0
F4SAM3/15	F4SA3/15	1¼"/1½"/2"	599	378	378	977	977	5.6	9.8	9.5	15.4	15.1
F4SAM3/18	F4SA3/18	1¼"/1½"/2"	679	398	378	1077	1057	6.4	10.7	9.5	16.8	15.9
F4SAM3/20	F4SA3/20	1¼"/1½"/2"	733	423	413	1156	1146	6.9	11.8	11.0	18.5	17.9
F4SAM3/22	F4SA3/22	1¼"/1½"/2"	787	448	413	1235	1200	7.4	12.9	11.0	20.1	18.4
F4SAM3/26	F4SA3/26	1¼"/1½"/2"	927	501	448	1428	1375	8.5	15.3	12.6	23.5	21.1
F4SAM3/30	F4SA3/30	1¼"/1½"/2"	1034	541	501	1575	1535	9.5	17.4	15.2	26.6	24.7
-	F4SA3/35	1¼"/1½"/2"	1169	-	526	-	1695	10.8	-	16.4	-	27.2
-	F4SA3/40	1¼"/1½"/2"	1304	-	551	-	1855	12.1	-	17.7	-	29.8
-	F4SA3/45	1¼"/1½"/2"	1439	-	581	-	2020	13.4	-	19.2	-	32.6
-	F4SA3/50	1¼"/1½"/2"	1605	-	616	-	2221	14.7	-	20.9	-	35.6
-	F4SA3/56	1¼"/1½"/2"	1767	-	672	-	2439	16.2	-	22.9	-	39.1
-	F4SA3/62	1¼"/1½"/2"	1928	-	712	-	2640	17.8	-	24.9	-	42.7

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min										
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8
					l/min	0	10	20	30	40	50	60	70	80
F4SAM3/5	F4SA3/5	0.25	0.33	H(m)		36	35	34	32	30	27	22	17	11
F4SAM3/7	F4SA3/7	0.37	0.5			51	49	47	45	42	37	31	23	15
F4SAM3/9	F4SA3/9	0.55	0.75			65	63	61	58	54	48	40	30	19
F4SAM3/11	F4SA3/11	0.75	1			80	77	74	71	66	59	49	37	23
F4SAM3/13	F4SA3/13	0.75	1			94	91	88	84	78	69	58	43	27
F4SAM3/15	F4SA3/15	1.1	1.5			108	105	102	97	90	80	67	50	32
F4SAM3/18	F4SA3/18	1.1	1.5			130	126	122	116	108	96	80	60	38
F4SAM3/20	F4SA3/20	1.5	2			145	140	135	129	120	107	89	67	42
F4SAM3/22	F4SA3/22	1.5	2			159	154	149	142	132	117	98	73	47
F4SAM3/26	F4SA3/26	2.2	3			188	182	176	168	156	139	116	87	55
F4SAM3/30	F4SA3/30	2.2	3			217	210	203	193	180	160	133	100	63
-	F4SA3/35	3	4			253	245	237	225	210	186	155	116	74
-	F4SA3/40	3	4			289	280	271	258	240	213	178	133	85
-	F4SA3/45	4	5.5			325	315	305	290	270	240	200	150	95
-	F4SA3/50	4	5.5			361	350	339	322	300	266	222	166	106
-	F4SA3/56	5.5	7.5			405	392	379	361	336	298	249	186	118
-	F4SA3/62	5.5	7.5			448	434	420	400	372	331	276	207	131



F4SA 6

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

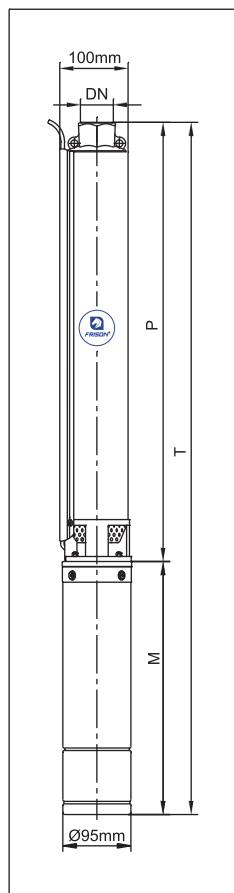
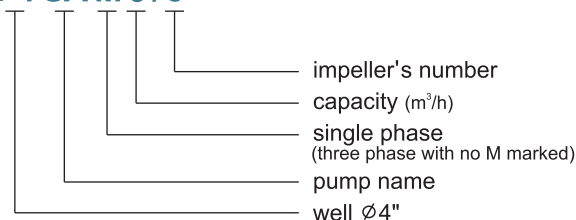
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

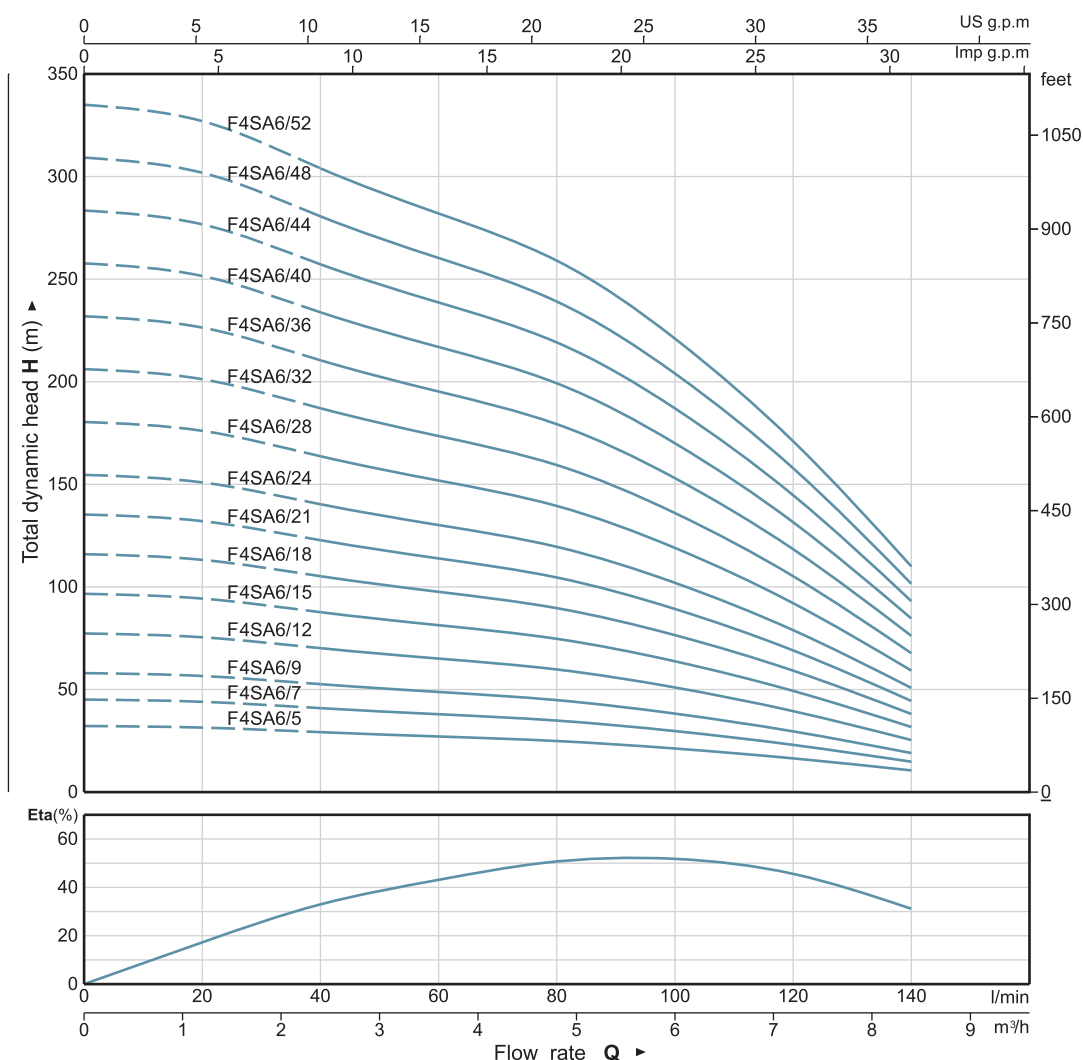
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	① Cast-Cu ASTM C85500 ② AISI 403 SS ③ Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4SAM6/5



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SAM6/5	F4SA6/5	1¼"/1½"/2"	360	313	313	673	673	3.5	6.9	6.6	10.4	10.1
F4SAM6/7	F4SA6/7	1¼"/1½"/2"	426	328	328	754	754	4.1	7.6	7.2	11.7	11.3
F4SAM6/8	F4SA6/8	1¼"/1½"/2"	459	343	343	802	802	4.4	8.2	7.9	12.6	12.3
F4SAM6/9	F4SA6/9	1¼"/1½"/2"	492	343	343	850	835	4.7	8.9	7.9	13.6	12.6
F4SAM6/10	F4SA6/10	1¼"/1½"/2"	525	378	378	903	903	4.9	9.8	9.5	14.7	14.4
F4SAM6/12	F4SA6/12	1¼"/1½"/2"	591	398	378	989	969	5.5	10.7	9.5	16.2	15
F4SAM6/13	F4SA6/13	1¼"/1½"/2"	624	423	413	1047	1037	5.8	11.8	11	17.6	16.8
F4SAM6/15	F4SA6/15	1¼"/1½"/2"	690	448	413	1138	1103	6.4	12.9	11	19.3	17.4
F4SAM6/18	F4SA6/18	1¼"/1½"/2"	789	501	448	1290	1237	7.2	15.3	12.6	22.5	19.8
F4SAM6/21	F4SA6/21	1¼"/1½"/2"	920	541	501	1461	1421	8.1	17.4	15.2	25.5	23.3
-	F4SA6/24	1¼"/1½"/2"	1019	-	526	-	1545	8.9	-	16.4	-	25.3
-	F4SA6/28	1¼"/1½"/2"	1151	-	551	-	1702	10.1	-	17.7	-	27.8
-	F4SA6/32	1¼"/1½"/2"	1283	-	581	-	1864	11.2	-	19.2	-	30.4
-	F4SA6/36	1¼"/1½"/2"	1415	-	616	-	2031	12.3	-	20.9	-	33.2
-	F4SA6/40	1¼"/1½"/2"	1578	-	672	-	2250	13.5	-	22.9	-	36.4
-	F4SA6/44	1¼"/1½"/2"	1710	-	712	-	2422	14.6	-	24.9	-	39.5
-	F4SA6/48	1¼"/1½"/2"	1842	-	762	-	2604	15.7	-	27.4	-	43.1
-	F4SA6/52	1¼"/1½"/2"	1974	-	812	-	2786	16.9	-	29.9	-	46.8

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY								
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	n≈2850 1/min							
				m³/h l/min	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
					0	20	40	60	80	100	120	140
F4SAM6/5	F4SA6/5	0.37	0.5	H(m)	32	31	29	27	25	21	16	11
F4SAM6/7	F4SA6/7	0.55	0.75		45	44	41	38	35	30	23	15
F4SAM6/8	F4SA6/8	0.75	1		52	50	47	43	40	34	26	17
F4SAM6/9	F4SA6/9	0.75	1		58	57	53	49	45	38	30	19
F4SAM6/10	F4SA6/10	1.1	1.5		64	63	58	54	50	42	33	21
F4SAM6/12	F4SA6/12	1.1	1.5		77	75	70	65	60	51	39	25
F4SAM6/13	F4SA6/13	1.5	2		84	82	76	70	65	55	43	27
F4SAM6/15	F4SA6/15	1.5	2		97	94	88	81	75	64	49	32
F4SAM6/18	F4SA6/18	2.2	3		116	113	105	98	90	76	59	38
F4SAM6/21	F4SA6/21	2.2	3		135	132	123	114	105	89	69	44
-	F4SA6/24	3	4		155	151	140	130	120	102	79	51
-	F4SA6/28	3	4		180	176	164	152	139	119	92	59
-	F4SA6/32	4	5.5		206	201	187	174	159	136	105	68
-	F4SA6/36	4	5.5		232	226	210	195	179	153	118	76
-	F4SA6/40	5.5	7.5		258	252	234	217	199	170	132	85
-	F4SA6/44	5.5	7.5		283	277	257	239	219	187	145	93
-	F4SA6/48	7.5	10		309	302	281	260	239	204	158	102
-	F4SA6/52	7.5	10		335	327	304	282	259	221	171	110



F4SA 10

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

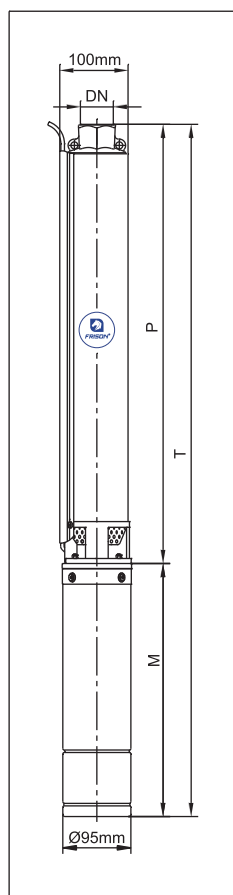
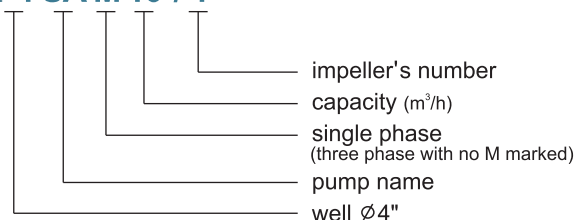
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

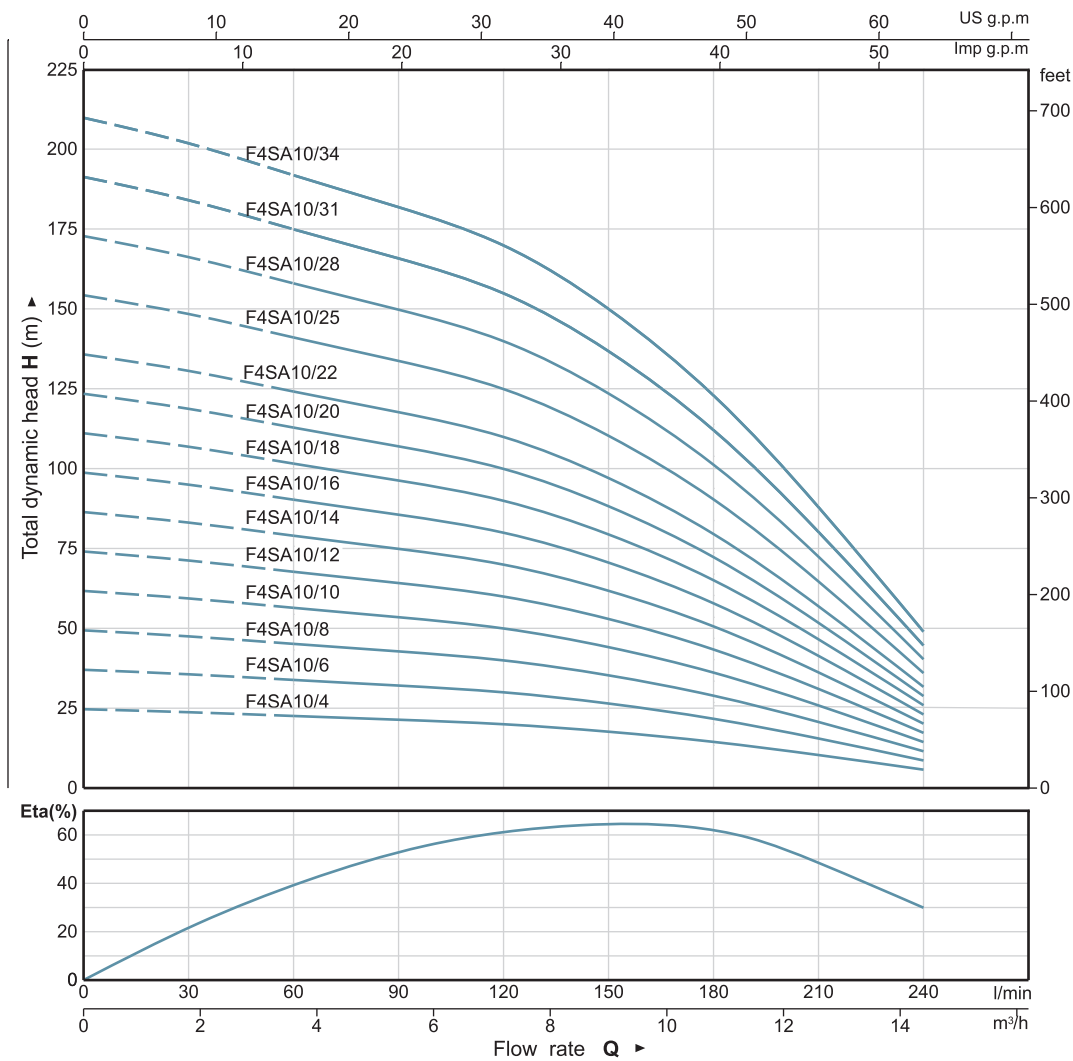
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	① Cast-Cu ASTM C85500 ② AISI 403 SS ③ Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4 S A M 10 / 4



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SAM10/4	F4SA10/4	1¼"/1½"/2"	347	252	252	599	559	3.5	8.2	7.9	11.7	11.4
F4SAM10/5	F4SA10/5	1¼"/1½"/2"	385	358	252	743	637	3.8	8.9	7.9	12.7	11.7
F4SAM10/6	F4SA10/6	1¼"/1½"/2"	423	378	378	801	801	4.1	9.8	9.5	13.9	13.6
F4SAM10/7	F4SA10/7	1¼"/1½"/2"	461	398	378	859	839	4.4	10.7	9.5	15.1	13.9
F4SAM10/8	F4SA10/8	1¼"/1½"/2"	500	423	413	923	913	4.6	11.8	11.0	16.4	15.6
F4SAM10/10	F4SA10/10	1¼"/1½"/2"	576	448	413	1024	989	5.2	12.9	11.0	18.1	16.2
F4SAM10/12	F4SA10/12	1¼"/1½"/2"	652	501	448	1153	1100	5.8	15.3	12.6	21.1	18.4
F4SAM10/14	F4SA10/14	1¼"/1½"/2"	728	541	501	1269	1229	6.4	17.4	15.2	23.8	21.6
-	F4SA10/16	1¼"/1½"/2"	805	-	526	-	1331	7.0	-	16.4	-	23.4
-	F4SA10/18	1¼"/1½"/2"	913	-	551	-	1464	7.6	-	17.7	-	25.3
-	F4SA10/20	1¼"/1½"/2"	989	-	581	-	1570	8.2	-	19.2	-	27.4
-	F4SA10/22	1¼"/1½"/2"	1065	-	616	-	1681	8.8	-	20.9	-	29.7
-	F4SA10/25	1¼"/1½"/2"	1180	-	672	-	1852	9.7	-	22.9	-	32.6
-	F4SA10/28	1¼"/1½"/2"	1294	-	712	-	2006	10.6	-	24.9	-	35.5
-	F4SA10/31	1¼"/1½"/2"	1408	-	762	-	2170	11.5	-	27.4	-	38.9
-	F4SA10/34	1¼"/1½"/2"	1523	-	812	-	2335	12.3	-	29.9	-	42.2

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY										
				n≈2850 1/min										
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4
					l/min	0	30	60	90	120	150	180	210	240
F4SAM10/4	F4SA10/4	0.75	1	H(m)		25	24	23	21	20	18	14	10	6
F4SAM10/5	F4SA10/5	0.75	1			31	30	28	27	25	22	18	13	7
F4SAM10/6	F4SA10/6	1.1	1.5			37	36	34	32	30	26	22	16	9
F4SAM10/7	F4SA10/7	1.1	1.5			43	42	40	37	35	31	25	18	10
F4SAM10/8	F4SA10/8	1.5	2			49	48	45	43	40	35	29	21	12
F4SAM10/10	F4SA10/10	1.5	2			62	59	56	54	50	44	36	26	14
F4SAM10/12	F4SA10/12	2.2	3			74	71	68	64	60	53	43	31	17
F4SAM10/14	F4SA10/14	2.2	3			86	83	79	75	70	62	51	36	20
-	F4SA10/16	3	4			99	95	90	86	80	71	58	41	23
-	F4SA10/18	3	4			111	107	102	96	90	79	65	47	26
-	F4SA10/20	4	5.5			124	119	113	107	100	88	72	52	29
-	F4SA10/22	4	5.5			136	131	124	118	110	97	80	57	32
-	F4SA10/25	5.5	7.5			154	149	141	134	125	110	90	65	36
-	F4SA10/28	5.5	7.5			173	166	158	150	140	124	101	72	40
-	F4SA10/31	7.5	10			191	184	175	166	155	137	112	80	45
-	F4SA10/34	7.5	10			210	202	192	182	170	150	123	88	49



F4E 2

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

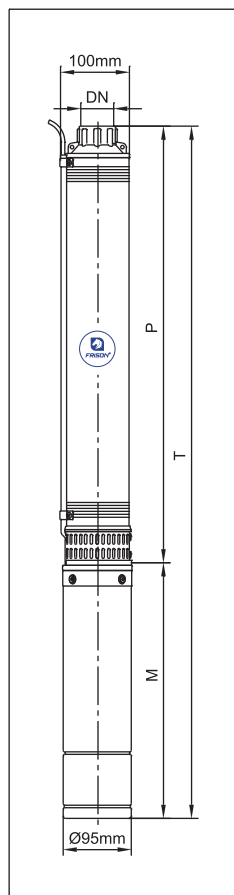
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

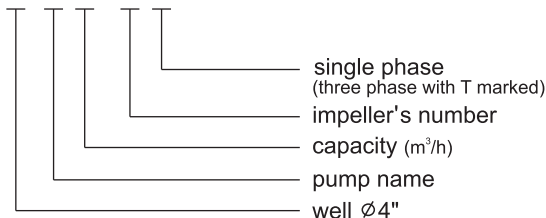
Warranty: 1 year

(according to our general sales conditions).



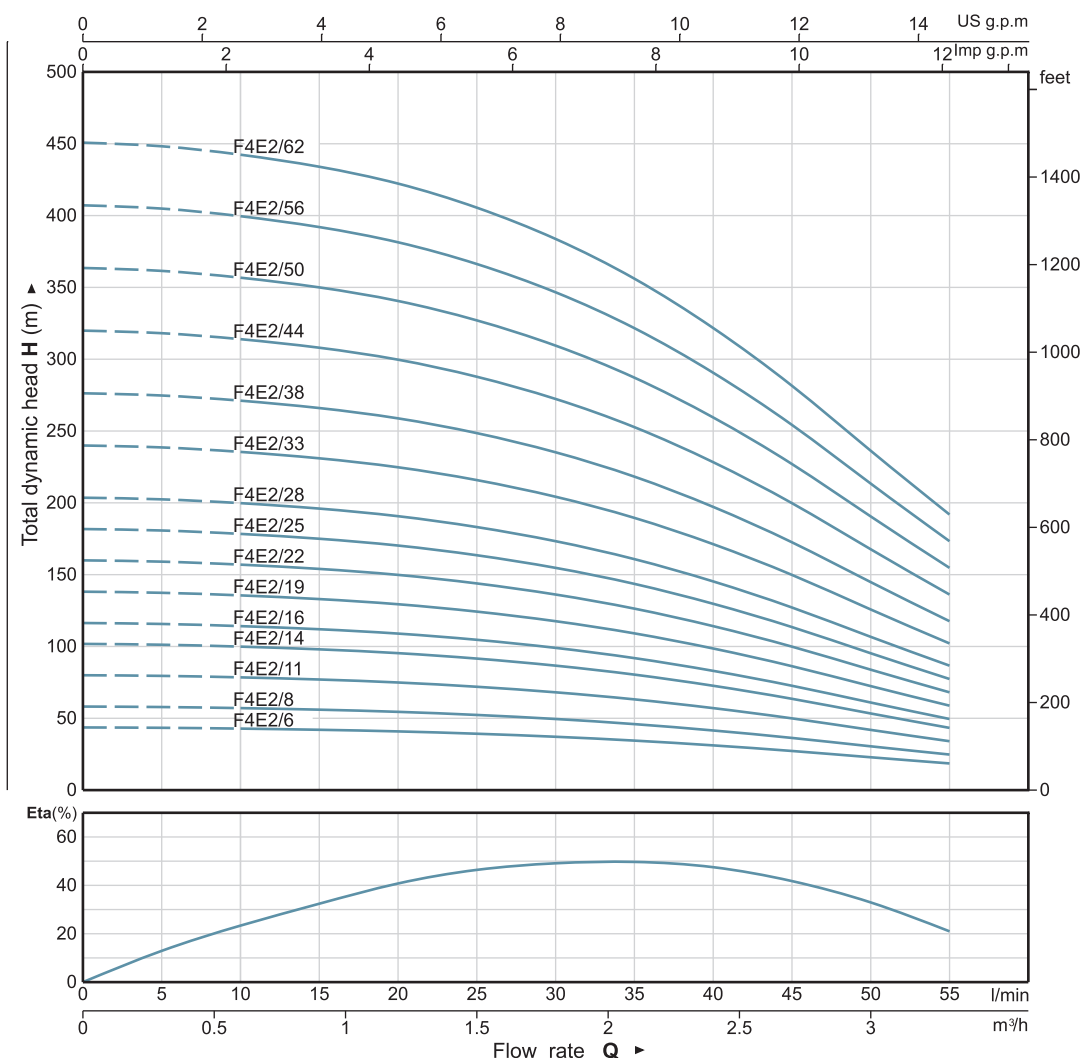
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-Cu ASTM C85500
Suction lantern	Cast-Cu ASTM C85500
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

F4E 2 / 6 S



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4E2/6S	F4E2/6T	1¼"/1½"	420	298	298	718	718	3.0	6.2	5.9	9.2	8.9
F4E2/8S	F4E2/8T	1¼"/1½"	470	313	313	783	783	3.5	6.9	6.6	10.4	10.1
F4E2/11S	F4E2/11T	1¼"/1½"	545	328	328	873	873	4.3	7.6	7.2	11.9	11.5
F4E2/14S	F4E2/14T	1¼"/1½"	619	343	343	962	962	5.0	8.2	7.9	13.2	12.9
F4E2/16S	F4E2/16T	1¼"/1½"	669	358	343	1027	1012	5.5	8.9	7.9	14.4	13.4
F4E2/19S	F4E2/19T	1¼"/1½"	744	378	378	1122	1122	6.2	9.8	9.5	16.0	15.7
F4E2/22S	F4E2/22T	1¼"/1½"	819	398	378	1217	1197	7.0	10.7	9.5	17.7	16.5
F4E2/25S	F4E2/25T	1¼"/1½"	894	423	413	1317	1307	7.7	11.8	11.0	19.5	18.7
F4E2/28S	F4E2/28T	1¼"/1½"	1000	448	413	1448	1413	8.4	12.9	11.0	21.3	19.4
F4E2/33S	F4E2/33T	1¼"/1½"	1125	501	448	1626	1573	9.7	15.3	12.6	25.0	22.3
F4E2/38S	F4E2/38T	1¼"/1½"	1250	541	501	1791	1751	10.9	17.4	15.2	28.3	26.1
-	F4E2/44T	1¼"/1½"	1399	-	526	-	1925	12.4	-	16.4	-	28.8
-	F4E2/50T	1¼"/1½"	1549	-	551	-	2100	13.9	-	17.7	-	31.6
-	F4E2/56T	1¼"/1½"	1730	-	581	-	2311	15.3	-	19.2	-	34.5
-	F4E2/62T	1¼"/1½"	1880	-	616	-	2496	16.8	-	20.9	-	37.7

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY															n≈2850 1/min	
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3			
						0	5	10	15	20	25	30	35	40	45	50	55			
F4E2/6S	F4E2/6T	0.25	0.33	H(m)		44	43	43	42	41	39	37	34	31	27	23	19			
F4E2/8S	F4E2/8T	0.37	0.5			58	58	57	56	54	52	50	46	42	36	30	25			
F4E2/11S	F4E2/11T	0.55	0.75			80	79	78	77	75	72	68	63	57	50	42	34			
F4E2/14S	F4E2/14T	0.75	1			102	101	100	98	95	92	87	80	73	64	53	43			
F4E2/16S	F4E2/16T	0.75	1			116	116	114	112	109	105	99	92	83	73	61	50			
F4E2/19S	F4E2/19T	1.1	1.5			138	137	135	133	129	124	118	109	99	86	72	59			
F4E2/22S	F4E2/22T	1.1	1.5			160	159	157	154	150	144	136	126	114	100	84	68			
F4E2/25S	F4E2/25T	1.5	2			182	181	178	175	170	164	155	144	130	114	95	77			
F4E2/28S	F4E2/28T	1.5	2			204	202	200	196	191	183	173	161	145	127	107	87			
F4E2/33S	F4E2/33T	2.2	3			240	238	235	231	225	216	204	189	171	150	126	102			
F4E2/38S	F4E2/38T	2.2	3			276	275	271	266	259	249	235	218	197	173	145	118			
-	F4E2/44T	3	4			320	318	314	308	299	288	273	253	229	200	167	136			
-	F4E2/50T	3	4			364	361	356	350	340	327	310	287	260	227	190	155			
-	F4E2/56T	4	5.5			407	405	399	392	381	367	347	322	291	255	213	173			
-	F4E2/62T	4	5.5			451	448	442	434	422	406	384	356	322	282	236	192			



F4E 3

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

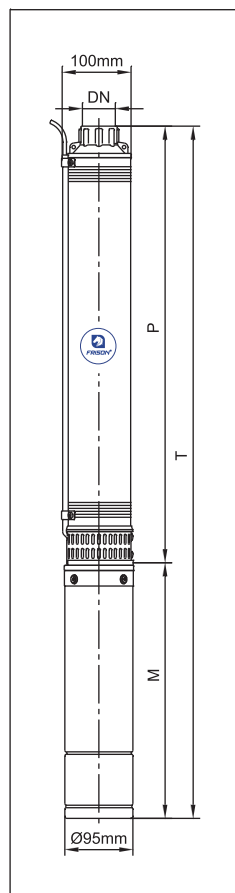
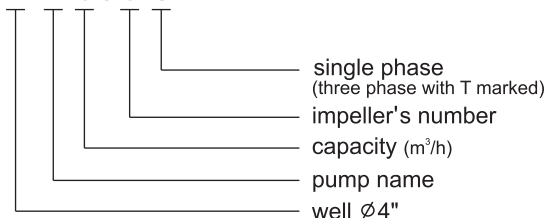
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

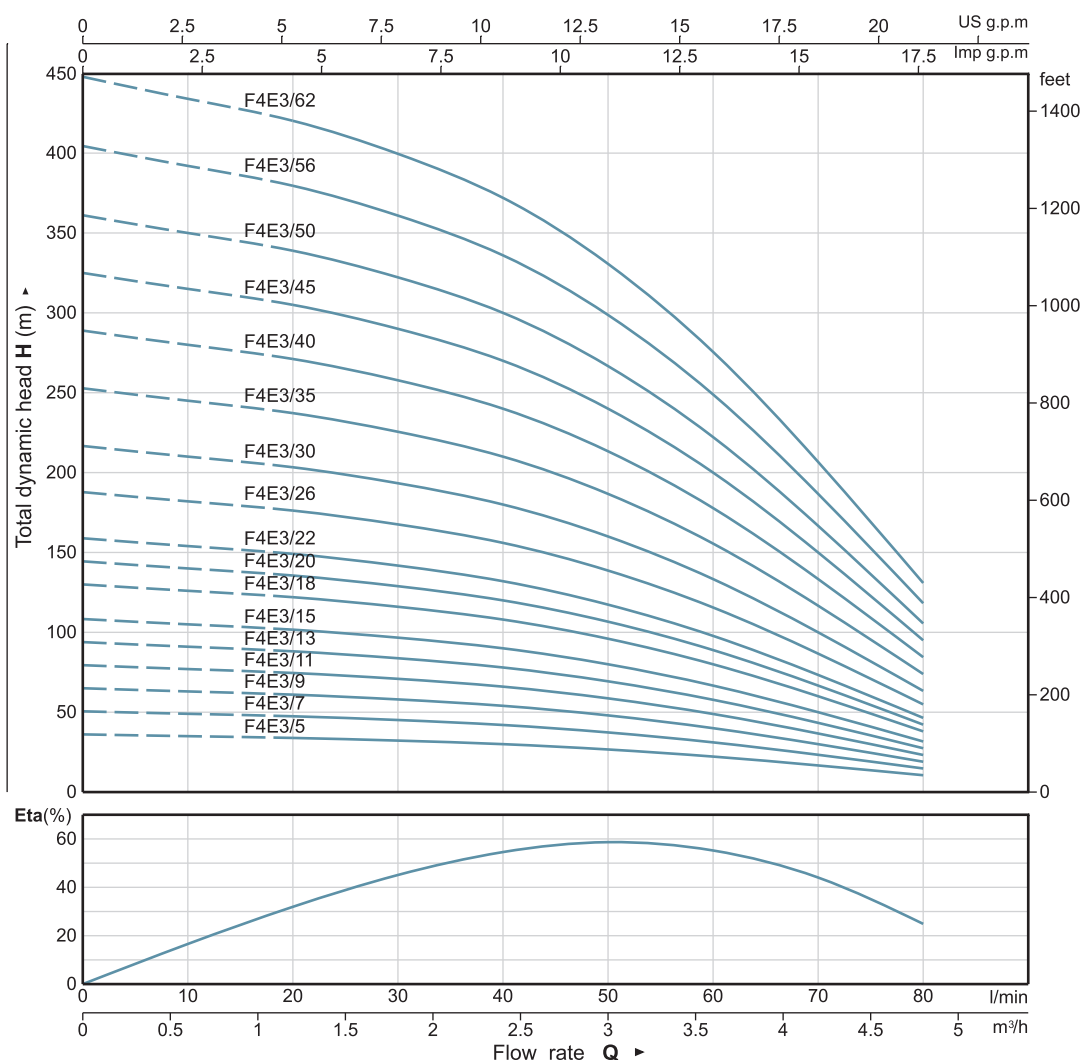
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-Cu ASTM C85500
Suction lantern	Cast-Cu ASTM C85500
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

F4 E 3 / 5 S



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4E3/5S	F4E3/5T	1¼"/1½"	405	298	298	703	703	3.0	6.2	5.9	9.2	8.9
F4E3/7S	F4E3/7T	1¼"/1½"	459	313	313	772	772	3.5	6.9	6.6	10.4	10.1
F4E3/9S	F4E3/9T	1¼"/1½"	513	328	328	841	841	4.1	7.6	7.2	11.7	11.3
F4E3/11S	F4E3/11T	1¼"/1½"	567	343	343	910	910	4.6	8.2	7.9	12.8	12.5
F4E3/13S	F4E3/13T	1¼"/1½"	620	358	343	978	963	5.1	8.9	7.9	14.0	13.0
F4E3/15S	F4E3/15T	1¼"/1½"	674	378	378	1052	1052	5.6	9.8	9.5	15.4	15.1
F4E3/18S	F4E3/18T	1¼"/1½"	755	398	378	1153	1133	6.4	10.7	9.5	17.1	15.9
F4E3/20S	F4E3/20T	1¼"/1½"	809	423	413	1232	1222	6.9	11.8	11.0	18.7	17.9
F4E3/22S	F4E3/22T	1¼"/1½"	863	448	413	1311	1276	7.4	12.9	11.0	20.3	18.4
F4E3/26S	F4E3/26T	1¼"/1½"	1002	501	448	1503	1450	8.5	15.3	12.6	23.8	21.1
F4E3/30S	F4E3/30T	1¼"/1½"	1110	541	501	1651	1611	9.5	17.4	15.2	26.9	24.7
-	F4E3/35T	1¼"/1½"	1245	-	526	-	1771	10.8	-	16.4	-	27.2
-	F4E3/40T	1¼"/1½"	1380	-	551	-	1931	12.1	-	17.7	-	29.8
-	F4E3/45T	1¼"/1½"	1514	-	581	-	2095	13.4	-	19.2	-	32.6
-	F4E3/50T	1¼"/1½"	1681	-	616	-	2297	14.7	-	20.9	-	35.6
-	F4E3/56T	1¼"/1½"	1842	-	672	-	2514	16.2	-	22.9	-	39.1
-	F4E3/62T	1¼"/1½"	2004	-	712	-	2716	17.8	-	24.9	-	42.7

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY										
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	n≈2850 1/min									
				m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	
					0	10	20	30	40	50	60	70	80	
F4E3/5S	F4E3/5T	0.25	0.33	H(m)	36	35	34	32	30	27	22	17	11	
F4E3/7S	F4E3/7T	0.37	0.5		51	49	47	45	42	37	31	23	15	
F4E3/9S	F4E3/9T	0.55	0.75		65	63	61	58	54	48	40	30	19	
F4E3/11S	F4E3/11T	0.75	1		80	77	74	71	66	59	49	37	23	
F4E3/13S	F4E3/13T	0.75	1		94	91	88	84	78	69	58	43	27	
F4E3/15S	F4E3/15T	1.1	1.5		108	105	102	97	90	80	67	50	32	
F4E3/18S	F4E3/18T	1.1	1.5		130	126	122	116	108	96	80	60	38	
F4E3/20S	F4E3/20T	1.5	2		145	140	135	129	120	107	89	67	42	
F4E3/22S	F4E3/22T	1.5	2		159	154	149	142	132	117	98	73	47	
F4E3/26S	F4E3/26T	2.2	3		188	182	176	168	156	139	116	87	55	
F4E3/30S	F4E3/30T	2.2	3		217	210	203	193	180	160	133	100	63	
-	F4E3/35T	3	4		253	245	237	225	210	186	155	116	74	
-	F4E3/40T	3	4		289	280	271	258	240	213	178	133	85	
-	F4E3/45T	4	5.5		325	315	305	290	270	240	200	150	95	
-	F4E3/50T	4	5.5		361	350	339	322	300	266	222	166	106	
-	F4E3/56T	5.5	7.5		405	392	379	361	336	298	249	186	118	
-	F4E3/62T	5.5	7.5		448	434	420	400	372	331	276	207	131	



F4E 6

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

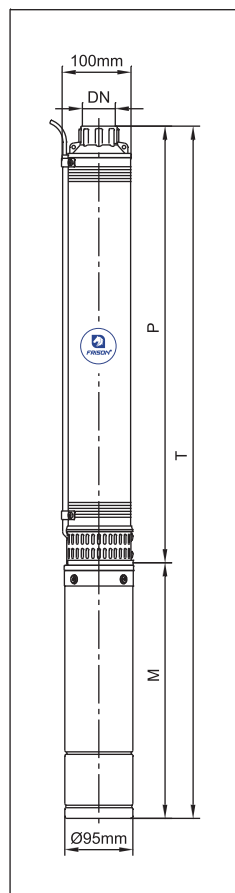
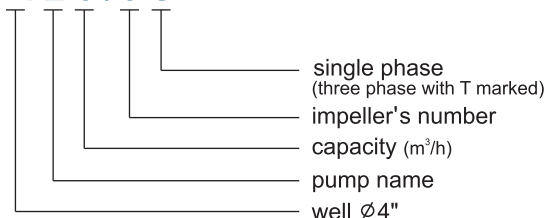
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

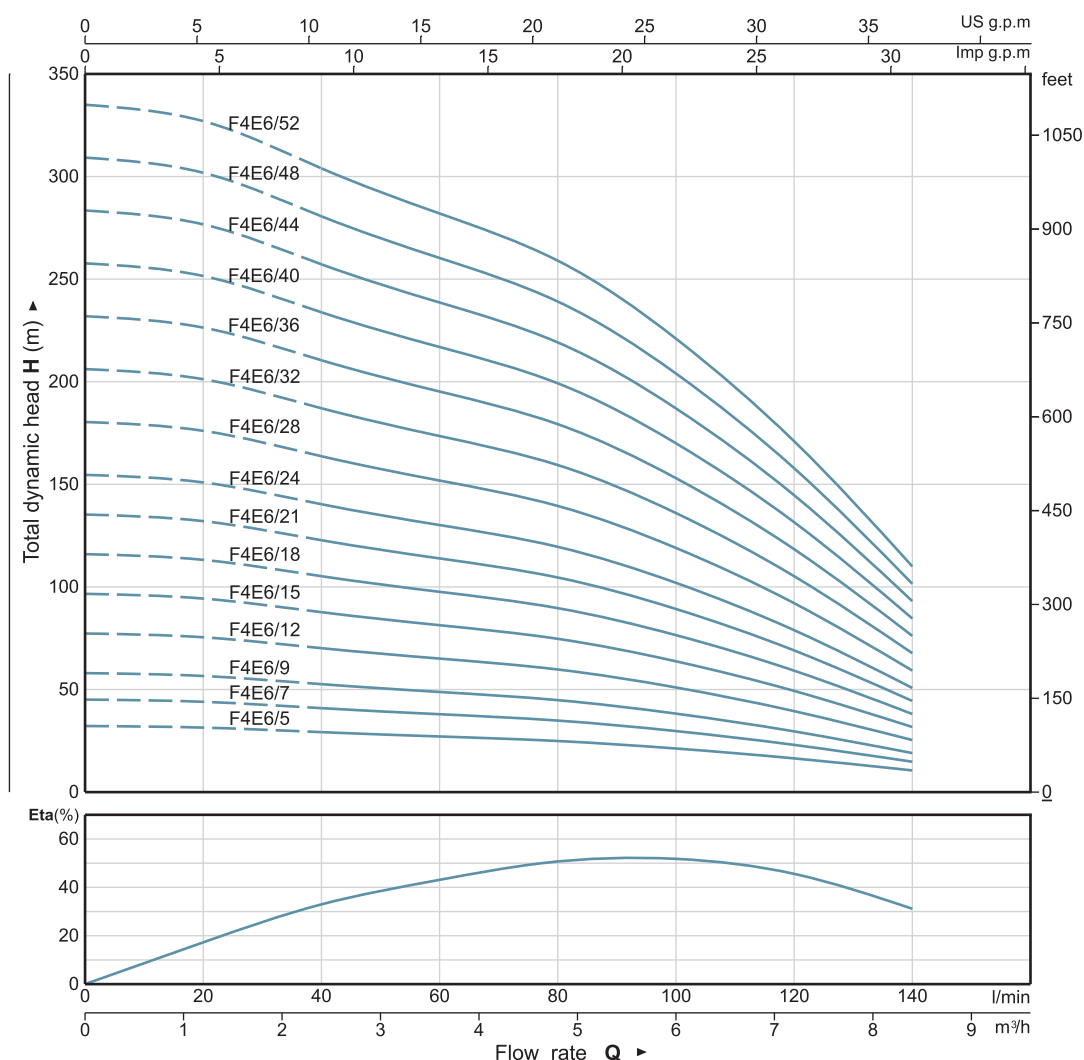
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-Cu ASTM C85500
Suction lantern	Cast-Cu ASTM C85500
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

F4E 6 / 5 S



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4E6/5S	F4E6/5T	1¼"/1½"/2"	436	313	313	749	749	3.5	6.9	6.6	10.4	10.1
F4E6/7S	F4E6/7T	1¼"/1½"/2"	502	328	328	830	830	4.1	7.6	7.2	11.7	11.3
F4E6/8S	F4E6/8T	1¼"/1½"/2"	535	343	343	878	878	4.4	8.2	7.9	12.6	12.3
F4E6/9S	F4E6/9T	1¼"/1½"/2"	568	358	343	926	911	4.7	8.9	7.9	13.6	12.6
F4E6/10S	F4E6/10T	1¼"/1½"/2"	601	378	378	979	979	4.9	9.8	9.5	14.7	14.4
F4E6/12S	F4E6/12T	1¼"/1½"/2"	667	398	378	1065	1045	5.5	10.7	9.5	16.2	15.0
F4E6/13S	F4E6/13T	1¼"/1½"/2"	700	423	413	1123	1113	5.8	11.8	11.0	17.6	16.8
F4E6/15S	F4E6/15T	1¼"/1½"/2"	766	448	413	1214	1179	6.4	12.9	11.0	19.3	17.4
F4E6/18S	F4E6/18T	1¼"/1½"/2"	865	501	448	1366	1313	7.2	15.3	12.6	22.5	19.8
F4E6/21S	F4E6/21T	1¼"/1½"/2"	996	541	501	1537	1497	8.1	17.4	15.2	25.5	23.3
-	F4E6/24T	1¼"/1½"/2"	1095	-	526	-	1621	8.9	-	16.4	-	25.3
-	F4E6/28T	1¼"/1½"/2"	1227	-	551	-	1778	10.1	-	17.7	-	27.8
-	F4E6/32T	1¼"/1½"/2"	1359	-	581	-	1940	11.2	-	19.2	-	30.4
-	F4E6/36T	1¼"/1½"/2"	1491	-	616	-	2107	12.3	-	20.9	-	33.2
-	F4E6/40T	1¼"/1½"/2"	1654	-	672	-	2326	13.5	-	22.9	-	36.4
-	F4E6/44T	1¼"/1½"/2"	1786	-	712	-	2498	14.6	-	24.9	-	39.5
-	F4E6/48T	1¼"/1½"/2"	1918	-	762	-	2680	15.7	-	27.4	-	43.1
-	F4E6/52T	1¼"/1½"/2"	2050	-	812	-	2862	16.9	-	29.9	-	46.8

• In the list: M(S) is single phase motor, M(T) is three phase motor.
• In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY									
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	n≈2850 1/min								
					m³/h l/min	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
						0	20	40	60	80	100	120	140
F4E6/5S	F4E6/5T	0.37	0.5	H(m)		32	31	29	27	25	21	16	11
F4E6/7S	F4E6/7T	0.55	0.75			45	44	41	38	35	30	23	15
F4E6/8S	F4E6/8T	0.75	1			52	50	47	43	40	34	26	17
F4E6/9S	F4E6/9T	0.75	1			58	57	53	49	45	38	30	19
F4E6/10S	F4E6/10T	1.1	1.5			64	63	58	54	50	42	33	21
F4E6/12S	F4E6/12T	1.1	1.5			77	75	70	65	60	51	39	25
F4E6/13S	F4E6/13T	1.5	2			84	82	76	70	65	55	43	27
F4E6/15S	F4E6/15T	1.5	2			97	94	88	81	75	64	49	32
F4E6/18S	F4E6/18T	2.2	3			116	113	105	98	90	76	59	38
F4E6/21S	F4E6/21T	2.2	3			135	132	123	114	105	89	69	44
-	F4E6/24T	3	4			155	151	140	130	120	102	79	51
-	F4E6/28T	3	4			180	176	164	152	139	119	92	59
-	F4E6/32T	4	5.5			206	201	187	174	159	136	105	68
-	F4E6/36T	4	5.5			232	226	210	195	179	153	118	76
-	F4E6/40T	5.5	7.5			258	252	234	217	199	170	132	85
-	F4E6/44T	5.5	7.5			283	277	257	239	219	187	145	93
-	F4E6/48T	7.5	10			309	302	281	260	239	204	158	102
-	F4E6/52T	7.5	10			335	327	304	282	259	221	171	110



F4E 10

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

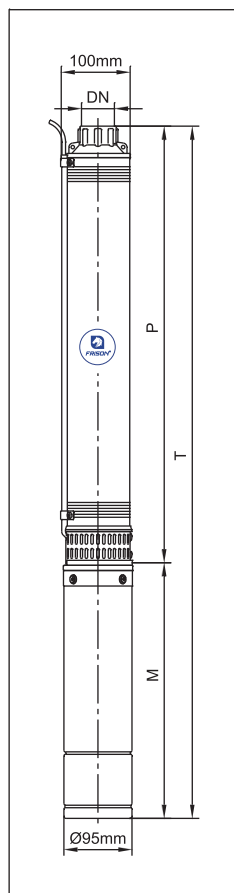
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

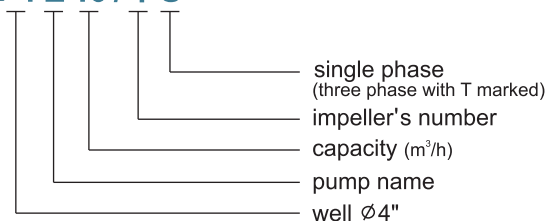
Warranty: 1 year

(according to our general sales conditions).



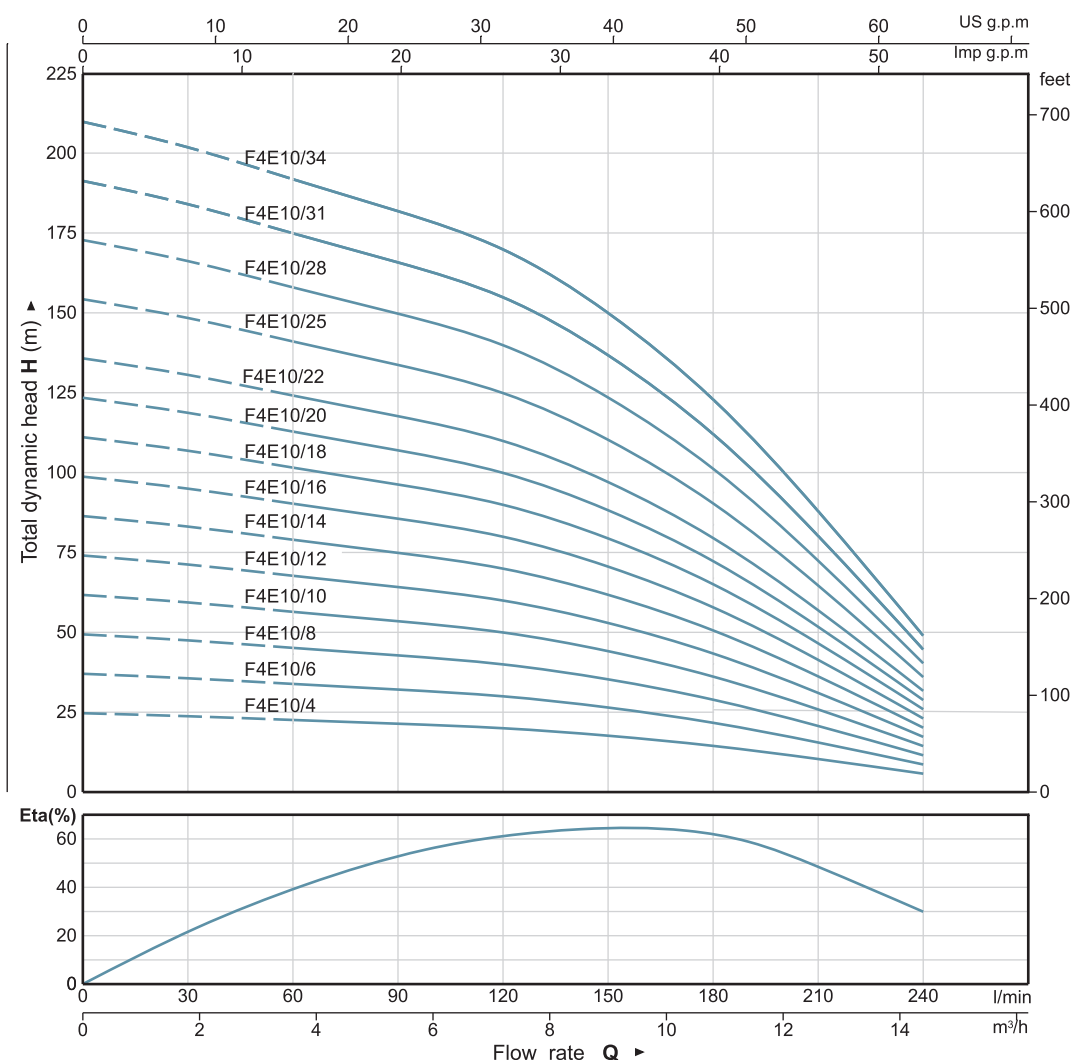
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-Cu ASTM C85500
Suction lantern	Cast-Cu ASTM C85500
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

F4 E 10 / 4 S



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4E10/4S	F4E10/4T	1¼"/1½"/2"	423	252	252	675	675	3.5	8.2	7.9	11.7	11.4
F4E10/5S	F4E10/5T	1¼"/1½"/2"	458	358	252	816	710	3.8	8.9	7.9	12.7	11.7
F4E10/6S	F4E10/6T	1¼"/1½"/2"	496	378	378	874	874	4.1	9.8	9.5	13.9	13.6
F4E10/7S	F4E10/7T	1¼"/1½"/2"	534	398	378	932	912	4.4	10.7	9.5	15.1	13.9
F4E10/8S	F4E10/8T	1¼"/1½"/2"	572	423	413	995	985	4.6	11.8	11.0	16.4	15.6
F4E10/10S	F4E10/10T	1¼"/1½"/2"	649	448	413	1097	1062	5.2	12.9	11.0	18.1	16.2
F4E10/12S	F4E10/12T	1¼"/1½"/2"	725	501	448	1226	1173	5.8	15.3	12.6	21.1	18.4
F4E10/14S	F4E10/14T	1¼"/1½"/2"	801	541	501	1342	1302	6.4	17.4	15.2	23.8	21.6
-	F4E10/16T	1¼"/1½"/2"	878	-	526	-	1404	7.0	-	16.4	-	23.4
-	F4E10/18T	1¼"/1½"/2"	985	-	551	-	1536	7.6	-	17.7	-	25.3
-	F4E10/20T	1¼"/1½"/2"	1062	-	581	-	1643	8.2	-	19.2	-	27.4
-	F4E10/22T	1¼"/1½"/2"	1138	-	616	-	1754	8.8	-	20.9	-	29.7
-	F4E10/25T	1¼"/1½"/2"	1252	-	672	-	1924	9.7	-	22.9	-	32.6
-	F4E10/28T	1¼"/1½"/2"	1367	-	712	-	2079	10.6	-	24.9	-	35.5
-	F4E10/31T	1¼"/1½"/2"	1481	-	762	-	2243	11.5	-	27.4	-	38.9
-	F4E10/34T	1¼"/1½"/2"	1596	-	812	-	2408	12.3	-	29.9	-	42.2

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY										
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h l/min	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4
						0	30	60	90	120	150	180	210	240
F4E10/4S	F4E10/4T	0.75	1	H(m)		25	24	23	21	20	18	14	10	6
F4E10/5S	F4E10/5T	0.75	1			31	30	28	27	25	22	18	13	7
F4E10/6S	F4E10/6T	1.1	1.5			37	36	34	32	30	26	22	16	9
F4E10/7S	F4E10/7T	1.1	1.5			43	42	40	37	35	31	25	18	10
F4E10/8S	F4E10/8T	1.5	2			49	48	45	43	40	35	29	21	12
F4E10/10S	F4E10/10T	1.5	2			62	59	56	54	50	44	36	26	14
F4E10/12S	F4E10/12T	2.2	3			74	71	68	64	60	53	43	31	17
F4E10/14S	F4E10/14T	2.2	3			86	83	79	75	70	62	51	36	20
-	F4E10/16T	3	4			99	95	90	86	80	71	58	41	23
-	F4E10/18T	3	4			111	107	102	96	90	79	65	47	26
-	F4E10/20T	4	5.5			124	119	113	107	100	88	72	52	29
-	F4E10/22T	4	5.5			136	131	124	118	110	97	80	57	32
-	F4E10/25T	5.5	7.5			154	149	141	134	125	110	90	65	36
-	F4E10/28T	5.5	7.5			173	166	158	150	140	124	101	72	40
-	F4E10/31T	7.5	10			191	184	175	166	155	137	112	80	45
-	F4E10/34T	7.5	10			210	202	192	182	170	150	123	88	49



F4CP 2

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

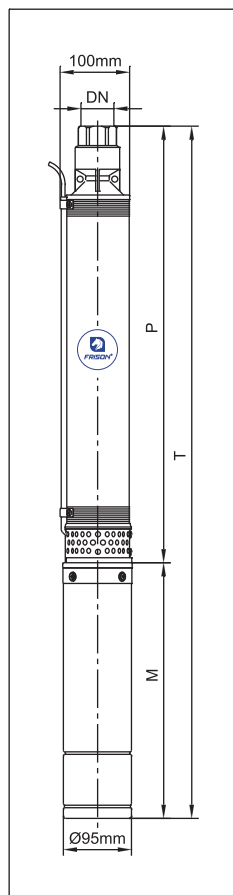
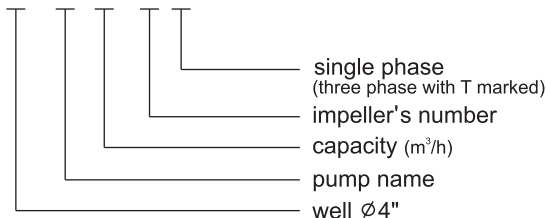
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

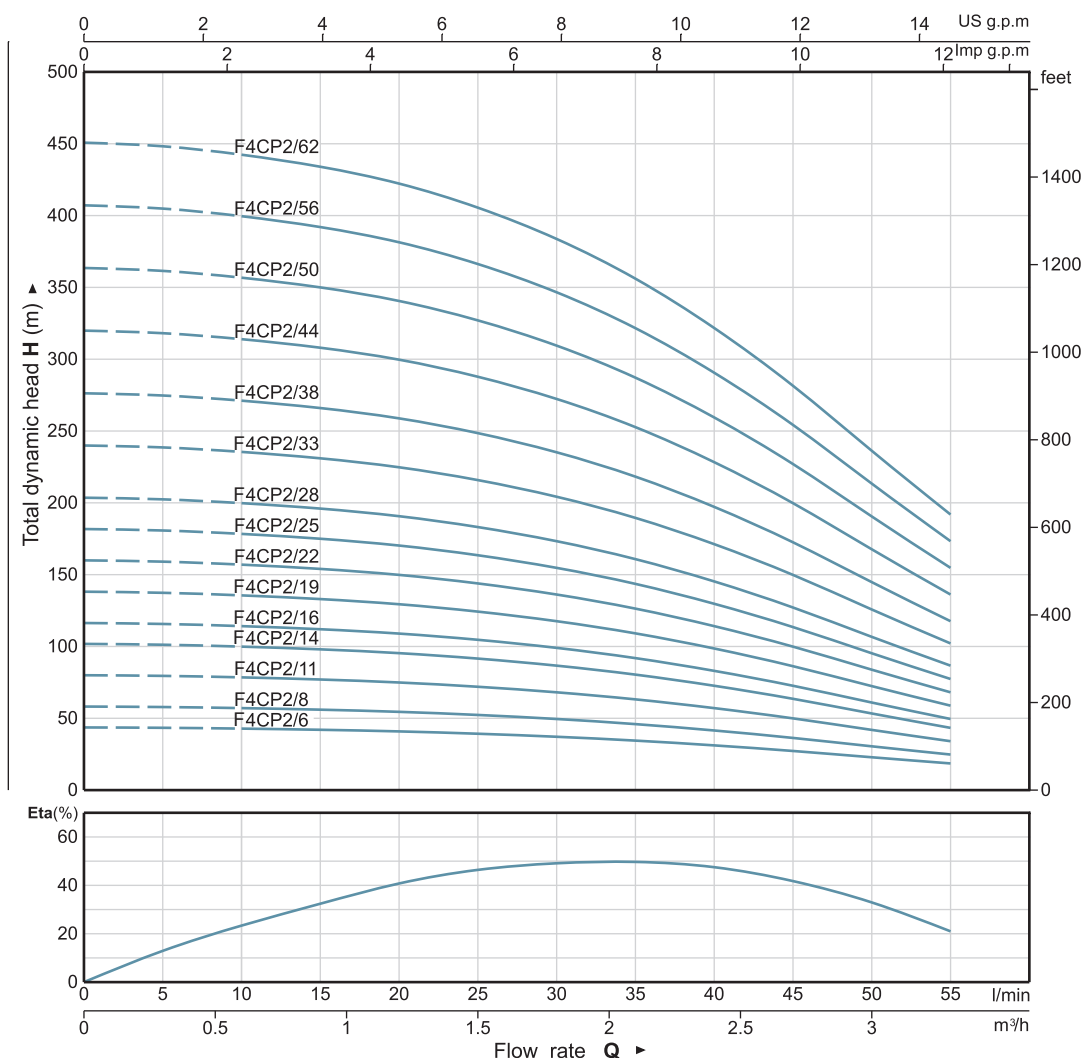
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-Cu ASTM C85500
Suction lantern	Cast-Cu ASTM C85500
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4 CP 2 / 6 S



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4CP2/6S	F4CP2/6T	1¼"	437	298	298	735	735	3.0	6.2	5.9	9.2	8.9
F4CP2/8S	F4CP2/8T	1¼"	487	313	313	800	800	3.5	6.9	6.6	10.4	10.1
F4CP2/11S	F4CP2/11T	1¼"	562	328	328	890	890	4.3	7.6	7.2	11.9	11.5
F4CP2/14S	F4CP2/14T	1¼"	636	343	343	979	979	5.0	8.2	7.9	13.2	12.9
F4CP2/16S	F4CP2/16T	1¼"	686	358	343	1044	1029	5.5	8.9	7.9	14.4	13.4
F4CP2/19S	F4CP2/19T	1¼"	761	378	378	1139	1139	6.2	9.8	9.5	16.0	15.7
F4CP2/22S	F4CP2/22T	1¼"	836	398	378	1234	1214	7.0	10.7	9.5	17.7	16.5
F4CP2/25S	F4CP2/25T	1¼"	911	423	413	1334	1324	7.7	11.8	11.0	19.5	18.7
F4CP2/28S	F4CP2/28T	1¼"	1017	448	413	1465	1430	8.4	12.9	11.0	21.3	19.4
F4CP2/33S	F4CP2/33T	1¼"	1142	501	448	1643	1590	9.7	15.3	12.6	25.0	22.3
F4CP2/38S	F4CP2/38T	1¼"	1267	541	501	1808	1768	10.9	17.4	15.2	28.3	26.1
-	F4CP2/44T	1¼"	1416	-	526	-	1942	12.4	-	16.4	-	28.8
-	F4CP2/50T	1¼"	1566	-	551	-	2117	13.9	-	17.7	-	31.6
-	F4CP2/56T	1¼"	1747	-	581	-	2328	15.3	-	19.2	-	34.5
-	F4CP2/62T	1¼"	1897	-	616	-	2513	16.8	-	20.9	-	37.7

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY														n≈2850 1/min	
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3		
						0	5	10	15	20	25	30	35	40	45	50	55		
F4CP2/6S	F4CP2/6T	0.25	0.33	H(m)		44	43	43	42	41	39	37	34	31	27	23	19		
F4CP2/8S	F4CP2/8T	0.37	0.5			58	58	57	56	54	52	50	46	42	36	30	25		
F4CP2/11S	F4CP2/11T	0.55	0.75			80	79	78	77	75	72	68	63	57	50	42	34		
F4CP2/14S	F4CP2/14T	0.75	1			102	101	100	98	95	92	87	80	73	64	53	43		
F4CP2/16S	F4CP2/16T	0.75	1			116	116	114	112	109	105	99	92	83	73	61	50		
F4CP2/19S	F4CP2/19T	1.1	1.5			138	137	135	133	129	124	118	109	99	86	72	59		
F4CP2/22S	F4CP2/22T	1.1	1.5			160	159	157	154	150	144	136	126	114	100	84	68		
F4CP2/25S	F4CP2/25T	1.5	2			182	181	178	175	170	164	155	144	130	114	95	77		
F4CP2/28S	F4CP2/28T	1.5	2			204	202	200	196	191	183	173	161	145	127	107	87		
F4CP2/33S	F4CP2/33T	2.2	3			240	238	235	231	225	216	204	189	171	150	126	102		
F4CP2/38S	F4CP2/38T	2.2	3			276	275	271	266	259	249	235	218	197	173	145	118		
-	F4CP2/44T	3	4			320	318	314	308	299	288	273	253	229	200	167	136		
-	F4CP2/50T	3	4			364	361	356	350	340	327	310	287	260	227	190	155		
-	F4CP2/56T	4	5.5			407	405	399	392	381	367	347	322	291	255	213	173		
-	F4CP2/62T	4	5.5			451	448	442	434	422	406	384	356	322	282	236	192		



F4CP 3

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

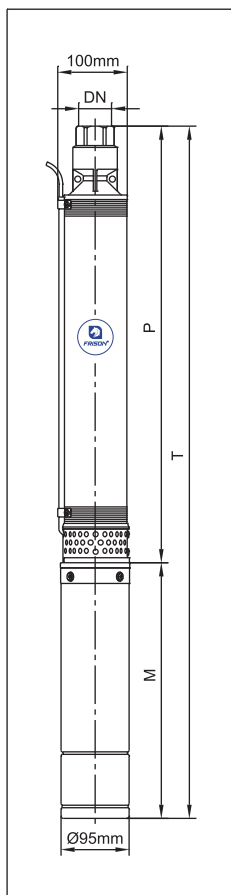
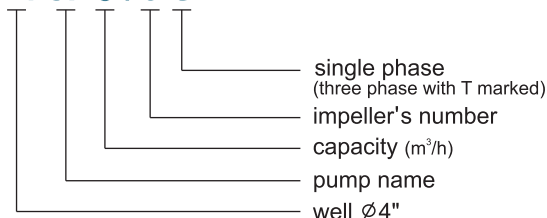
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).

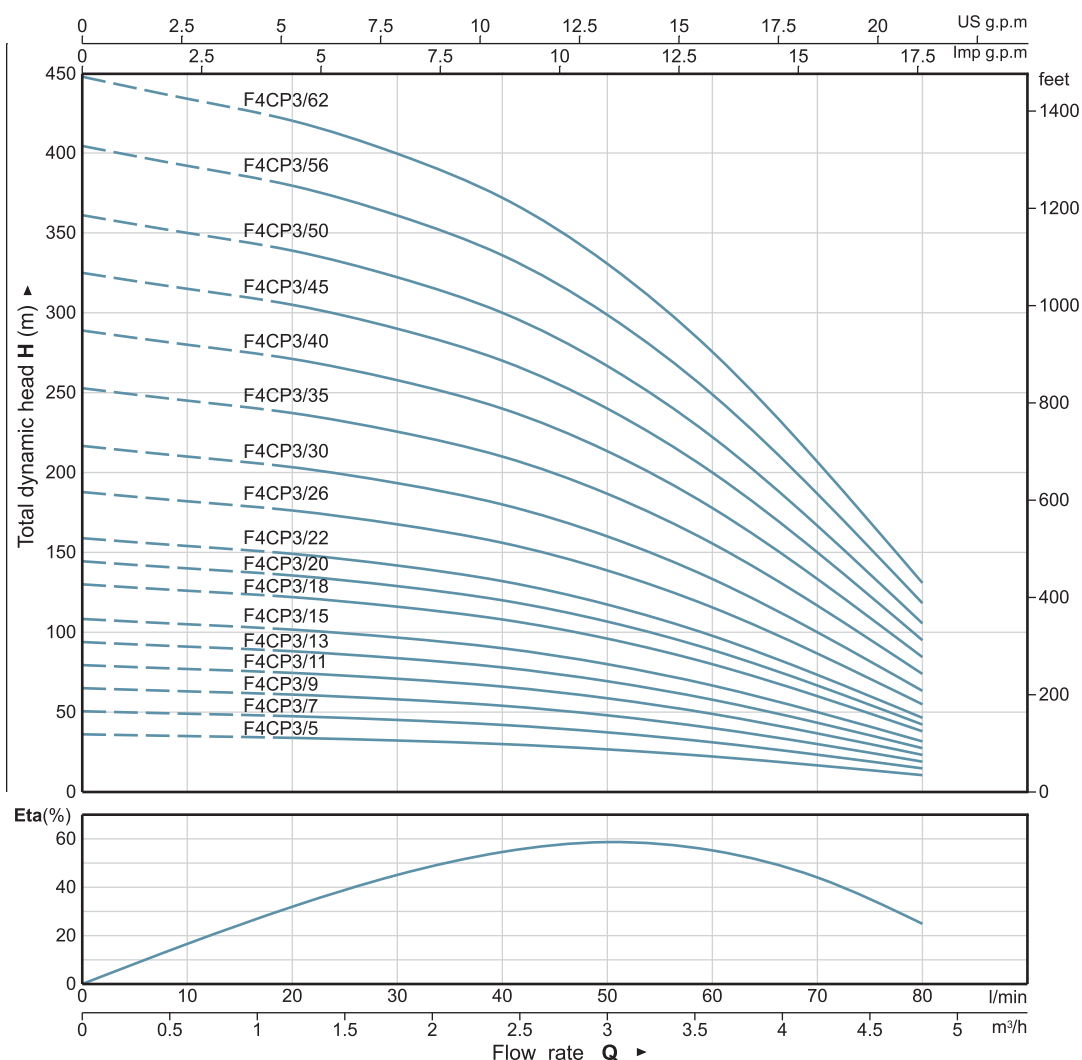
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-Cu ASTM C85500
Suction lantern	Cast-Cu ASTM C85500
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4 CP 3 / 5 S



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4CP3/5S	F4CP3/5T	1¼"	422	298	298	720	720	3.0	6.2	5.9	9.2	8.9
F4CP3/7S	F4CP3/7T	1¼"	476	313	313	789	789	3.5	6.9	6.6	10.4	10.1
F4CP3/9S	F4CP3/9T	1¼"	530	328	328	858	858	4.1	7.6	7.2	11.7	11.3
F4CP3/11S	F4CP3/11T	1¼"	584	343	343	927	927	4.6	8.2	7.9	12.8	12.5
F4CP3/13S	F4CP3/13T	1¼"	637	358	343	995	980	5.1	8.9	7.9	14.0	13.0
F4CP3/15S	F4CP3/15T	1¼"	691	378	378	1069	1069	5.6	9.8	9.5	15.4	15.1
F4CP3/18S	F4CP3/18T	1¼"	772	398	378	1170	1150	6.4	10.7	9.5	17.1	15.9
F4CP3/20S	F4CP3/20T	1¼"	826	423	413	1249	1239	6.9	11.8	11.0	18.7	17.9
F4CP3/22S	F4CP3/22T	1¼"	880	448	413	1328	1293	7.4	12.9	11.0	20.3	18.4
F4CP3/26S	F4CP3/26T	1¼"	1019	501	448	1520	1467	8.5	15.3	12.6	23.8	21.1
F4CP3/30S	F4CP3/30T	1¼"	1127	541	501	1668	1628	9.5	17.4	15.2	26.9	24.7
-	F4CP3/35T	1¼"	1262	-	526	-	1788	10.8	-	16.4	-	27.2
-	F4CP3/40T	1¼"	1397	-	551	-	1948	12.1	-	17.7	-	29.8
-	F4CP3/45T	1¼"	1531	-	581	-	2112	13.4	-	19.2	-	32.6
-	F4CP3/50T	1¼"	1698	-	616	-	2314	14.7	-	20.9	-	35.6
-	F4CP3/56T	1¼"	1859	-	672	-	2531	16.2	-	22.9	-	39.1
-	F4CP3/62T	1¼"	2021	-	712	-	2733	17.8	-	24.9	-	42.7

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY											n≈2850 1/min	
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	H(m)	n
					l/min	0	10	20	30	40	50	60	70	80		
F4CP3/5S	F4CP3/5T	0.25	0.33			36	35	34	32	30	27	22	17	11		
F4CP3/7S	F4CP3/7T	0.37	0.5			51	49	47	45	42	37	31	23	15		
F4CP3/9S	F4CP3/9T	0.55	0.75			65	63	61	58	54	48	40	30	19		
F4CP3/11S	F4CP3/11T	0.75	1			80	77	74	71	66	59	49	37	23		
F4CP3/13S	F4CP3/13T	0.75	1			94	91	88	84	78	69	58	43	27		
F4CP3/15S	F4CP3/15T	1.1	1.5			108	105	102	97	90	80	67	50	32		
F4CP3/18S	F4CP3/18T	1.1	1.5			130	126	122	116	108	96	80	60	38		
F4CP3/20S	F4CP3/20T	1.5	2			145	140	135	129	120	107	89	67	42		
F4CP3/22S	F4CP3/22T	1.5	2			159	154	149	142	132	117	98	73	47		
F4CP3/26S	F4CP3/26T	2.2	3			188	182	176	168	156	139	116	87	55		
F4CP3/30S	F4CP3/30T	2.2	3			217	210	203	193	180	160	133	100	63		
-	F4CP3/35T	3	4			253	245	237	225	210	186	155	116	74		
-	F4CP3/40T	3	4			289	280	271	258	240	213	178	133	85		
-	F4CP3/45T	4	5.5			325	315	305	290	270	240	200	150	95		
-	F4CP3/50T	4	5.5			361	350	339	322	300	266	222	166	106		
-	F4CP3/56T	5.5	7.5			405	392	379	361	336	298	249	186	118		
-	F4CP3/62T	5.5	7.5			448	434	420	400	372	331	276	207	131		



F4SP 2

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

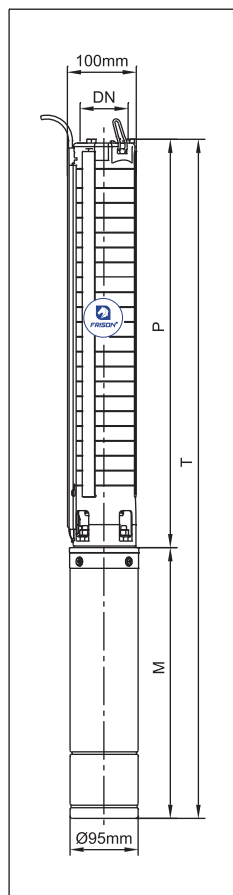
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

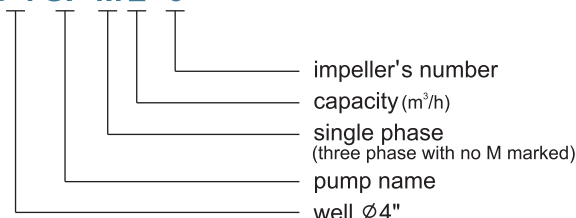
Warranty: 1 year

(according to our general sales conditions).



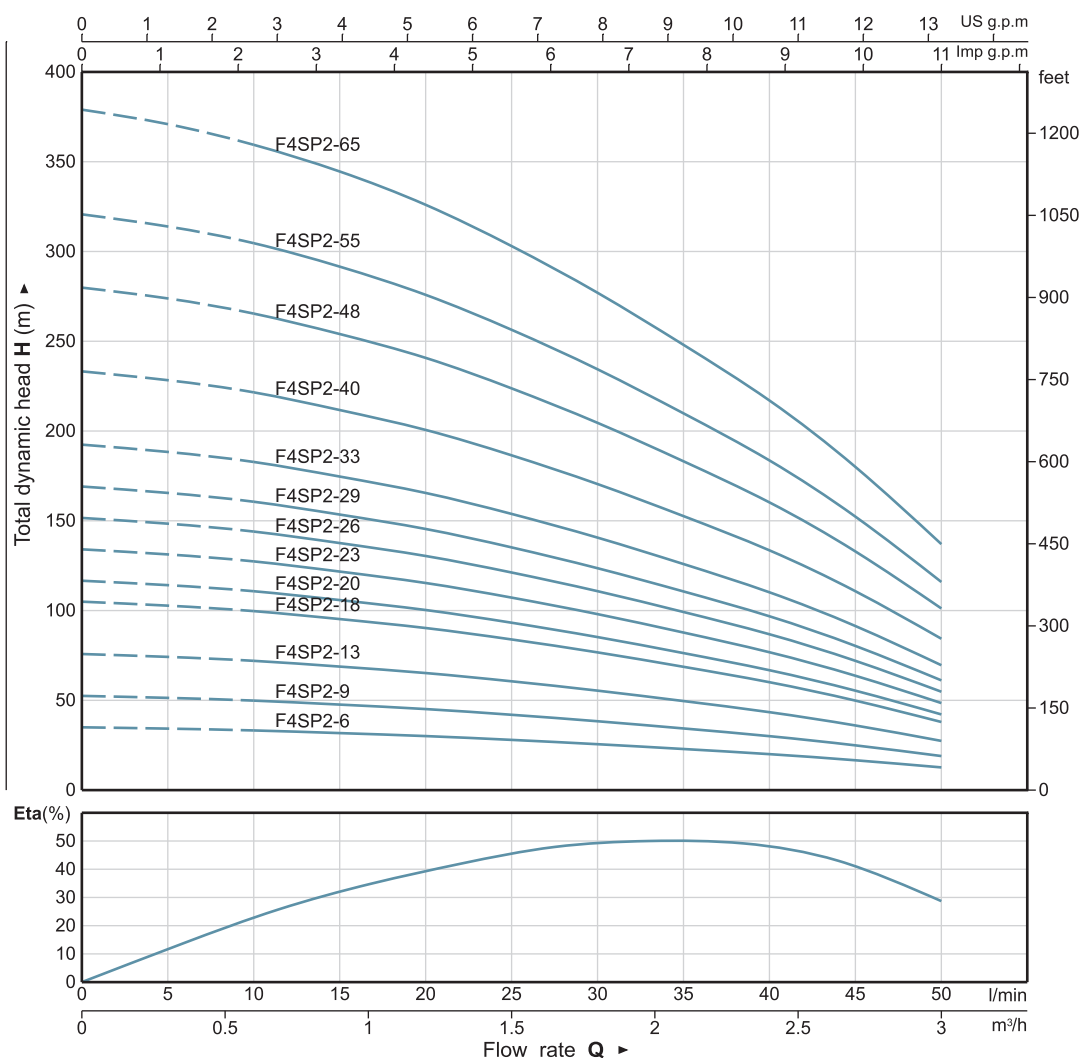
Components	Material
Pump external casing	①AISI 304 SS ②AISI 316 SS
Delivery casing	①AISI 304 SS ②AISI 316 SS
Suction lantern	①AISI 304 SS ②AISI 316 SS
Diffuser	①AISI 304 SS ②AISI 316 SS
Impeller	①AISI 304 SS ②AISI 316 SS
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4 SP M 2 -6



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SPM2-6	F4SP2-6	1¼"/1½"	281	298	298	579	579	2.5	6.2	5.9	8.7	8.4
F4SPM2-9	F4SP2-9	1¼"/1½"	344	313	313	657	657	3.1	6.9	6.6	10.0	9.7
F4SPM2-13	F4SP2-13	1¼"/1½"	428	328	328	756	756	4.0	7.6	7.2	11.6	11.2
F4SPM2-18	F4SP2-18	1¼"/1½"	533	343	343	876	876	5.1	8.2	7.9	13.3	13.0
F4SPM2-20	F4SP2-20	1¼"/1½"	575	358	343	933	918	5.5	8.9	7.9	14.4	13.4
F4SPM2-23	F4SP2-23	1¼"/1½"	628	378	378	1016	1016	6.1	9.8	9.5	15.9	15.4
F4SPM2-26	F4SP2-26	1¼"/1½"	701	398	378	1099	1079	6.8	10.7	9.5	17.5	16.3
F4SPM2-29	F4SP2-29	1¼"/1½"	764	423	413	1187	1177	7.4	11.8	11.0	19.2	18.4
F4SPM2-33	F4SP2-33	1¼"/1½"	848	448	413	1296	1261	8.3	12.9	11.0	21.2	19.3
F4SPM2-40	F4SP2-40	1¼"/1½"	995	501	448	1496	1443	9.8	15.3	12.6	25.1	22.4
F4SPM2-48	F4SP2-48	1¼"/1½"	1163	541	501	1704	1664	11.5	17.4	15.2	28.9	26.7
-	F4SP2-55	1¼"/1½"	1310	-	526	-	1836	13.0	-	16.4	-	29.4
-	F4SP2-65	1¼"/1½"	1520	-	551	-	2071	15.2	-	17.7	-	32.9

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY														n≈2850 1/min	
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0			
					l/min	0	5	10	15	20	25	30	35	40	45	50			
F4SPM2-6	F4SP2-6	0.25	0.33	H(m)		35	34	33	32	30	28	26	23	20	17	13			
F4SPM2-9	F4SP2-9	0.37	0.5			52	51	50	48	45	42	38	34	30	25	19			
F4SPM2-13	F4SP2-13	0.55	0.75			76	74	72	69	65	61	55	50	43	36	27			
F4SPM2-18	F4SP2-18	0.75	1			105	103	100	95	90	84	77	69	60	50	38			
F4SPM2-20	F4SP2-20	0.75	1			117	114	111	106	100	93	85	76	67	55	42			
F4SPM2-23	F4SP2-23	1.1	1.5			134	131	127	122	115	107	98	88	77	64	48			
F4SPM2-26	F4SP2-26	1.1	1.5			152	148	144	138	130	121	111	99	87	72	55			
F4SPM2-29	F4SP2-29	1.5	2			169	166	161	153	145	135	124	111	97	80	61			
F4SPM2-33	F4SP2-33	1.5	2			192	188	183	175	166	154	141	126	110	91	70			
F4SPM2-40	F4SP2-40	2.2	3			233	228	222	212	201	186	170	153	134	111	84			
F4SPM2-48	F4SP2-48	2.2	3			280	274	266	254	241	224	205	183	160	133	101			
-	F4SP2-55	3	4			321	314	305	291	276	256	234	210	184	152	116			
-	F4SP2-65	3	4			379	371	360	344	326	303	277	248	217	180	137			



F4SP 3

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

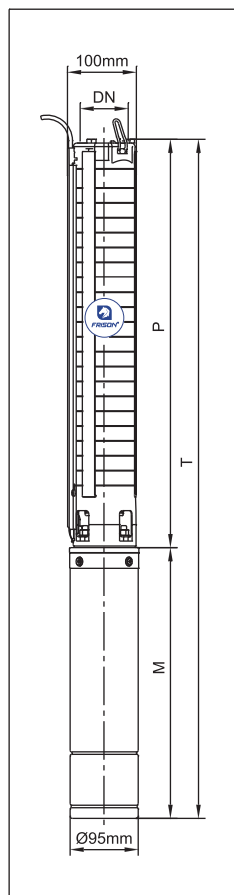
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

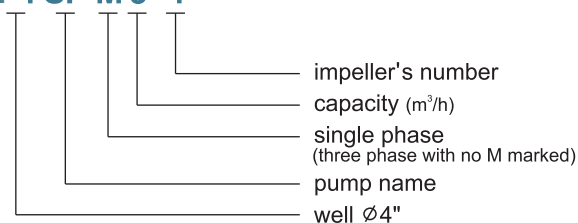
Warranty: 1 year

(according to our general sales conditions).



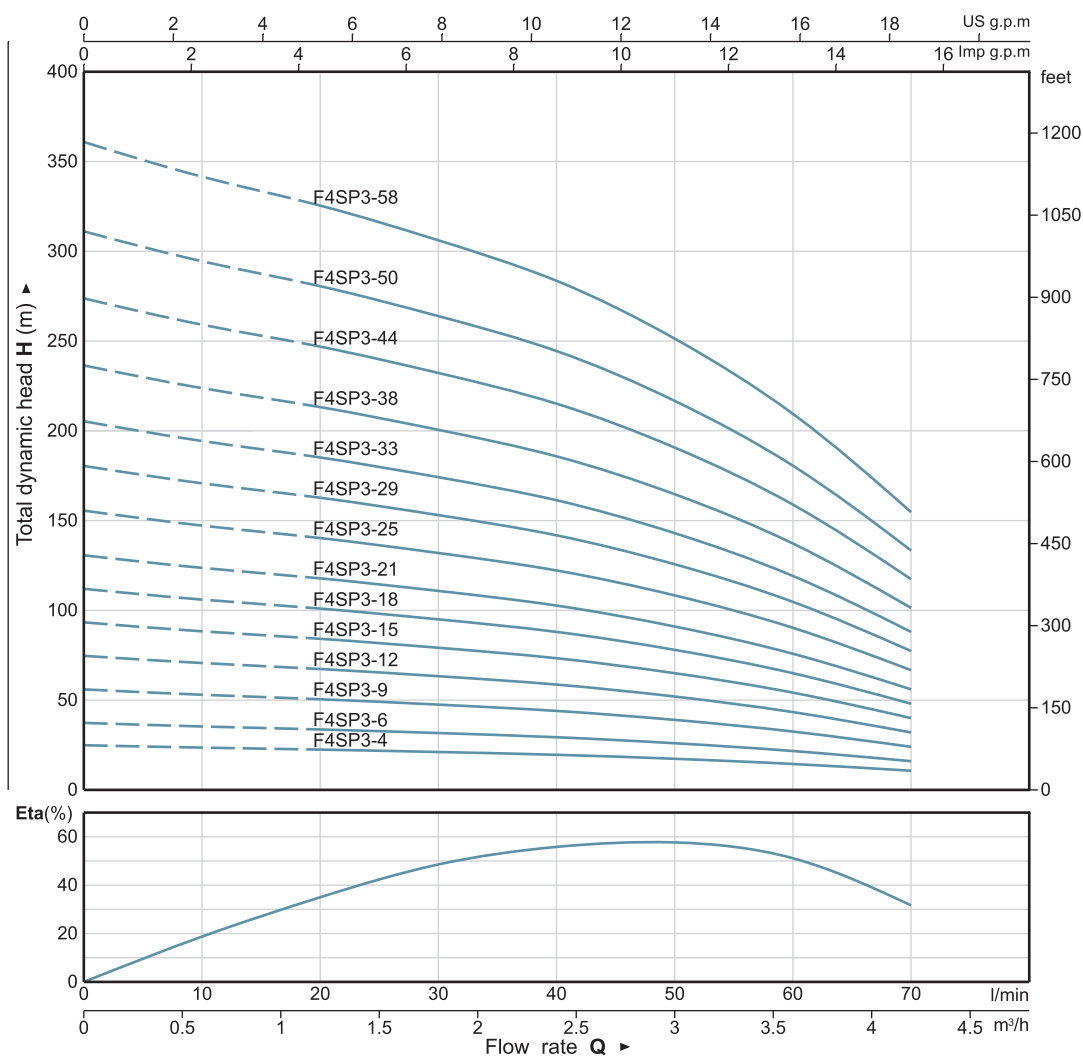
Components	Material
Pump external casing	①AISI 304 SS ②AISI 316 SS
Delivery casing	①AISI 304 SS ②AISI 316 SS
Suction lantern	①AISI 304 SS ②AISI 316 SS
Diffuser	①AISI 304 SS ②AISI 316 SS
Impeller	①AISI 304 SS ②AISI 316 SS
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

F4 SP M 3 -4



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
F4SPM3-4	F4SP3-4	1¼"/1½"	239	298	298	537	537	2.1	6.2	5.9	8.3	8.0
F4SPM3-6	F4SP3-6	1¼"/1½"	281	313	313	594	594	2.5	6.9	6.6	9.4	9.1
F4SPM3-9	F4SP3-9	1¼"/1½"	344	328	328	672	672	3.2	7.6	7.2	10.8	10.4
F4SPM3-12	F4SP3-12	1¼"/1½"	407	358	343	765	750	3.8	8.9	7.9	12.7	11.7
F4SPM3-15	F4SP3-15	1¼"/1½"	470	378	378	848	848	4.5	9.8	9.5	14.3	14.0
F4SPM3-18	F4SP3-18	1¼"/1½"	533	398	378	931	911	5.1	10.7	9.5	15.8	14.6
F4SPM3-21	F4SP3-21	1¼"/1½"	596	423	413	1019	1009	5.8	11.8	11.0	17.6	16.8
F4SPM3-25	F4SP3-25	1¼"/1½"	680	448	413	1128	1093	6.6	12.9	11.0	19.5	17.6
F4SPM3-29	F4SP3-29	1¼"/1½"	764	501	448	1265	1212	7.5	15.3	16.2	22.8	20.1
F4SPM3-33	F4SP3-33	1¼"/1½"	848	541	501	1389	1349	8.4	17.4	15.2	25.8	23.6
-	F4SP3-38	1¼"/1½"	953	-	526	-	1479	9.5	-	16.4	-	25.9
-	F4SP3-44	1¼"/1½"	1079	-	551	-	1630	10.8	-	17.7	-	28.5
-	F4SP3-50	1¼"/1½"	1205	-	581	-	1786	12.1	-	19.2	-	31.3
-	F4SP3-58	1¼"/1½"	1373	-	606	-	1989	13.8	-	20.9	-	34.7

- In the list: M(s) is single phase motor, M(T) is three phase motor.
- In the list: T(s) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY									
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	n≈2850 1/min								
					$\frac{\text{m}^3/\text{h}}{\text{l/min}}$	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2
						0	10	20	30	40	50	60	70
F4SPM3-4	F4SP3-4	0.25	0.33	H _(m)	25	24	22	21	20	20	17	14	11
F4SPM3-6	F4SP3-6	0.37	0.5		37	35	34	32	29	26	22	16	
F4SPM3-9	F4SP3-9	0.55	0.75		56	53	50	47	44	39	32	24	
F4SPM3-12	F4SP3-12	0.75	1		75	71	67	63	59	52	43	32	
F4SPM3-15	F4SP3-15	1.1	1.5		93	88	84	79	73	65	54	40	
F4SPM3-18	F4SP3-18	1.1	1.5		112	106	101	95	88	78	65	48	
F4SPM3-21	F4SP3-21	1.5	2		131	124	118	111	103	91	76	56	
F4SPM3-25	F4SP3-25	1.5	2		156	147	140	132	122	108	90	67	
F4SPM3-29	F4SP3-29	2.2	3		181	171	162	153	142	125	104	77	
F4SPM3-33	F4SP3-33	2.2	3		205	195	185	174	162	143	119	88	
-	F4SP3-38	3	4		237	224	213	200	186	164	137	102	
-	F4SP3-44	3	4		274	259	247	232	215	190	159	118	
-	F4SP3-50	4	5.5		311	295	280	264	245	216	180	134	
-	F4SP3-58	4	5.5		361	342	325	306	284	251	209	155	



F4SP 5

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

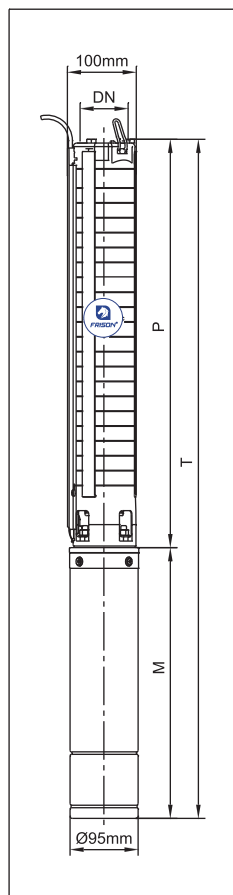
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

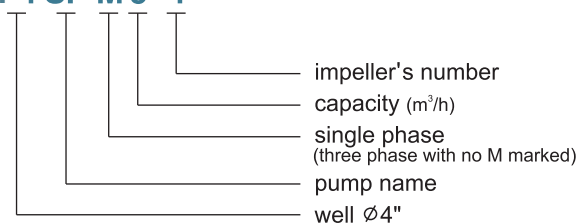
Warranty: 1 year

(according to our general sales conditions).



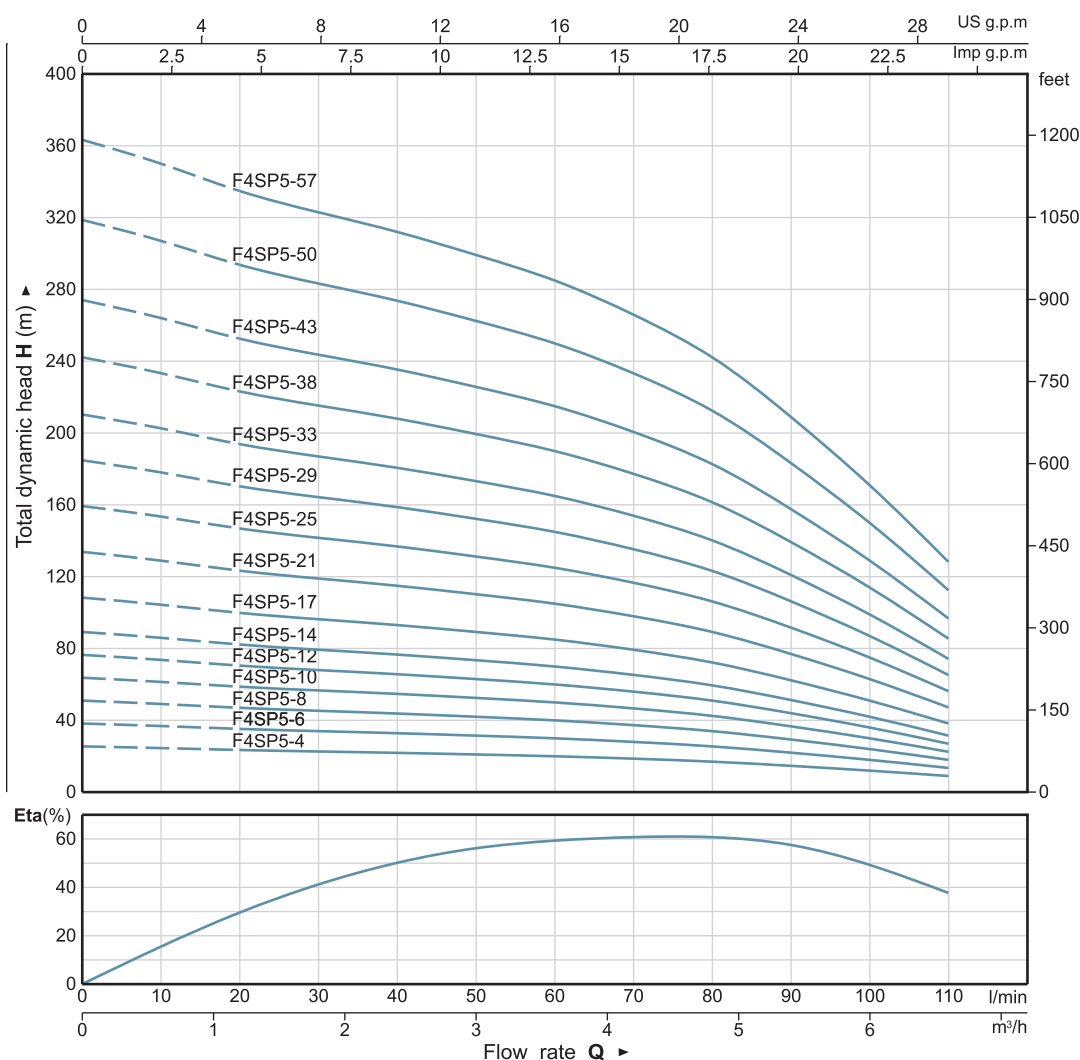
Components	Material
Pump external casing	①AISI 304 SS ②AISI 316 SS
Delivery casing	①AISI 304 SS ②AISI 316 SS
Suction lantern	①AISI 304 SS ②AISI 316 SS
Diffuser	①AISI 304 SS ②AISI 316 SS
Impeller	①AISI 304 SS ②AISI 316 SS
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4 SP M 5 -4



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SPM5-4	F4SP5-4	1¼"/1½"	251	313	313	564	564	2.2	6.9	6.6	9.1	8.8
F4SPM5-6	F4SP5-6	1¼"/1½"	299	328	328	627	627	2.6	7.6	7.2	10.2	9.8
F4SPM5-8	F4SP5-8	1¼"/1½"	347	358	343	705	690	3.1	8.9	7.9	12.0	11.0
F4SPM5-10	F4SP5-10	1¼"/1½"	395	378	378	773	773	3.5	9.8	9.5	13.3	13.0
F4SPM5-12	F4SP5-12	1¼"/1½"	443	398	378	841	821	4.0	10.7	9.5	14.7	13.5
F4SPM5-14	F4SP5-14	1¼"/1½"	491	423	413	914	904	4.4	11.8	11.0	16.2	15.4
F4SPM5-17	F4SP5-17	1¼"/1½"	563	448	413	1011	976	5.1	12.9	11.0	18.0	16.1
F4SPM5-21	F4SP5-21	1¼"/1½"	659	501	448	1160	1107	6.1	15.3	12.6	21.4	18.7
F4SPM5-25	F4SP5-25	1¼"/1½"	755	541	501	1296	1256	7.0	17.4	15.2	24.4	22.2
-	F4SP5-29	1¼"/1½"	851	-	526	-	1377	7.9	-	16.4	-	24.3
-	F4SP5-33	1¼"/1½"	947	-	551	-	1489	8.8	-	17.1	-	26.5
-	F4SP5-38	1¼"/1½"	1067	-	581	-	1648	10.0	-	19.2	-	29.2
-	F4SP5-43	1¼"/1½"	1187	-	616	-	1803	11.1	-	20.9	-	32.0
-	F4SP5-50	1¼"/1½"	1355	-	672	-	2027	12.7	-	22.9	-	35.6
-	F4SP5-57	1¼"/1½"	1523	-	712	-	2235	14.3	-	24.9	-	39.2

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY														n≈2850 1/min	
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6		
						0	10	20	30	40	50	60	70	80	90	100	110		
F4SPM5-4	F4SP5-4	0.37	0.5	H(m)		25	25	24	23	22	21	20	19	17	15	12	9		
F4SPM5-6	F4SP5-6	0.55	0.75			38	37	35	34	33	31	30	28	25	22	18	13		
F4SPM5-8	F4SP5-8	0.75	1			51	49	47	45	44	42	40	37	34	29	24	18		
F4SPM5-10	F4SP5-10	1.1	1.5			64	61	59	57	55	52	50	47	42	37	30	22		
F4SPM5-12	F4SP5-12	1.1	1.5			77	74	71	68	66	63	60	56	51	44	36	27		
F4SPM5-14	F4SP5-14	1.5	2			89	86	82	79	77	73	70	65	59	51	42	31		
F4SPM5-17	F4SP5-17	1.5	2			108	104	100	96	93	89	85	79	72	62	51	38		
F4SPM5-21	F4SP5-21	2.2	3			134	129	123	119	115	110	105	98	89	77	63	47		
F4SPM5-25	F4SP5-25	2.2	3			159	154	147	142	137	131	125	117	106	92	75	56		
-	F4SP5-29	3	4			185	178	170	164	159	152	145	135	123	106	87	65		
-	F4SP5-33	3	4			210	203	194	187	181	173	165	154	140	121	99	74		
-	F4SP5-38	4	5.5			242	233	223	215	208	199	190	177	161	139	114	85		
-	F4SP5-43	4	5.5			274	264	253	244	235	226	215	201	183	158	129	97		
-	F4SP5-50	5.5	7.5			318	307	294	283	274	262	250	233	212	183	150	112		
-	F4SP5-57	5.5	7.5			363	350	335	323	312	299	285	266	242	209	171	128		



F4SP 8

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.25%.
Maximum immersion : 80m.
Minimum well diameter : 4".

Motor and Pump

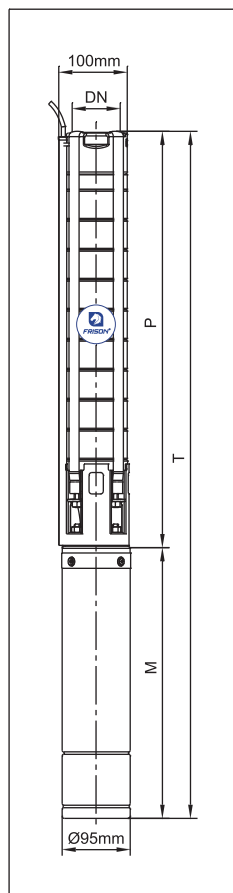
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

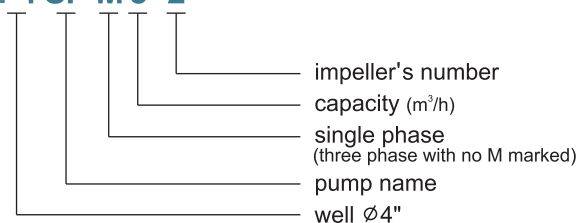
Warranty: 1 year

(according to our general sales conditions).



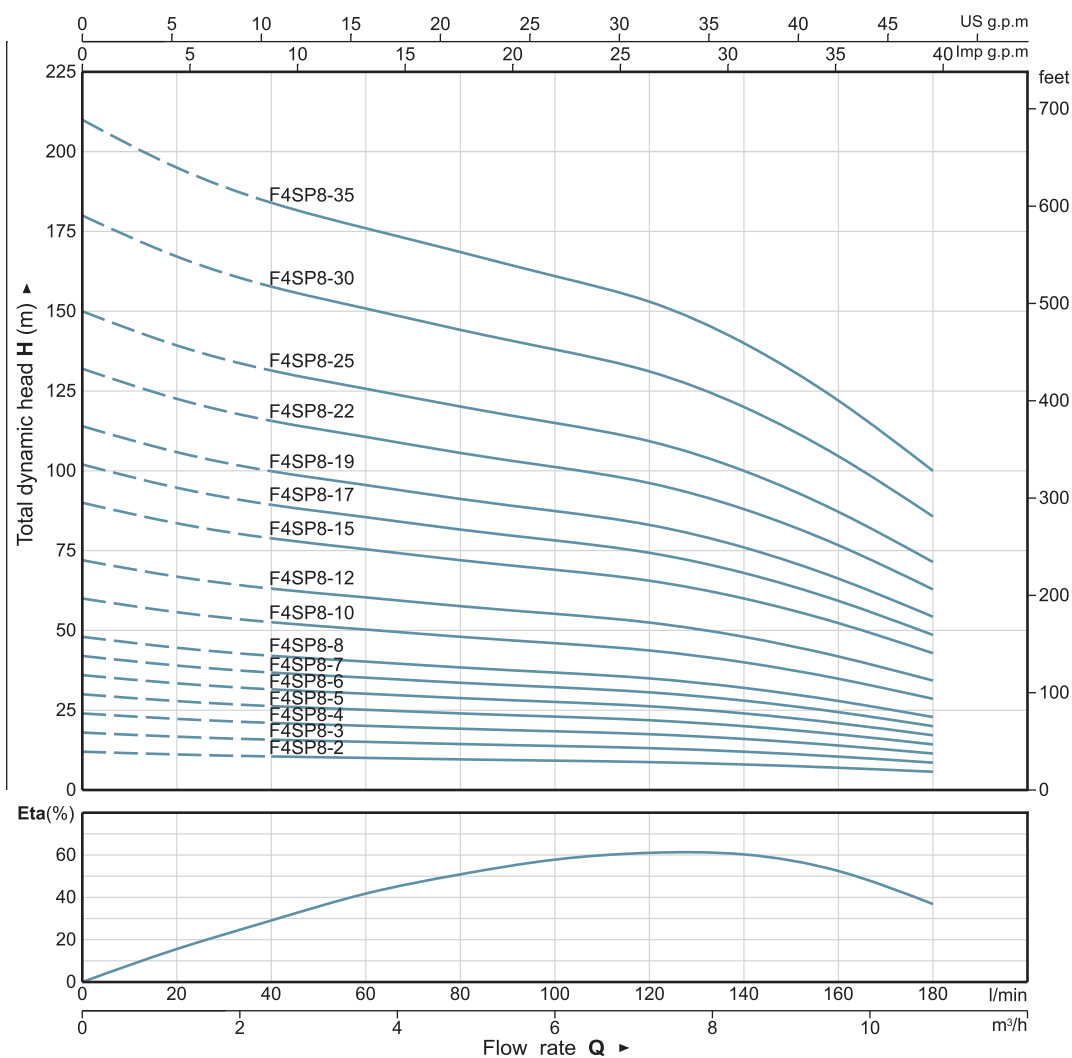
Components	Material
Pump external casing	①AISI 304 SS ②AISI 316 SS
Delivery casing	①AISI 304 SS ②AISI 316 SS
Suction lantern	①AISI 304 SS ②AISI 316 SS
Diffuser	①AISI 304 SS ②AISI 316 SS
Impeller	①AISI 304 SS ②AISI 316 SS
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F4 SP M 8 -2



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F4SPM8-2	F4SP8-2	1½"/2"	289	328	328	617	617	3.4	7.6	7.2	11.0	10.6
F4SPM8-3	F4SP8-3	1½"/2"	331	328	328	659	659	3.7	7.6	7.2	11.3	10.9
F4SPM8-4	F4SP8-4	1½"/2"	373	343	343	716	716	4.0	8.2	7.9	12.2	11.9
F4SPM8-5	F4SP8-5	1½"/2"	415	358	343	773	758	4.4	8.9	7.9	13.3	12.3
F4SPM8-6	F4SP8-6	1½"/2"	457	378	378	835	835	4.7	9.8	9.5	14.5	14.2
F4SPM8-7	F4SP8-7	1½"/2"	499	398	378	897	877	5.0	10.7	9.5	15.7	14.5
F4SPM8-8	F4SP8-8	1½"/2"	541	423	413	964	954	5.4	11.8	11.0	17.2	16.4
F4SPM8-10	F4SP8-10	1½"/2"	625	448	413	1073	1038	6.0	12.9	11.0	18.9	17.0
F4SPM8-12	F4SP8-12	1½"/2"	709	501	448	1210	1157	6.7	15.3	12.6	22.0	19.3
F4SPM8-15	F4SP8-15	1½"/2"	835	541	501	1376	1336	7.7	17.4	15.2	25.1	22.9
-	F4SP8-17	1½"/2"	919	-	526	-	1445	8.4	-	16.4	-	24.8
-	F4SP8-19	1½"/2"	1003	-	551	-	1554	9.0	-	17.7	-	26.7
-	F4SP8-22	1½"/2"	1129	-	581	-	1710	10.1	-	19.2	-	29.3
-	F4SP8-25	1½"/2"	1255	-	616	-	1871	11.1	-	20.9	-	32.0
-	F4SP8-30	1½"/2"	1465	-	672	-	2137	12.7	-	22.9	-	35.6
-	F4SP8-35	1½"/2"	1675	-	712	-	2387	14.4	-	24.9	-	39.3

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min														
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8			
					l/min	0	20	40	60	80	100	120	140	160	180			
F4SPM8-2	F4SP8-2	0.55	0.75	H(m)	12	11	11	10	10	9	9	8	7	6				
F4SPM8-3	F4SP8-3	0.55	0.75		18	17	16	15	14	14	13	12	10	9				
F4SPM8-4	F4SP8-4	0.75	1		24	22	21	20	19	18	17	16	14	11				
F4SPM8-5	F4SP8-5	0.75	1		30	28	26	25	24	23	22	20	17	14				
F4SPM8-6	F4SP8-6	1.1	1.5		36	33	32	30	29	28	26	24	21	17				
F4SPM8-7	F4SP8-7	1.1	1.5		42	39	37	35	34	32	31	28	24	20				
F4SPM8-8	F4SP8-8	1.5	2		48	45	42	40	38	37	35	32	28	23				
F4SPM8-10	F4SP8-10	1.5	2		60	56	53	50	48	46	44	40	35	29				
F4SPM8-12	F4SP8-12	2.2	3		72	67	63	60	58	55	52	48	42	34				
F4SPM8-15	F4SP8-15	2.2	3		90	84	79	75	72	69	66	60	52	43				
-	F4SP8-17	3	4		102	95	89	85	82	78	74	68	59	49				
-	F4SP8-19	3	4		114	106	100	96	91	87	83	76	66	54				
-	F4SP8-22	4	5.5		132	123	116	111	106	101	96	88	77	63				
-	F4SP8-25	4	5.5		150	139	131	126	120	115	109	100	87	71				
-	F4SP8-30	5.5	7.5		180	167	158	151	144	138	131	120	105	86				
-	F4SP8-35	5.5	7.5		210	195	184	176	168	161	153	140	122	100				



F6SD 15

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +35°C
Maximum sand content: 0.25%
Minimum well diameter: 6"

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

Equip with start control box or digital auto-control box

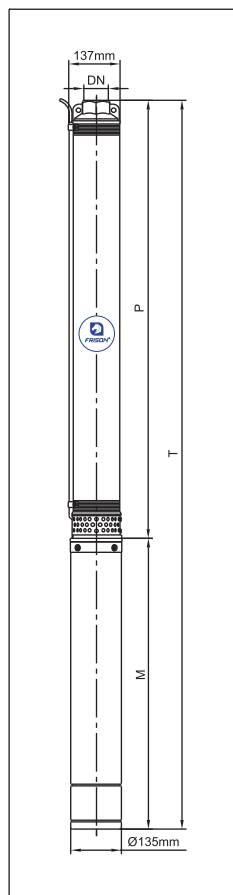
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60Hz
Single phase motor with built-in capacitor

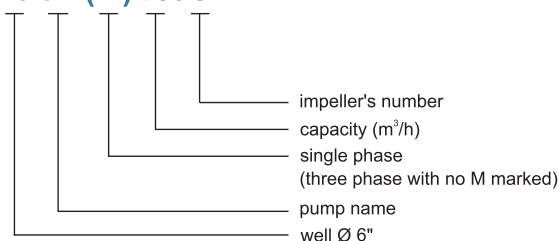
Warranty: 2 years

(according to our general sales conditions)



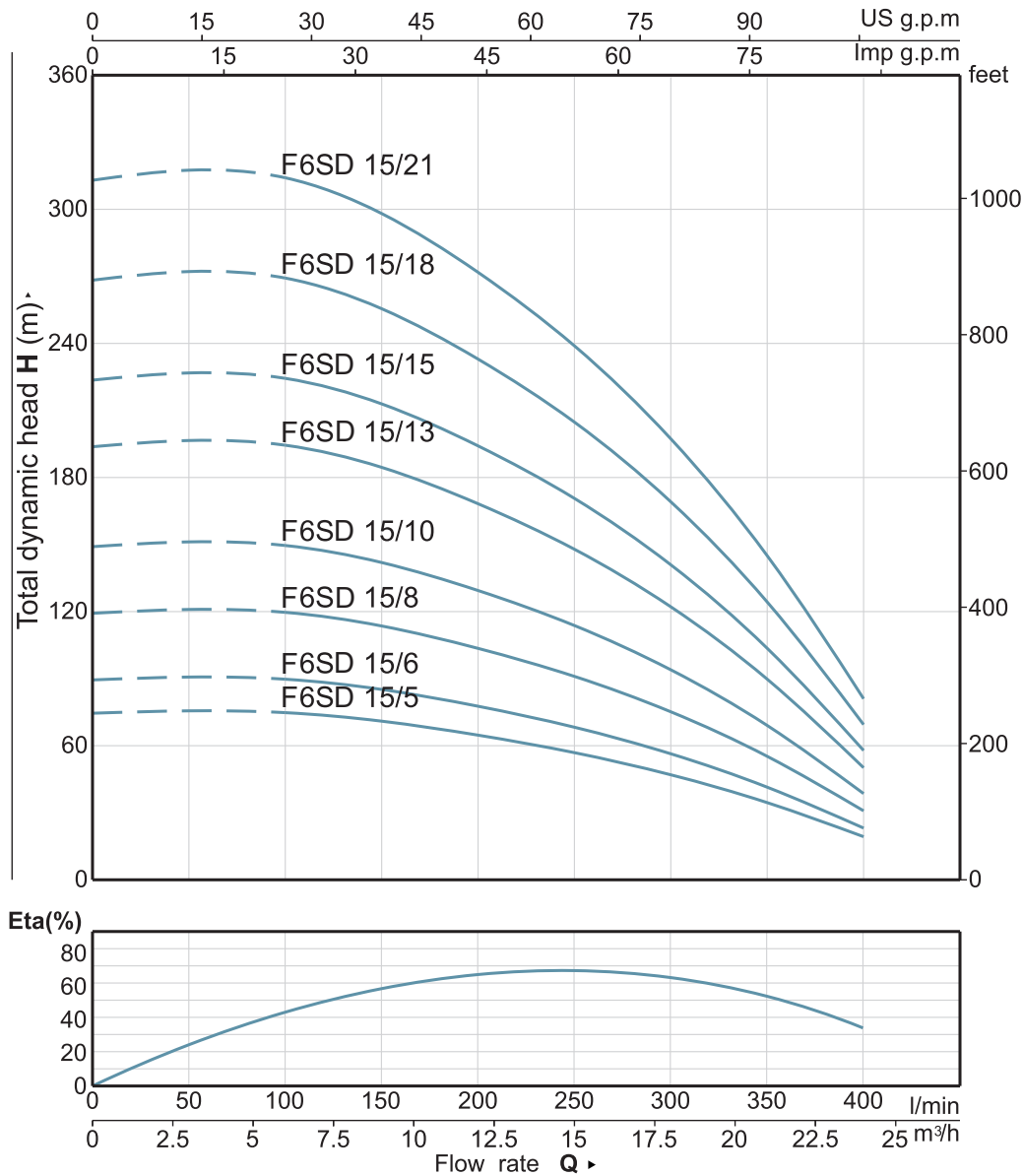
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F6 SD(M) 15/5



MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1~ 220 - 240V	3~ 380 - 415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SDM15/5	F6SD15/5	3"/4"	538	518	498	1056	1036	7.8	25.3	23.1	33.1	30.9
F6SDM15/6	F6SD15/6	3"/4"	575	558	538	1133	1113	8.4	29.0	27.6	37.4	36.0
F6SDM15/8	F6SD15/8	3"/4"	651	618	593	1269	1244	9.6	35.4	33.4	45.0	43.0
-	F6SD15/10	3"/4"	728	-	685	-	1413	10.8	-	40.2	-	51.0
-	F6SD15/13	3"/4"	842	-	760	-	1602	12.6	-	48.1	-	60.7
-	F6SD15/15	3"/4"	918	-	835	-	1753	13.8	-	55.2	-	69.0
-	F6SD15/18	3"/4"	1033	-	910	-	1943	15.6	-	62.7	-	78.3
-	F6SD15/21	3"/4"	1147	-	985	-	2132	17.4	-	70.4	-	87.8

- **M(S)** is single phase motor, **M(T)** is three phase motor.
- **T(S)** is single phase motor, **T(T)** is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY									
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	n≈2850 1/min								
				m³/h l/min	0	3	6	9	12	15	18	21	24
					0	50	100	150	200	250	300	350	400
F6SD M15/5	F6SD 15/5	3	4	H _(m)	75	76	75	70	65	57	47	35	19
F6SD M15/6	F6SD 15/6	4	5.5		89	91	90	84	78	69	57	41	23
F6SD M15/8	F6SD 15/8	5.5	7.5		119	121	120	112	104	91	75	55	31
-	F6SD 15/10	7.5	10		149	151	150	140	130	114	94	69	39
-	F6SD 15/13	9.2	12.5		194	197	194	183	168	149	123	90	50
-	F6SD 15/15	11	15		224	227	224	211	194	171	141	104	58
-	F6SD 15/18	13	17.5		268	273	269	253	233	206	170	124	69
-	F6SD 15/21	15	20		313	318	314	295	272	240	198	145	81



F6SD 25

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +35°C
Maximum sand content: 0.25%
Minimum well diameter: 6"

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

Equip with start control box or digital auto-control box

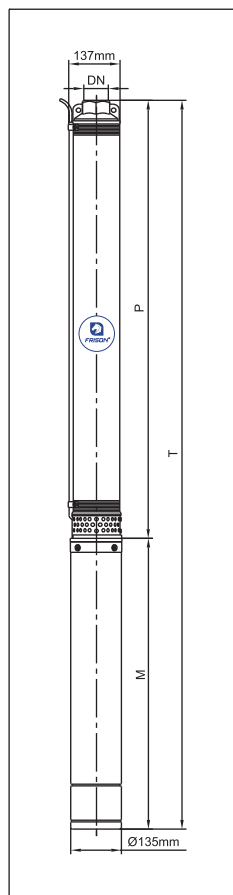
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60Hz
Single phase motor with built-in capacitor

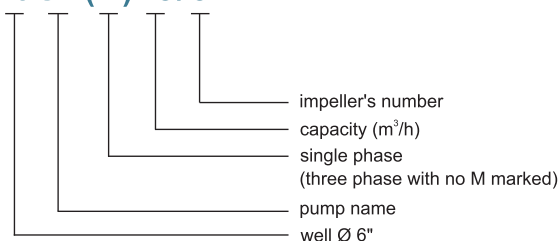
Warranty: 2 years

(according to our general sales conditions)



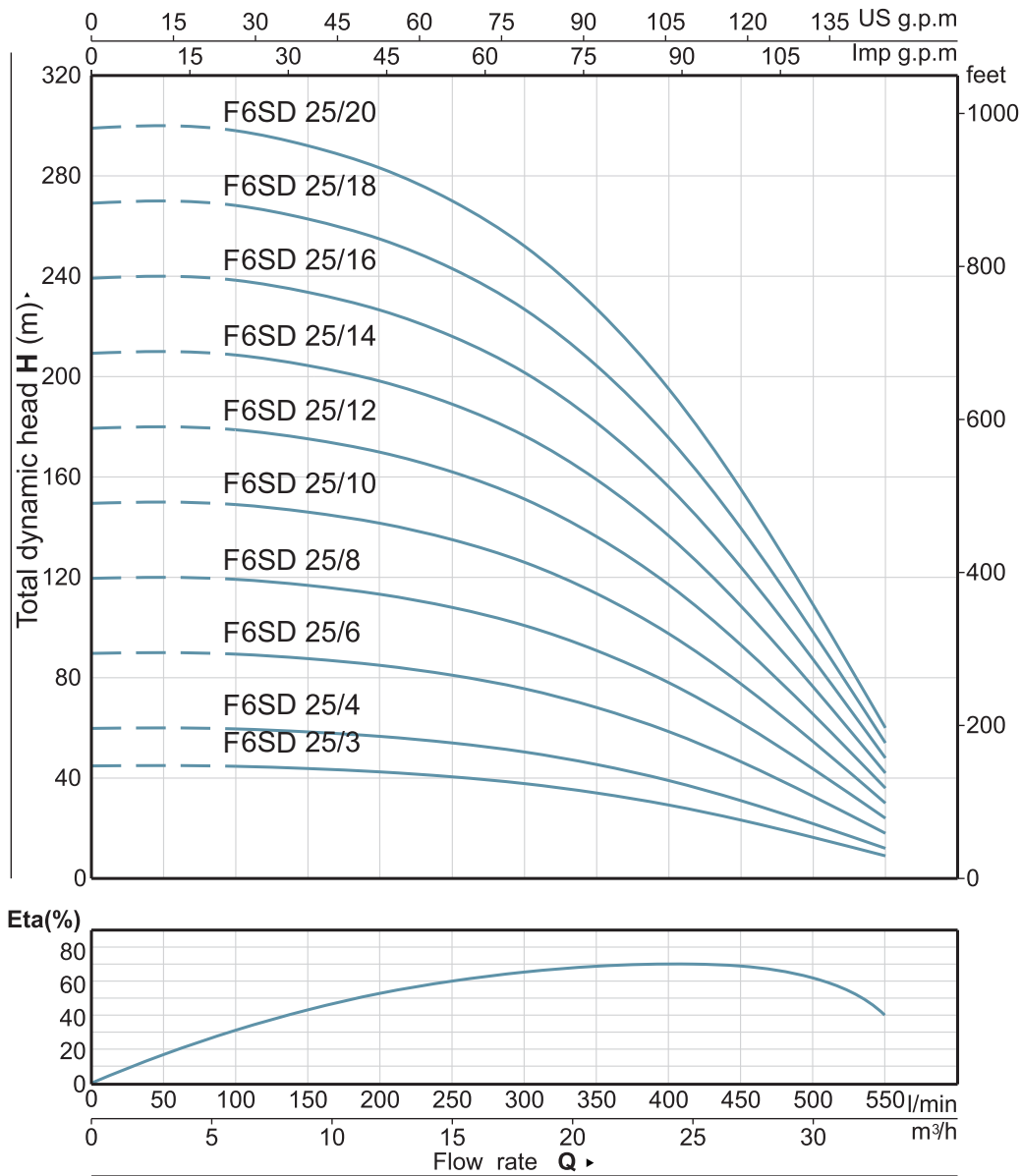
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

F6 SD (M) 25/3



MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1~ 220 - 240V	3~ 380 - 415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SDM25/3	F6SD25/3	3"/4"	489	518	498	1007	987	6.7	25.3	23.1	32.0	29.8
F6SDM25/4	F6SD25/4	3"/4"	536	558	538	1094	1074	7.5	29.0	27.6	32.8	35.1
F6SDM25/6	F6SD25/6	3"/4"	630	618	593	1248	1223	9.1	35.4	33.4	44.5	42.5
-	F6SD25/8	3"/4"	725	-	685	-	1410	10.7	-	40.2	-	50.9
-	F6SD25/10	3"/4"	819	-	760	-	1579	11.7	-	48.1	-	59.8
-	F6SD25/12	3"/4"	914	-	835	-	1749	13.3	-	55.2	-	68.5
-	F6SD25/14	3"/4"	1009	-	910	-	1919	14.5	-	62.7	-	77.2
-	F6SD25/16	3"/4"	1104	-	985	-	2089	16.1	-	70.4	-	86.5
-	F6SD25/18	3"/4"	1199	-	1135	-	2334	17.7	-	83.3	-	101.0
-	F6SD25/20	3"/4"	1294	-	1135	-	2429	19.3	-	83.3	-	102.6

- M(S) is single phase motor, M(T) is three phase motor.
- T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY													n≈2850 1/min	
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h	0	3	6	9	12	15	18	21	24	27	30	33	
					l/min	0	50	100	150	200	250	300	350	400	450	500	550	
F6SD M25/3	F6SD 25/3	3	4	H(m)	45	45	45	44	42	41	38	34	29	23	16	9		
F6SD M25/4	F6SD 25/4	4	5.5		60	60	60	58	56	54	50	45	39	30	22	12		
F6SD M25/6	F6SD 25/6	5.5	7.5		90	90	89	88	85	81	76	67	58	45	33	18		
-	F6SD 25/8	7.5	10		120	120	119	117	113	108	101	89	78	60	44	24		
-	F6SD 25/10	9.2	12.5		150	150	149	146	141	135	126	111	97	75	54	30		
-	F6SD 25/12	11	15		179	180	179	175	169	162	151	134	117	90	65	36		
-	F6SD 25/14	13	17.5		209	210	209	204	197	189	176	156	136	105	76	42		
-	F6SD 25/16	15	20		239	240	238	234	226	216	202	178	156	120	87	48		
-	F6SD 25/18	18.5	25		269	270	268	263	254	243	227	201	176	135	98	54		
-	F6SD 25/20	18.5	25		299	300	298	292	282	270	252	223	195	150	109	60		



F6SD 35

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +35°C
Maximum sand content: 0.25%
Minimum well diameter: 6"

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

Equip with start control box or digital auto-control box

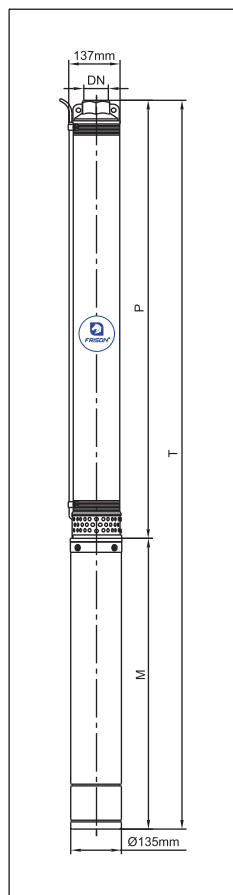
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60Hz
Single phase motor with built-in capacitor

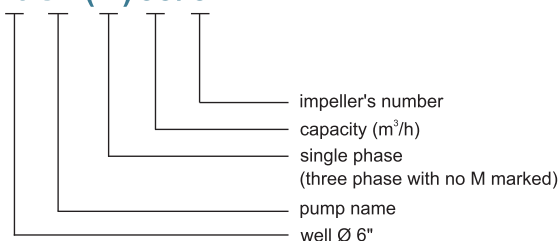
Warranty: 2 years

(according to our general sales conditions)



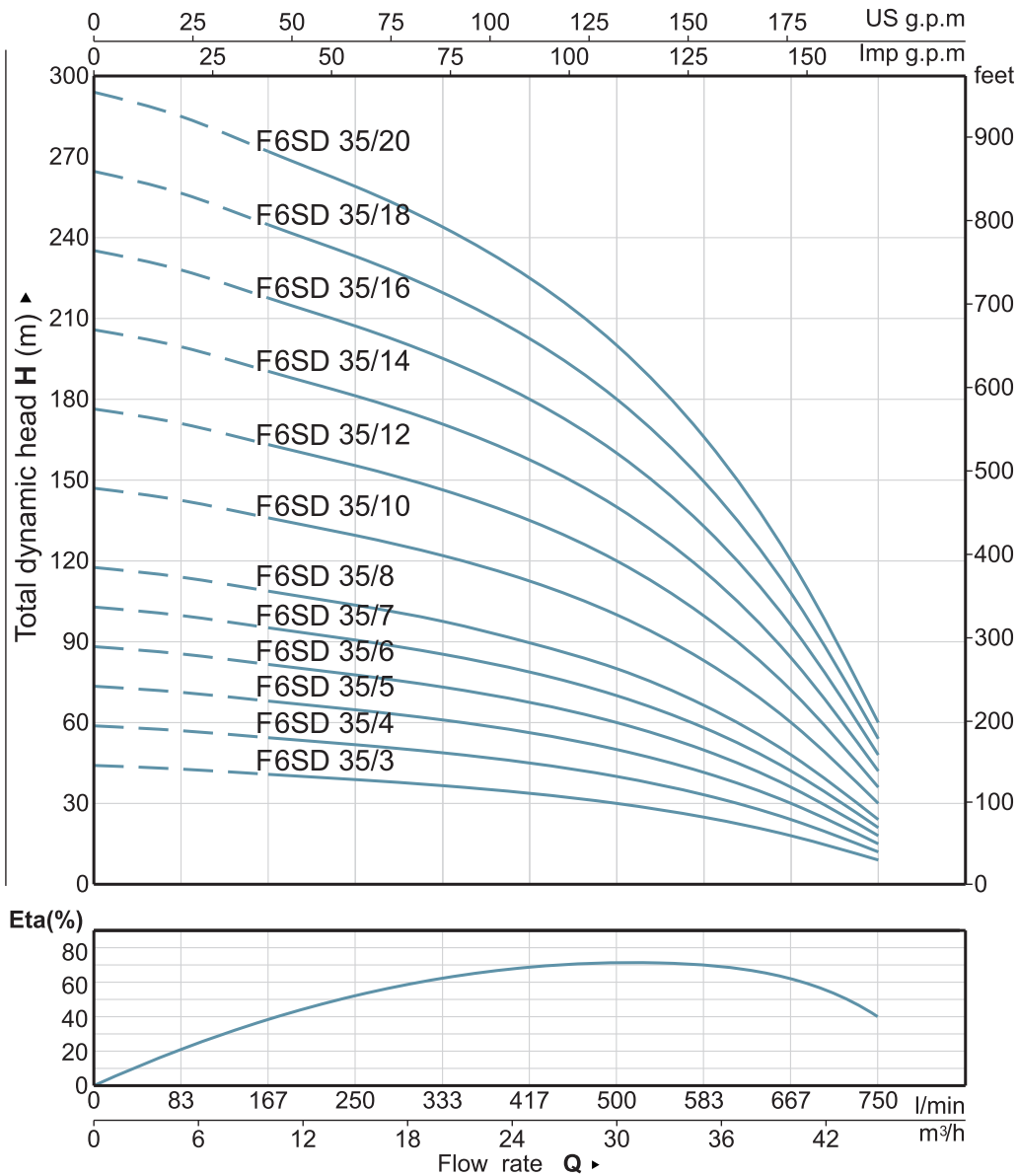
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

F6 SD(M) 35/3



MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1~ 220 - 240V	3~ 380 - 415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SDM35/3	F6SD35/3	3"/4"	463	558	538	1021	1001	7.1	29.0	27.6	36.1	34.7
F6SDM35/4	F6SD35/4	3"/4"	580	618	593	1198	1173	8.0	35.4	33.4	43.4	41.4
F6SDM35/5	F6SD35/5	3"/4"	638	618	593	1256	1231	8.9	35.4	33.4	44.3	42.3
-	F6SD35/6	3"/4"	695	-	685	-	1380	9.8	-	40.2	-	50.0
-	F6SD35/7	3"/4"	754	-	760	-	1514	10.7	-	48.1	-	58.8
-	F6SD35/8	3"/4"	812	-	835	-	1647	11.6	-	55.2	-	66.8
-	F6SD35/10	3"/4"	928	-	910	-	1838	12.9	-	62.7	-	75.6
-	F6SD35/12	3"/4"	1045	-	985	-	2030	14.7	-	70.4	-	85.1
-	F6SD35/14	3"/4"	1162	-	1135	-	2297	16.5	-	83.3	-	99.8
-	F6SD35/16	3"/4"	1279	-	1135	-	2414	18.3	-	83.3	-	101.6
-	F6SD35/18	3"/4"	1396	-	1235	-	2631	20.1	-	91.9	-	112.0
-	F6SD35/20	3"/4"	1513	-	1235	-	2748	21.9	-	91.9	-	113.8

- M(S) is single phase motor, M(T) is three phase motor.
- T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min										
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m³/h l/min	0	5	10	15	20	25	30	35	40	45
					0	83	167	250	333	417	500	583	667	750
F6SD M35/3	F6SD 35/3	4	5.5	H(m)	44	43	41	39	37	34	30	25	18	9
F6SD M35/4	F6SD 35/4	5.5	7.5		59	57	54	52	49	45	40	33	24	12
F6SD M35/5	F6SD 35/5	5.5	7.5		74	71	68	65	61	56	50	41	30	15
-	F6SD 35/6	7.5	10		88	86	82	78	73	67	60	50	36	18
-	F6SD 35/7	9.2	12.5		103	100	95	91	85	78	70	58	42	21
-	F6SD 35/8	11	15		118	114	109	104	98	90	80	66	48	24
-	F6SD 35/10	13	17.5		147	143	136	130	122	112	100	83	60	30
-	F6SD 35/12	15	20		176	171	163	155	146	134	120	100	72	36
-	F6SD 35/14	18.5	25		206	200	190	181	171	157	140	116	84	42
-	F6SD 35/16	18.5	25		235	228	218	207	195	179	160	133	96	48
-	F6SD 35/18	22	30		265	257	245	233	220	202	180	149	108	54
-	F6SD 35/20	22	30		294	285	272	259	244	224	200	166	120	60



F6SD 45

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +35°C
Maximum sand content: 0.25%
Minimum well diameter: 6"

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

Equip with start control box or digital auto-control box

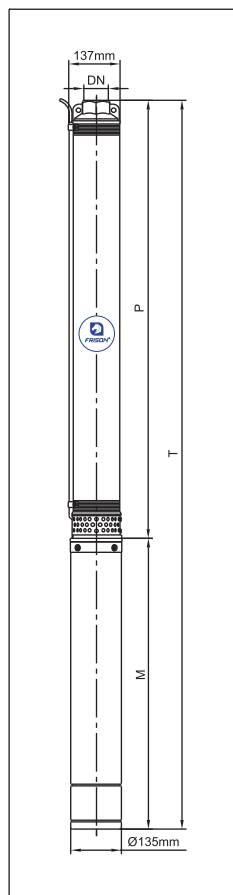
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60Hz
Single phase motor with built-in capacitor

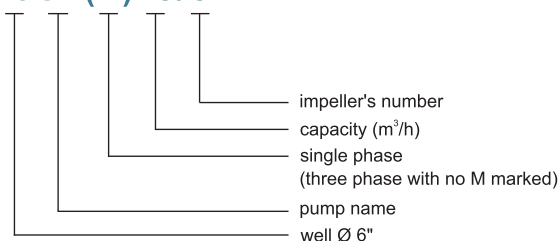
Warranty: 2 years

(according to our general sales conditions)



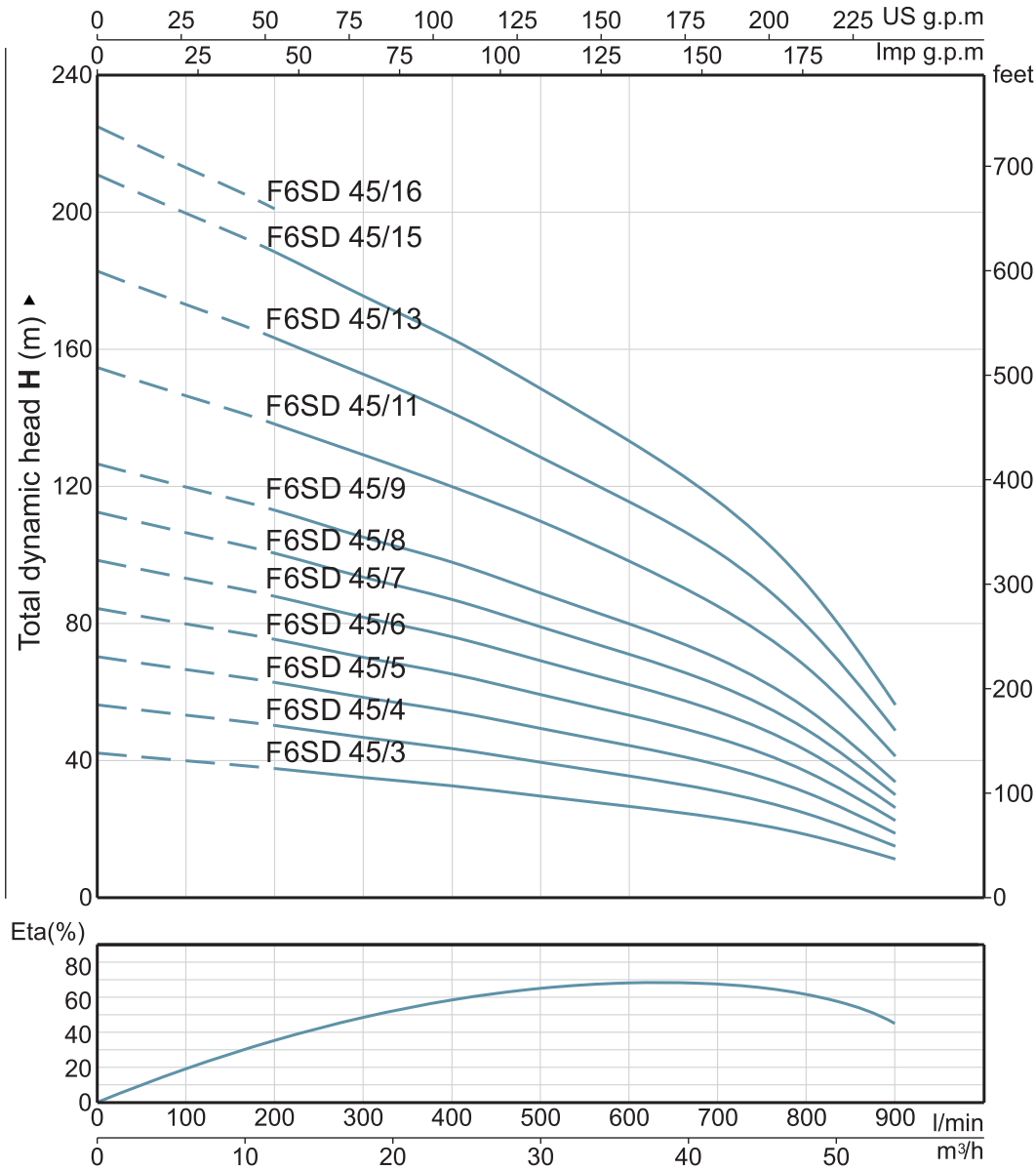
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

F6 SD(M) 45/3



MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1~ 220 - 240V	3~ 380 - 415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SDM45/3	F6SD45/3	3"/4"	554	618	593	1172	1147	7.6	35.4	33.4	43.0	41.0
-	F6SD45/4	3"/4"	623	-	685	-	1308	8.6	-	40.2	-	48.8
-	F6SD45/5	3"/4"	692	-	760	-	1452	9.6	-	48.1	-	57.7
-	F6SD45/6	3"/4"	761	-	835	-	1596	10.5	-	55.2	-	65.7
-	F6SD45/7	3"/4"	831	-	910	-	1741	11.5	-	62.7	-	74.2
-	F6SD45/8	3"/4"	900	-	910	-	1810	12.4	-	62.7	-	75.1
-	F6SD45/9	3"/4"	969	-	985	-	1954	13.3	-	70.4	-	83.7
-	F6SD45/11	3"/4"	1107	-	1135	-	2242	15.2	-	83.3	-	98.5
-	F6SD45/13	3"/4"	1245	-	1235	-	2480	17.3	-	91.9	-	109.2
-	F6SD45/15	3"/4"	1384	-	1385	-	2769	19.3	-	104.8	-	124.1
-	F6SD45/16	3"/4"	1453	-	1385	-	2838	20.0	-	104.8	-	124.8

- M(S) is single phase motor, M(T) is three phase motor.
- T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY										
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q	n≈2850 1/min									
				$\frac{m^3}{h}$ $\frac{l}{min}$	0	6	12	18	24	30	36	42	48	54
					0	100	200	300	400	500	600	700	800	900
F6SD M45/3	F6SD 45/3	5.5	7.5	H(m)	42	40	38	35	33	30	27	23	18	11
-	F6SD 45/4	7.5	10		56	53	50	47	44	40	36	31	25	15
-	F6SD 45/5	9.2	12.5		70	67	63	58	54	49	44	39	31	19
-	F6SD 45/6	11	15		84	80	75	70	65	59	53	47	37	23
-	F6SD 45/7	13	17.5		98	93	88	82	76	69	62	54	43	26
-	F6SD 45/8	13	17.5		113	107	101	94	87	79	71	62	49	30
-	F6SD 45/9	15	20		127	120	113	105	98	89	80	70	55	34
-	F6SD 45/11	18.5	25		155	146	138	129	120	109	98	85	67	41
-	F6SD 45/13	22	30		183	173	163	152	141	128	115	101	80	49
-	F6SD 45/15	26	35		211	200	188	175	163	148	133	116	92	56
-	F6SD 45/16	26	35		225	213	201	187	174	158	142	124	98	60



F6SS 15

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +35°C
Maximum sand content: 0.25%
Minimum well diameter: 6"

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

Equip with start control box or digital auto-control box

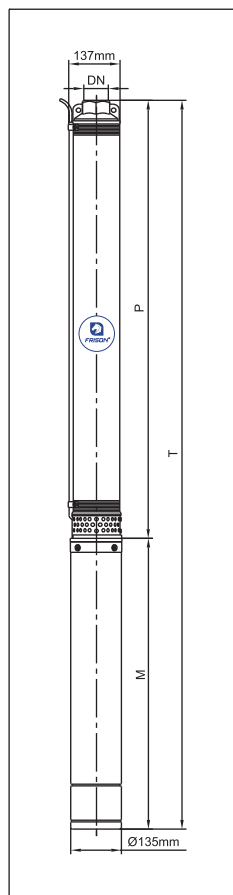
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60Hz
Single phase motor with built-in capacitor

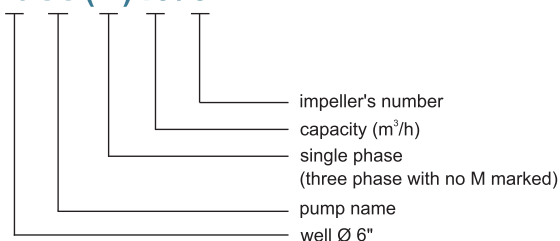
Warranty: 2 years

(according to our general sales conditions)



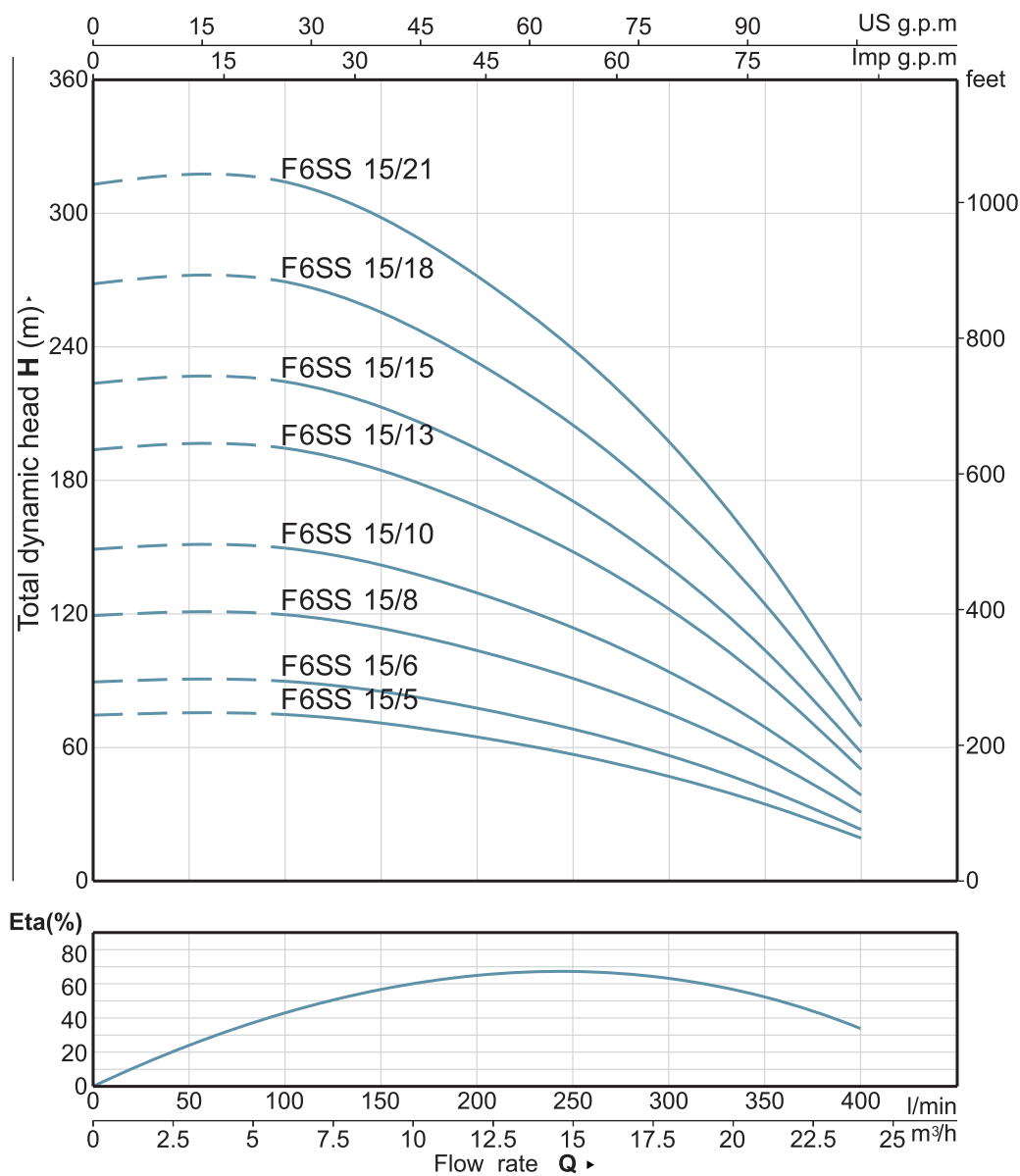
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F6 SS (M) 15 / 5



MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1~ 220 - 240V	3~ 380 - 415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SSM15/5	F6SS15/5	3"/4"	538	518	498	1056	1036	7.8	25.3	23.1	33.1	30.9
F6SSM15/6	F6SS15/6	3"/4"	575	558	538	1133	1113	8.4	29.0	27.6	37.4	36.0
F6SSM15/8	F6SS15/8	3"/4"	651	618	593	1269	1244	9.6	35.4	33.4	45.0	43.0
-	F6SS15/10	3"/4"	728	-	685	-	1413	10.8	-	40.2	-	51.0
-	F6SS15/13	3"/4"	842	-	760	-	1602	12.6	-	48.1	-	60.7
-	F6SS15/15	3"/4"	918	-	835	-	1753	13.8	-	55.2	-	69.0
-	F6SS15/18	3"/4"	1033	-	910	-	1943	15.6	-	62.7	-	78.3
-	F6SS15/21	3"/4"	1147	-	985	-	2132	17.4	-	70.4	-	87.8

- **M(S)** is single phase motor, **M(T)** is three phase motor.
- **T(S)** is single phase motor, **T(T)** is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY									
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	n≈2850 1/min								
				m³/h l/min	0	3	6	9	12	15	18	21	24
					0	50	100	150	200	250	300	350	400
F6SS M15/5	F6SS 15/5	3	4	H _(m)	75	76	75	70	65	57	47	35	19
F6SS M15/6	F6SS 15/6	4	5.5		89	91	90	84	78	69	57	41	23
F6SS M15/8	F6SS 15/8	5.5	7.5		119	121	120	112	104	91	75	55	31
-	F6SS 15/10	7.5	10		149	151	150	140	130	114	94	69	39
-	F6SS 15/13	9.2	12.5		194	197	194	183	168	149	123	90	50
-	F6SS 15/15	11	15		224	227	224	211	194	171	141	104	58
-	F6SS 15/18	13	17.5		268	273	269	253	233	206	170	124	69
-	F6SS 15/21	15	20		313	318	314	295	272	240	198	145	81



F6SS 25

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +35°C
Maximum sand content: 0.25%
Minimum well diameter: 6"

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

Equip with start control box or digital auto-control box

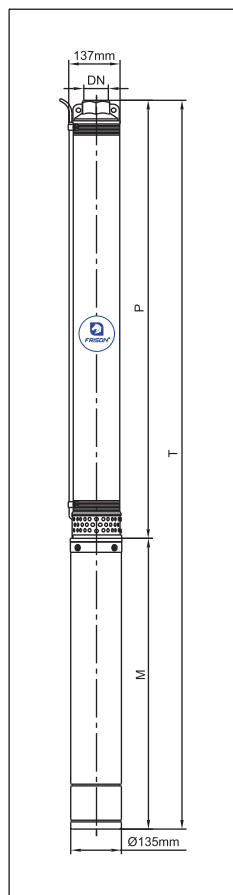
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60Hz
Single phase motor with built-in capacitor

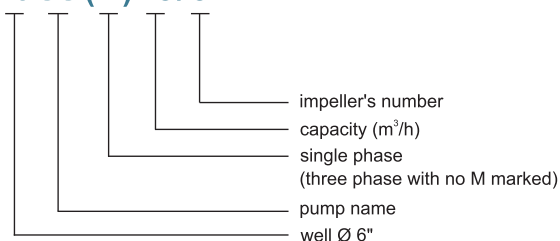
Warranty: 2 years

(according to our general sales conditions)



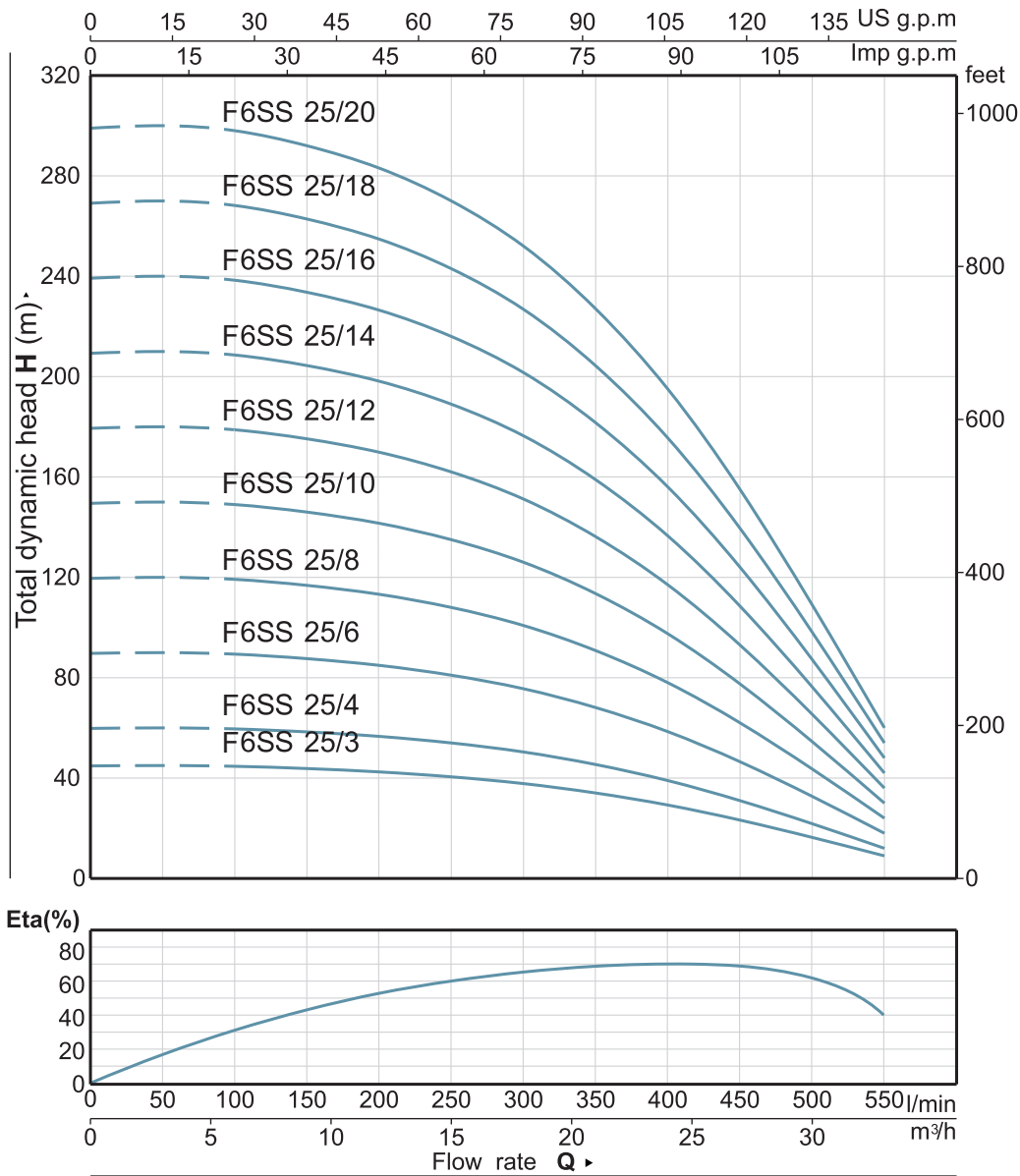
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

F6 SS (M) 25/3



MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1~ 220 - 240V	3~ 380 - 415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SSM25/3	F6SS25/3	3"/4"	489	518	498	1007	987	6.7	25.3	23.1	32.0	29.8
F6SSM25/4	F6SS25/4	3"/4"	536	558	538	1094	1074	7.5	29.0	27.6	32.8	35.1
F6SSM25/6	F6SS25/6	3"/4"	630	618	593	1248	1223	9.1	35.4	33.4	44.5	42.5
-	F6SS25/8	3"/4"	725	-	685	-	1410	10.7	-	40.2	-	50.9
-	F6SS25/10	3"/4"	819	-	760	-	1579	11.7	-	48.1	-	59.8
-	F6SS25/12	3"/4"	914	-	835	-	1749	13.3	-	55.2	-	68.5
-	F6SS25/14	3"/4"	1009	-	910	-	1919	14.5	-	62.7	-	77.2
-	F6SS25/16	3"/4"	1104	-	985	-	2089	16.1	-	70.4	-	86.5
-	F6SS25/18	3"/4"	1199	-	1135	-	2334	17.7	-	83.3	-	101.0
-	F6SS25/20	3"/4"	1294	-	1135	-	2429	19.3	-	83.3	-	102.6

- M(S) is single phase motor, M(T) is three phase motor.
- T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY														n≈2850 1/min	
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h l/min	0	3	6	9	12	15	18	21	24	27	30	33		
						0	50	100	150	200	250	300	350	400	450	500	550		
F6SS M25/3	F6SS 25/3	3	4	H(m)		45	45	45	44	42	41	38	34	29	23	16	9		
F6SS M25/4	F6SS 25/4	4	5.5			60	60	60	58	56	54	50	45	39	30	22	12		
F6SS M25/6	F6SS 25/6	5.5	7.5			90	90	89	88	85	81	76	67	58	45	33	18		
-	F6SS 25/8	7.5	10			120	120	119	117	113	108	101	89	78	60	44	24		
-	F6SS 25/10	9.2	12.5			150	150	149	146	141	135	126	111	97	75	54	30		
-	F6SS 25/12	11	15			179	180	179	175	169	162	151	134	117	90	65	36		
-	F6SS 25/14	13	17.5			209	210	209	204	197	189	176	156	136	105	76	42		
-	F6SS 25/16	15	20			239	240	238	234	226	216	202	178	156	120	87	48		
-	F6SS 25/18	18.5	25			269	270	268	263	254	243	227	201	176	135	98	54		
-	F6SS 25/20	18.5	25			299	300	298	292	282	270	252	223	195	150	109	60		



F6SS 35

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +35°C
Maximum sand content: 0.25%
Minimum well diameter: 6"

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

Equip with start control box or digital auto-control box

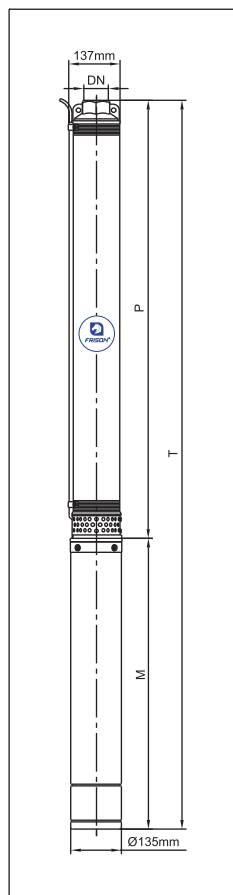
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60Hz
Single phase motor with built-in capacitor

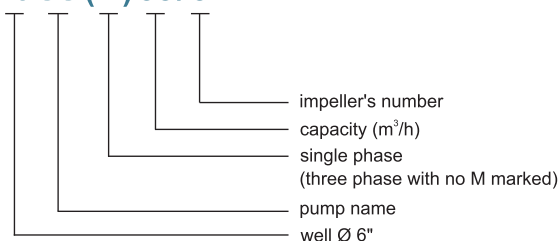
Warranty: 2 years

(according to our general sales conditions)



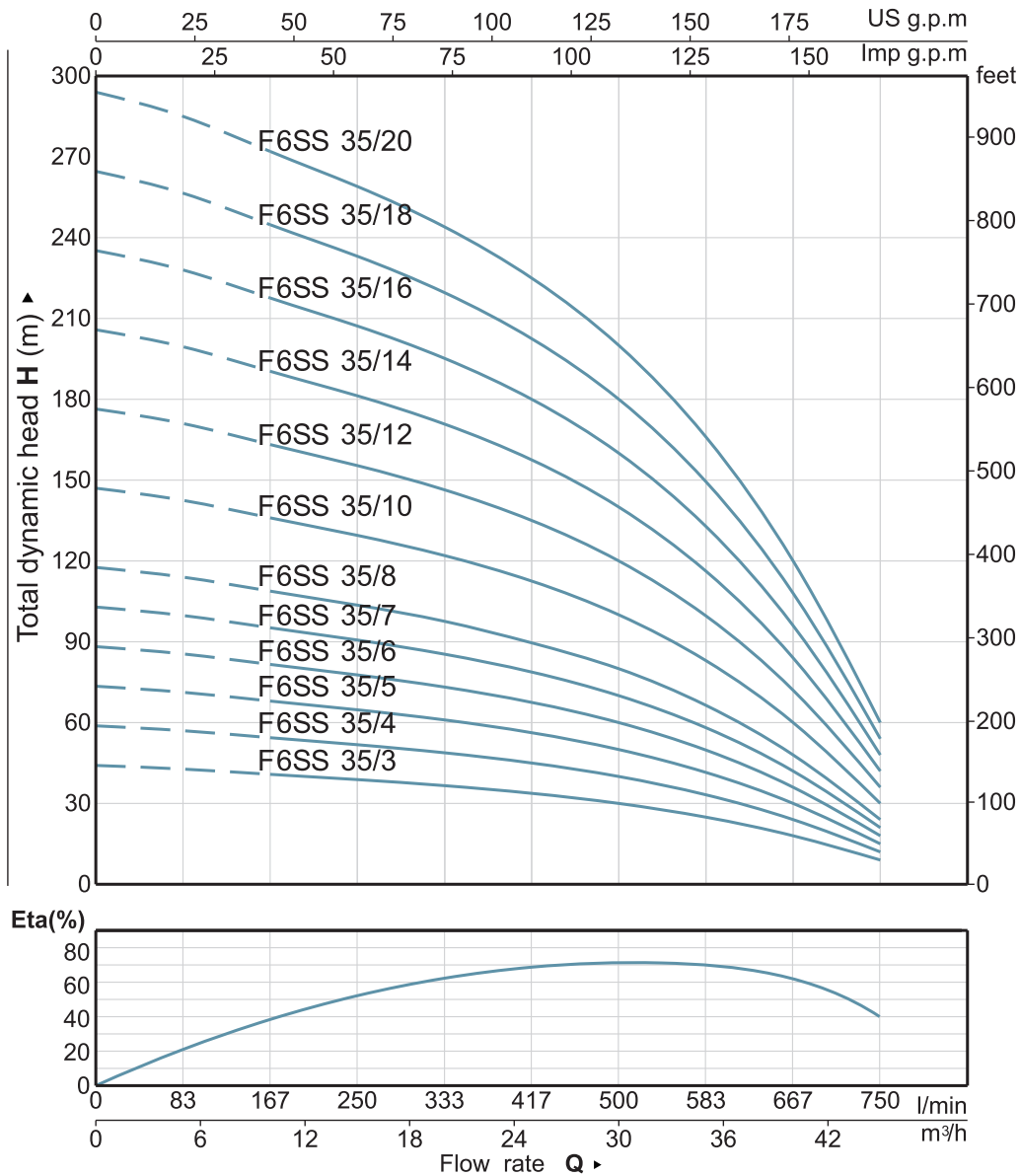
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

F6 SS (M) 35/3



MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1~ 220 - 240V	3~ 380 - 415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SSM35/3	F6SS35/3	3"/4"	463	558	538	1021	1001	7.1	29.0	27.6	36.1	34.7
F6SSM35/4	F6SS35/4	3"/4"	580	618	593	1198	1173	8.0	35.4	33.4	43.4	41.4
F6SSM35/5	F6SS35/5	3"/4"	638	618	593	1256	1231	8.9	35.4	33.4	44.3	42.3
-	F6SS35/6	3"/4"	695	-	685	-	1380	9.8	-	40.2	-	50.0
-	F6SS35/7	3"/4"	754	-	760	-	1514	10.7	-	48.1	-	58.8
-	F6SS35/8	3"/4"	812	-	835	-	1647	11.6	-	55.2	-	66.8
-	F6SS35/10	3"/4"	928	-	910	-	1838	12.9	-	62.7	-	75.6
-	F6SS35/12	3"/4"	1045	-	985	-	2030	14.7	-	70.4	-	85.1
-	F6SS35/14	3"/4"	1162	-	1135	-	2297	16.5	-	83.3	-	99.8
-	F6SS35/16	3"/4"	1279	-	1135	-	2414	18.3	-	83.3	-	101.6
-	F6SS35/18	3"/4"	1396	-	1235	-	2631	20.1	-	91.9	-	112.0
-	F6SS35/20	3"/4"	1513	-	1235	-	2748	21.9	-	91.9	-	113.8

- M(S) is single phase motor, M(T) is three phase motor.
- T(S) is single phase motor, T(T) is three phase motor.


PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min										
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q	0	5	10	15	20	25	30	35	40	45
				$\frac{m^3}{h}$ l/min	0	83	167	250	333	417	500	583	667	750
F6SS M35/3	F6SS 35/3	4	5.5	H(m)	44	43	41	39	37	34	30	25	18	9
F6SS M35/4	F6SS 35/4	5.5	7.5		59	57	54	52	49	45	40	33	24	12
F6SS M35/5	F6SS 35/5	5.5	7.5		74	71	68	65	61	56	50	41	30	15
-	F6SS 35/6	7.5	10		88	86	82	78	73	67	60	50	36	18
-	F6SS 35/7	9.2	12.5		103	100	95	91	85	78	70	58	42	21
-	F6SS 35/8	11	15		118	114	109	104	98	90	80	66	48	24
-	F6SS 35/10	13	17.5		147	143	136	130	122	112	100	83	60	30
-	F6SS 35/12	15	20		176	171	163	155	146	134	120	100	72	36
-	F6SS 35/14	18.5	25		206	200	190	181	171	157	140	116	84	42
-	F6SS 35/16	18.5	25		235	228	218	207	195	179	160	133	96	48
-	F6SS 35/18	22	30		265	257	245	233	220	202	180	149	108	54
-	F6SS 35/20	22	30		294	285	272	259	244	224	200	166	120	60



F6SS 45

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +35°C
Maximum sand content: 0.25%
Minimum well diameter: 6"

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

Equip with start control box or digital auto-control box

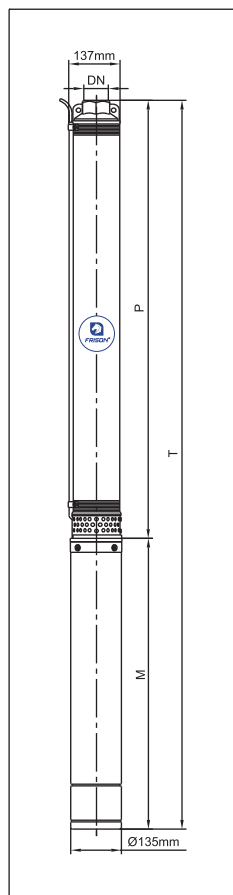
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60Hz
Single phase motor with built-in capacitor

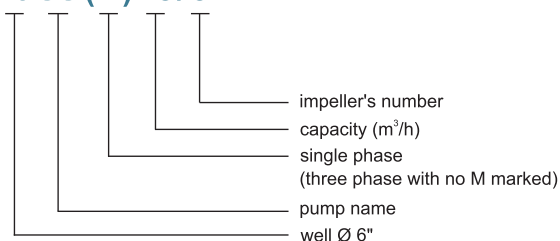
Warranty: 2 years

(according to our general sales conditions)



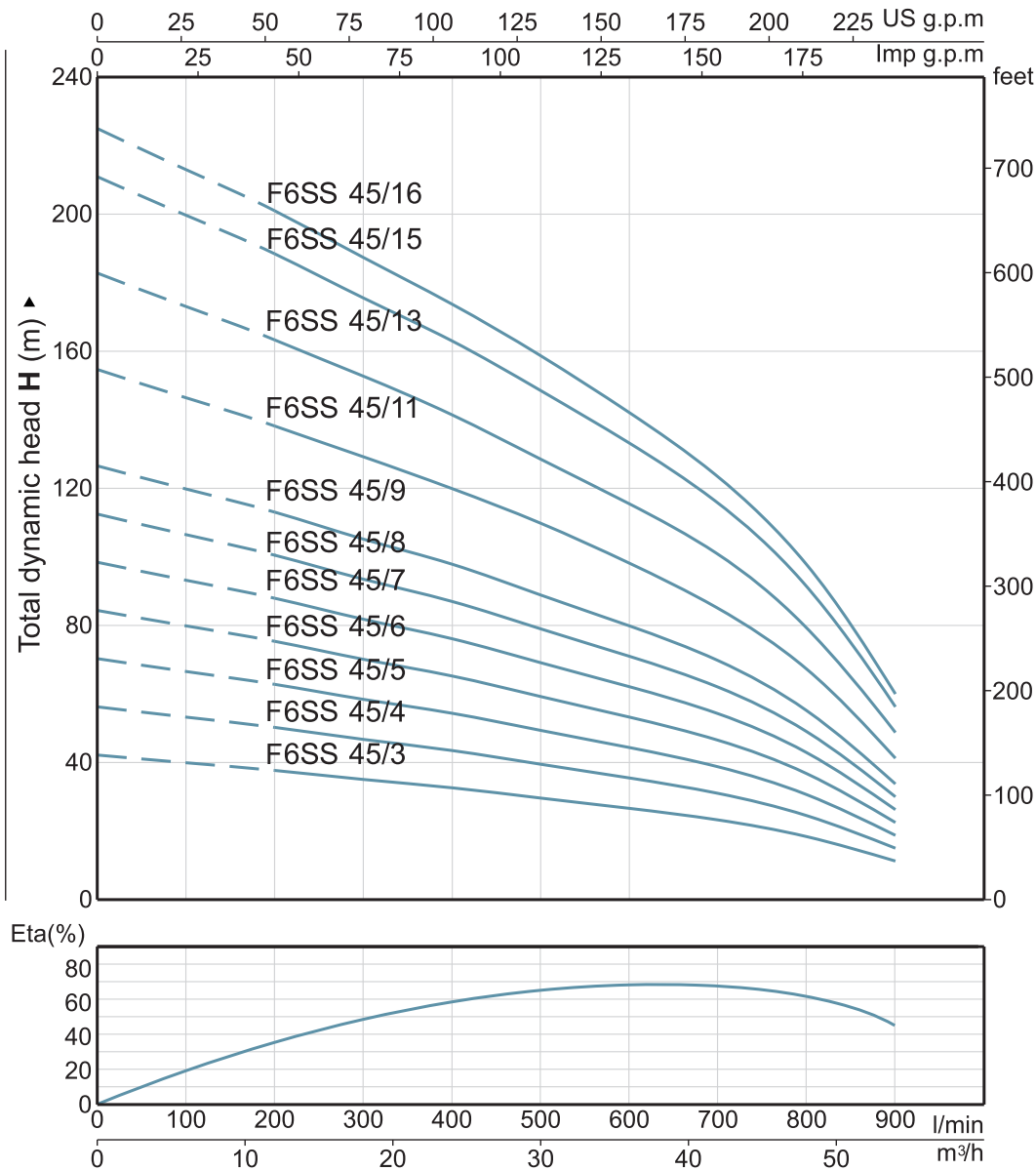
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

F6 SS (M) 45/3



MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1~ 220 - 240V	3~ 380 - 415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SSM45/3	F6SS45/3	3"/4"	554	618	593	1172	1147	7.6	35.4	33.4	43.0	41.0
-	F6SS45/4	3"/4"	623	-	685	-	1308	8.6	-	40.2	-	48.8
-	F6SS45/5	3"/4"	692	-	760	-	1452	9.6	-	48.1	-	57.7
-	F6SS45/6	3"/4"	761	-	835	-	1596	10.5	-	55.2	-	65.7
-	F6SS45/7	3"/4"	831	-	910	-	1741	11.5	-	62.7	-	74.2
-	F6SS45/8	3"/4"	900	-	910	-	1810	12.4	-	62.7	-	75.1
-	F6SS45/9	3"/4"	969	-	985	-	1954	13.3	-	70.4	-	83.7
-	F6SS45/11	3"/4"	1107	-	1135	-	2242	15.2	-	83.3	-	98.5
-	F6SS45/13	3"/4"	1245	-	1235	-	2480	17.3	-	91.9	-	109.2
-	F6SS45/15	3"/4"	1384	-	1385	-	2769	19.3	-	104.8	-	124.1
-	F6SS45/16	3"/4"	1453	-	1385	-	2838	20.0	-	104.8	-	124.8

- M(S) is single phase motor, M(T) is three phase motor.
- T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY										
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q	n≈2850 1/min									
				$\frac{m^3}{h}$ l/min	0	6	12	18	24	30	36	42	48	54
					0	100	200	300	400	500	600	700	800	900
F6SS M45/3	F6SS 45/3	5.5	7.5	H(m)	42	40	38	35	33	30	27	23	18	11
-	F6SS 45/4	7.5	10		56	53	50	47	44	40	36	31	25	15
-	F6SS 45/5	9.2	12.5		70	67	63	58	54	49	44	39	31	19
-	F6SS 45/6	11	15		84	80	75	70	65	59	53	47	37	23
-	F6SS 45/7	13	17.5		98	93	88	82	76	69	62	54	43	26
-	F6SS 45/8	13	17.5		113	107	101	94	87	79	71	62	49	30
-	F6SS 45/9	15	20		127	120	113	105	98	89	80	70	55	34
-	F6SS 45/11	18.5	25		155	146	138	129	120	109	98	85	67	41
-	F6SS 45/13	22	30		183	173	163	152	141	128	115	101	80	49
-	F6SS 45/15	26	35		211	200	188	175	163	148	133	116	92	56
-	F6SS 45/16	26	35		225	213	201	187	174	158	142	124	98	60



F6SP 17

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.25%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

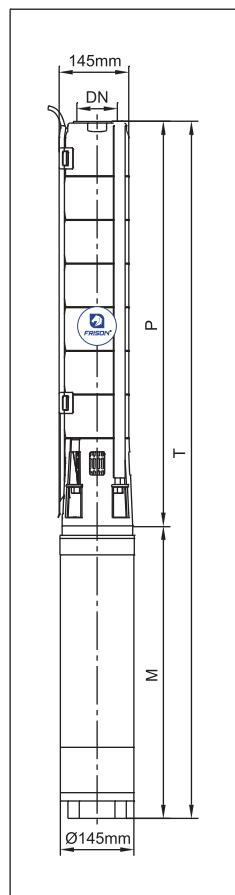
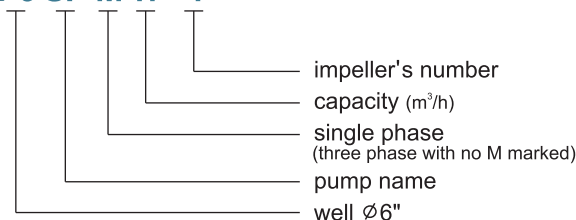
Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 1 year

(according to our general sales conditions).

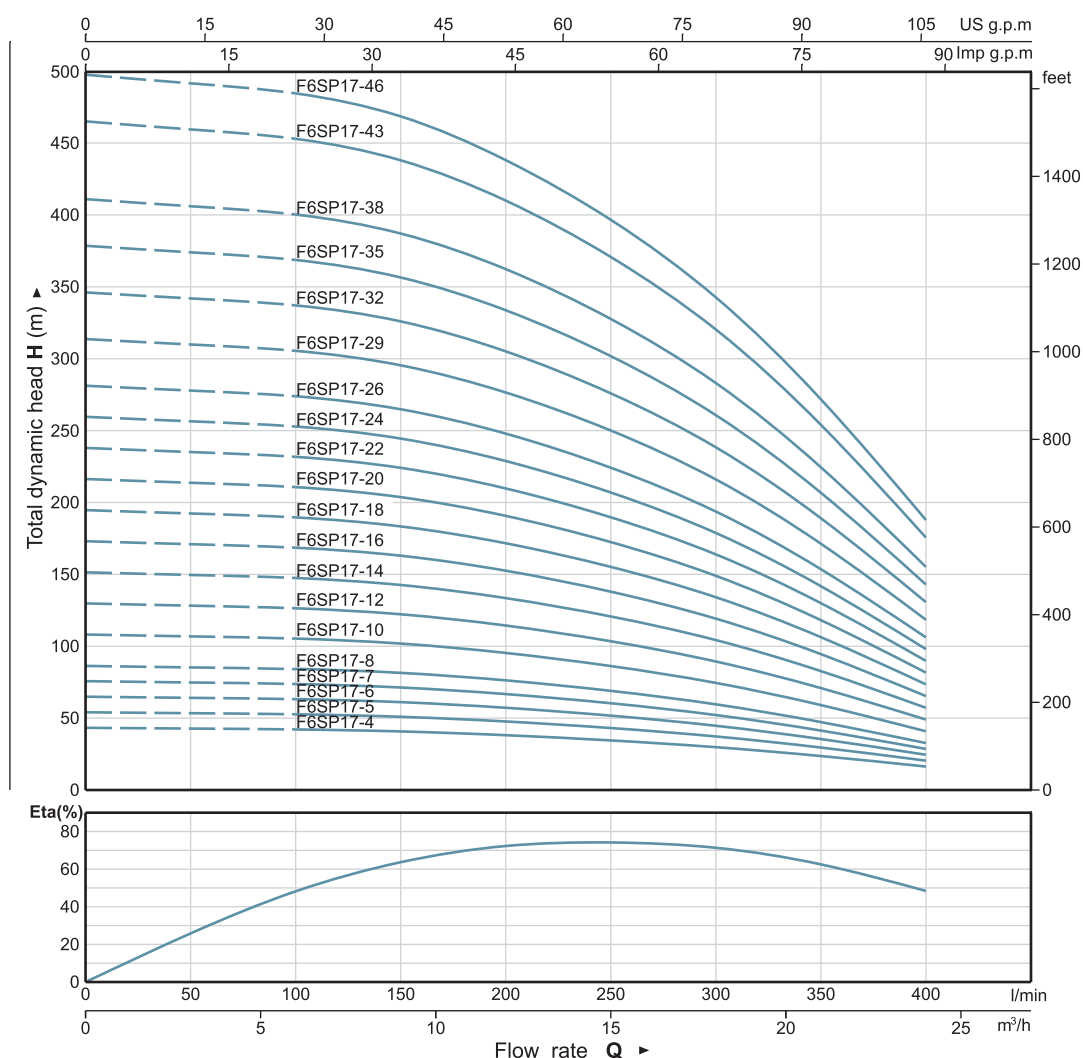
Components	Material
Pump external casing	①AISI 304 SS ②AISI 316 SS
Delivery casing	①AISI 304 SS ②AISI 316 SS
Suction lantern	①AISI 304 SS ②AISI 316 SS
Diffuser	①AISI 304 SS ②AISI 316 SS
Impeller	①AISI 304 SS ②AISI 316 SS
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top cover	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
Seal	①NBR ②Carbon-SiC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

F6 SP M 17-4



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SPM17-4	F6SP17-4	3"/4"	516	506	439	1022	955	8.7	35.9	31.1	43.4	39.8
F6SPM17-5	F6SP17-5	3"/4"	577	536	454	1113	1030	10.0	38.8	32.5	47.3	42.5
F6SPM17-6	F6SP17-6	3"/4"	637	566	499	1203	1136	11.3	41.7	36.9	51.2	48.2
F6SPM17-7	F6SP17-7	3"/4"	698	566	499	1264	1196	12.6	41.7	36.9	52.2	49.5
F6SPM17-8	F6SP17-8	3"/4"	758	616	544	1374	1302	13.9	46.5	41.2	58.0	55.1
-	F6SP17-10	3"/4"	879	-	544	-	1423	16.5	-	41.2	-	57.7
-	F6SP17-12	3"/4"	1000	-	589	-	1589	19.1	-	45.5	-	64.6
-	F6SP17-14	3"/4"	1121	-	634	-	1755	21.7	-	49.8	-	71.5
-	F6SP17-16	3"/4"	1242	-	634	-	1876	24.3	-	49.8	-	74.1
-	F6SP17-18	3"/4"	1363	-	679	-	2042	26.9	-	54.1	-	81.0
-	F6SP17-20	3"/4"	1484	-	196	-	2163	29.5	-	27.3	-	56.8
-	F6SP17-22	3"/4"	1605	-	724	-	2329	32.1	-	58.5	-	90.6
-	F6SP17-24	3"/4"	1726	-	196	-	2450	34.7	-	27.3	-	62.0
-	F6SP17-26	3"/4"	1847	-	774	-	2621	37.3	-	63.3	-	100.6
-	F6SP17-29	3"/4"	2029	-	849	-	2877	41.2	-	70.5	-	111.7
-	F6SP17-32	3"/4"	2210	-	849	-	3059	45.1	-	70.5	-	115.6
-	F6SP17-35	3"/4"	2392	-	924	-	3315	49.0	-	77.7	-	126.7
-	F6SP17-38	3"/4"	2573	-	924	-	3497	52.9	-	77.7	-	130.6
-	F6SP17-43	3"/4"	2876	-	999	-	3874	59.4	-	84.9	-	144.3
-	F6SP17-46	3"/4"	3057	-	999	-	4056	63.3	-	84.9	-	148.2

• In the list: M(S) is single phase motor, M(T) is three phase motor.
• In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY									
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	n≈2850 1/min								
				$\frac{m^3}{h}$ l/min	0	3	6	9	12	15	18	21	24
					0	50	100	150	200	250	300	350	400
F6SPM17-4	F6SP17-4	2.2	3	H _(m)	43	43	42	41	38	35	30	24	16
F6SPM17-5	F6SP17-5	3	4		54	53	53	51	48	43	37	30	20
F6SPM17-6	F6SP17-6	4	5.5		65	64	63	61	57	52	45	35	25
F6SPM17-7	F6SP17-7	4	5.5		76	75	74	71	67	60	52	41	29
F6SPM17-8	F6SP17-8	5.5	7.5		87	86	84	82	76	69	60	47	33
-	F6SP17-10	5.5	7.5		108	107	105	102	95	86	75	59	41
-	F6SP17-12	7.5	10		130	128	127	122	115	104	89	71	49
-	F6SP17-14	9.2	12.5		152	150	148	143	134	121	104	83	57
-	F6SP17-16	9.2	12.5		173	171	169	163	153	138	119	95	65
-	F6SP17-18	11	15		195	193	190	184	172	155	134	106	74
-	F6SP17-20	11	15		217	214	211	204	191	173	149	118	82
-	F6SP17-22	13	17.5		238	235	232	224	210	190	164	130	90
-	F6SP17-24	13	17.5		260	257	253	245	229	207	179	142	98
-	F6SP17-26	15	20		281	278	274	265	248	224	194	154	106
-	F6SP17-29	18.5	25		314	310	306	296	277	250	216	171	119
-	F6SP17-32	18.5	25		346	342	337	326	305	276	239	189	131
-	F6SP17-35	22	30		379	374	369	357	334	302	261	207	143
-	F6SP17-38	22	30		411	406	401	387	363	328	283	225	155
-	F6SP17-43	26	35		466	460	453	438	410	371	321	254	176
-	F6SP17-46	26	35		498	492	485	469	439	397	343	272	188



F6SP 30

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.25%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

Rewindable motor or Full obturated screen motor

Three-phase: 380V - 415V /50Hz

① Direct start (1 cable)

② Star-delta start (2 cables)

Equip with start control box or digital auto-control box

NEMA dimension standards

Curve tolerance according to ISO 9906

Options on request

Special mechanical seal

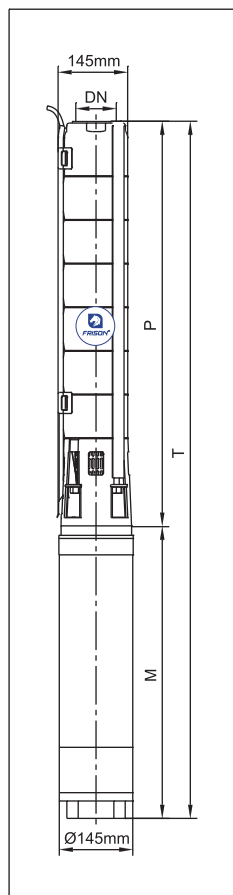
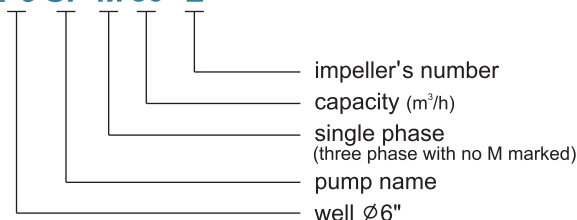
Other voltages or frequency 60 Hz

Warranty: 1 year

(according to our general sales conditions).

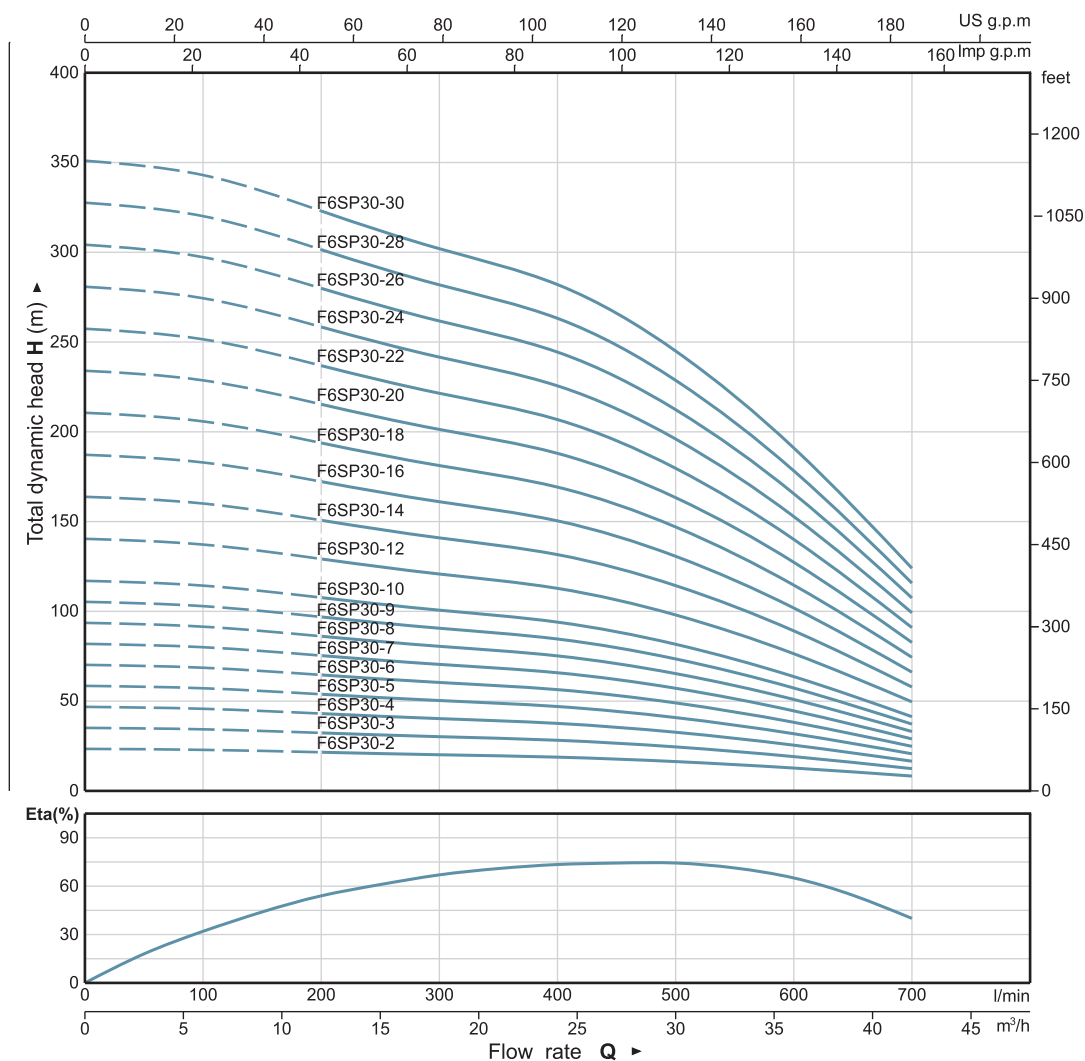
Components	Material
Pump external casing	①AISI 304 SS ②AISI 316 SS
Delivery casing	①AISI 304 SS ②AISI 316 SS
Suction lantern	①AISI 304 SS ②AISI 316 SS
Diffuser	①AISI 304 SS ②AISI 316 SS
Impeller	①AISI 304 SS ②AISI 316 SS
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top cover	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
Seal	①NBR ②Carbon-SIC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

F6 SP M 30-2



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SPM30-2	F6SP30-2	3"/4"	466	506	439	972	905	7.1	35.9	31.1	43.0	38.2
F6SPM30-3	F6SP30-3	3"/4"	562	536	454	1098	1016	8.9	38.8	32.5	47.7	41.4
F6SPM30-4	F6SP30-4	3"/4"	658	566	499	1224	1157	10.7	41.7	36.9	52.4	47.6
F6SPM30-5	F6SP30-5	3"/4"	754	616	544	1370	1298	12.5	46.5	41.2	59.0	53.7
-	F6SP30-6	3"/4"	850	-	544	-	1394	14.3	-	41.2	-	55.5
-	F6SP30-7	3"/4"	946	-	589	-	1535	16.1	-	45.5	-	61.6
-	F6SP30-8	3"/4"	1042	-	589	-	1631	17.9	-	45.5	-	63.4
-	F6SP30-9	3"/4"	1138	-	634	-	1772	19.7	-	49.8	-	69.5
-	F6SP30-10	3"/4"	1234	-	634	-	1868	21.5	-	49.8	-	71.3
-	F6SP30-12	3"/4"	1462	-	679	-	2105	25.1	-	54.1	-	19.2
-	F6SP30-14	3"/4"	1618	-	724	-	2342	28.7	-	58.5	-	87.2
-	F6SP30-16	3"/4"	1810	-	774	-	2584	32.3	-	63.3	-	95.6
-	F6SP30-18	3"/4"	2002	-	849	-	2851	35.9	-	70.5	-	106.4
-	F6SP30-20	3"/4"	2194	-	849	-	3043	39.5	-	70.5	-	110.0
-	F6SP30-22	3"/4"	2386	-	924	-	3310	43.1	-	77.7	-	120.8
-	F6SP30-24	3"/4"	2578	-	924	-	3502	46.7	-	77.7	-	124.4
-	F6SP30-26	3"/4"	2770	-	924	-	3694	50.3	-	77.7	-	128.0
-	F6SP30-28	3"/4"	2962	-	999	-	3961	53.9	-	84.9	-	138.8
-	F6SP30-30	3"/4"	3154	-	999	-	4153	57.5	-	84.9	-	142.4

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY									
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	n≈2850 1/min								
					m³/h l/min	0	6	12	18	24	30	36	42
					0	100	200	300	400	500	600	700	
F6SPM30-2	F6SP30-2	2.2	3	H(m)	23	23	22	20	19	16	13	8	
F6SPM30-3	F6SP30-3	3	4		35	34	32	30	28	24	19	12	
F6SPM30-4	F6SP30-4	4	5.5		47	46	43	40	38	33	25	17	
F6SPM30-5	F6SP30-5	5.5	7.5		59	57	54	50	47	41	32	21	
-	F6SP30-6	5.5	7.5		70	69	65	60	56	49	38	25	
-	F6SP30-7	7.5	10		82	80	75	70	66	57	45	29	
-	F6SP30-8	7.5	10		94	91	86	81	75	65	51	33	
-	F6SP30-9	9.2	12.5		105	103	97	91	85	73	57	37	
-	F6SP30-10	9.2	12.5		117	114	108	101	94	82	64	41	
-	F6SP30-12	11	15		140	137	129	121	113	98	76	50	
-	F6SP30-14	13	17.5		164	160	151	141	132	114	89	58	
-	F6SP30-16	15	20		187	183	172	161	150	131	102	66	
-	F6SP30-18	18.5	25		211	206	194	181	169	147	115	74	
-	F6SP30-20	18.5	25		234	229	215	201	188	163	127	83	
-	F6SP30-22	22	30		257	252	237	221	207	180	140	91	
-	F6SP30-24	22	30		281	274	258	242	226	196	153	99	
-	F6SP30-26	22	30		304	297	280	262	244	212	166	107	
-	F6SP30-28	26	35		328	320	301	282	263	229	178	116	
-	F6SP30-30	26	35		351	343	323	302	282	245	191	124	



F6SP 46

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.25%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

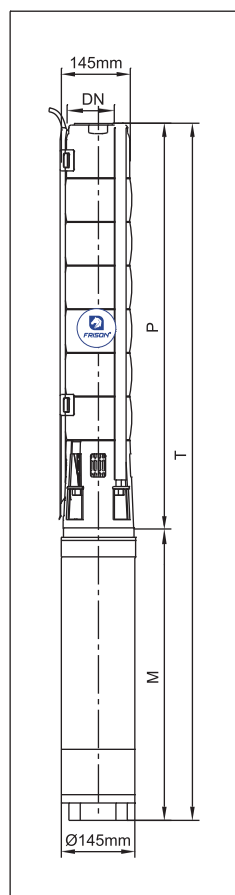
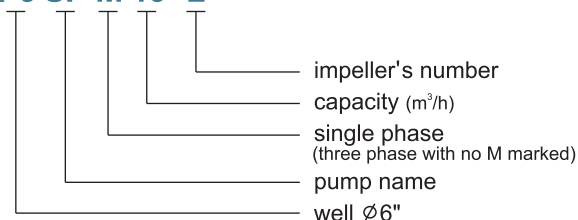
Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 1 year

(according to our general sales conditions).

Components	Material
Pump external casing	①AISI 304 SS ②AISI 316 SS
Delivery casing	①AISI 304 SS ②AISI 316 SS
Suction lantern	①AISI 304 SS ②AISI 316 SS
Diffuser	①AISI 304 SS ②AISI 316 SS
Impeller	①AISI 304 SS ②AISI 316 SS
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top cover	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
Seal	①NBR ②Carbon-SiC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

F6 SP M 46-2



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SPM46-2	F6SP46-2	3"/4"	500	536	454	1036	954	8.5	38.8	32.5	47.3	41.0
F6SPM46-3A	F6SP46-3A	3"/4"	613	566	499	1179	1112	11.0	41.7	36.9	52.7	47.9
F6SPM46-3	F6SP46-3	3"/4"	613	616	544	1229	1157	11.0	46.5	41.2	57.5	52.2
-	F6SP46-4	3"/4"	726	-	589	-	1315	13.5	-	45.5	-	59.0
-	F6SP46-5	3"/4"	839	-	589	-	1428	16.0	-	45.5	-	61.5
-	F6SP46-6	3"/4"	952	-	634	-	1586	18.5	-	49.8	-	68.3
-	F6SP46-7	3"/4"	1065	-	679	-	1744	21.0	-	54.1	-	75.1
-	F6SP46-8	3"/4"	1178	-	724	-	1902	23.5	-	58.5	-	82.0
-	F6SP46-9	3"/4"	1291	-	774	-	2065	26.0	-	63.3	-	89.3
-	F6SP46-10	3"/4"	1404	-	774	-	2178	28.5	-	63.3	-	91.8
-	F6SP46-11	3"/4"	1517	-	849	-	2366	31.0	-	70.5	-	101.5
-	F6SP46-12	3"/4"	1630	-	849	-	2479	33.5	-	70.5	-	104.0
-	F6SP46-13	3"/4"	1743	-	924	-	2667	36.0	-	77.7	-	113.7
-	F6SP46-14	3"/4"	1856	-	924	-	2780	38.5	-	77.7	-	116.2
-	F6SP46-16	3"/4"	2082	-	999	-	3081	43.5	-	84.9	-	128.4
-	F6SP46-18	3"/4"	2308	-	1074	-	3382	48.5	-	92.1	-	140.6
-	F6SP46-20	3"/4"	2534	-	1074	-	3608	53.5	-	92.1	-	145.6

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



MODEL		P ₂		DELIVERY n≈2850 1/min													
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	m³/h l/min	0	6	12	18	24	30	36	42	48	54	60	66
						0	100	200	300	400	500	600	700	800	900	1000	1100
F6SPM46-2	F6SP46-2	3	4	H(m)		27	26	26	25	23	22	20	18	16	14	10	6
F6SPM46-3A	F6SP46-3A	4	5.5			37	36	36	34	32	29	27	24	21	16	12	8
F6SPM46-3	F6SP46-3	5.5	7.5			41	40	39	37	35	33	30	28	25	21	15	9
-	F6SP46-4	7.5	10			54	53	52	49	46	43	40	37	33	27	20	12
-	F6SP46-5	7.5	10			68	66	64	62	58	54	50	46	41	34	25	15
-	F6SP46-6	9.2	12.5			82	79	77	74	70	65	60	55	49	41	31	19
-	F6SP46-7	11	15			95	93	90	86	81	76	70	64	58	48	36	22
-	F6SP46-8	13	17.5			109	106	103	99	93	87	80	74	66	55	41	25
-	F6SP46-9	15	20			122	119	116	111	104	98	90	83	74	62	46	28
-	F6SP46-10	15	20			136	132	129	123	116	108	100	92	82	68	51	31
-	F6SP46-11	18.5	25			150	146	142	136	128	119	110	101	91	75	56	34
-	F6SP46-12	18.5	25			163	159	155	148	139	130	120	110	99	82	61	37
-	F6SP46-13	22	30			177	172	168	161	151	141	130	120	107	89	66	40
-	F6SP46-14	22	30			190	186	181	173	162	152	140	129	115	96	71	43
-	F6SP46-16	26	35			218	212	206	198	186	174	160	147	132	110	82	50
-	F6SP46-18	30	40			245	239	232	222	209	195	180	166	149	123	92	56
-	F6SP46-20	30	40			272	265	258	247	232	217	200	184	165	137	102	62



F6SP 60

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.25%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

Rewindable motor or Full obturated screen motor

Three-phase: 380V - 415V /50Hz

① Direct start (1 cable)

② Star-delta start (2 cables)

Equip with start control box or digital auto-control box

NEMA dimension standards

Curve tolerance according to ISO 9906

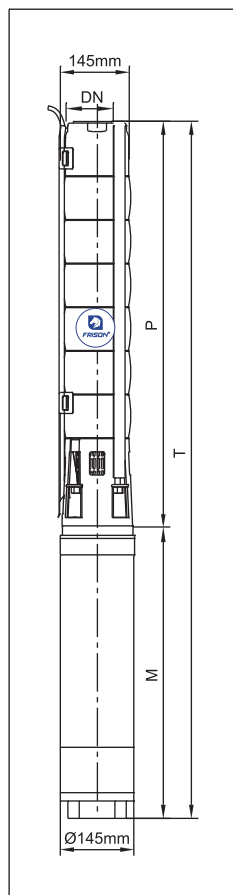
Options on request

Special mechanical seal

Other voltages or frequency 60 Hz

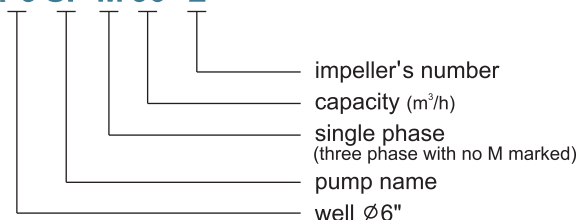
Warranty: 1 year

(according to our general sales conditions).



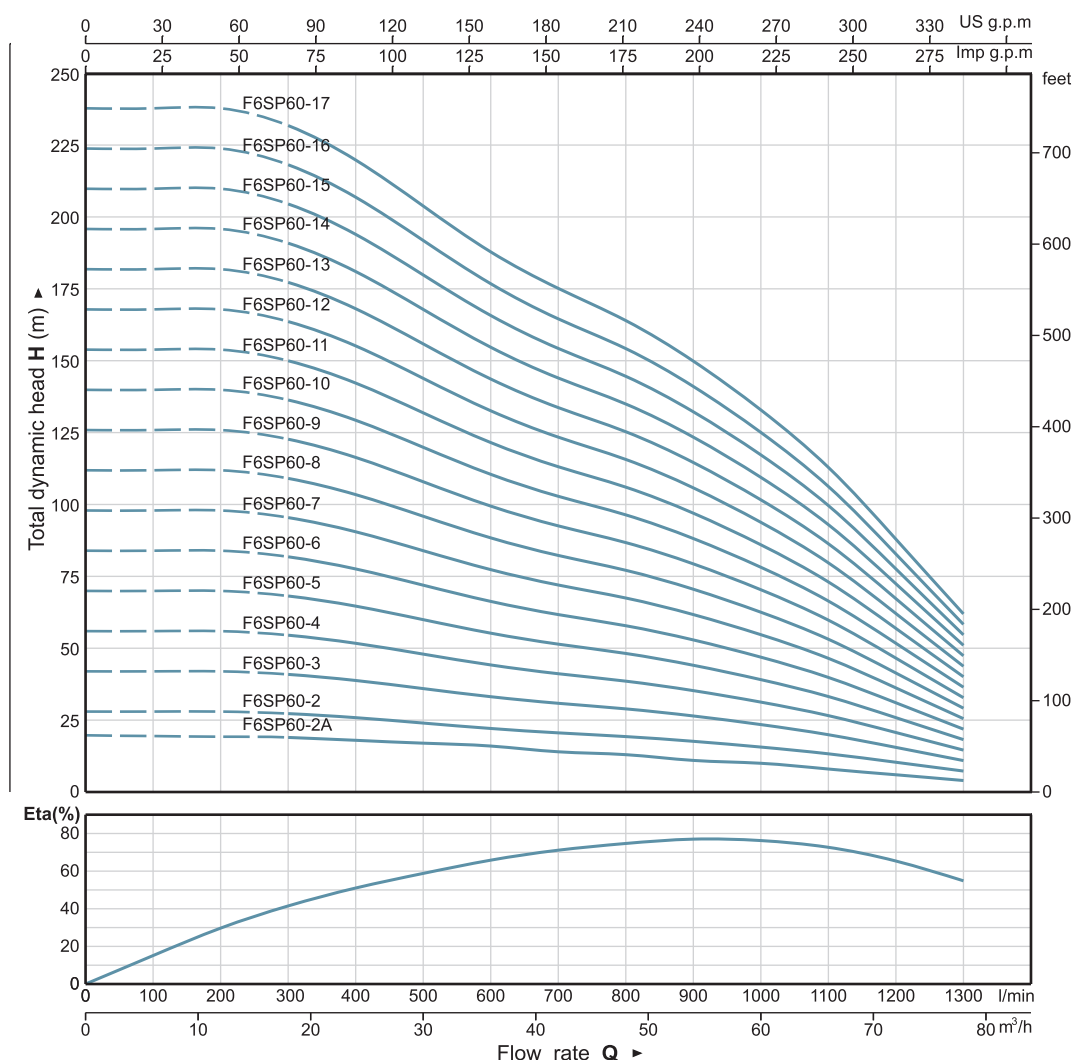
Components	Material
Pump external casing	①AISI 304 SS ②AISI 316 SS
Delivery casing	①AISI 304 SS ②AISI 316 SS
Suction lantern	①AISI 304 SS ②AISI 316 SS
Diffuser	①AISI 304 SS ②AISI 316 SS
Impeller	①AISI 304 SS ②AISI 316 SS
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top cover	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
Seal	①NBR ②Carbon-SiC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

F6 SP M 60- 2



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SPM60-2A	F6SP60-2A	3"/4"	500	536	454	1036	954	8.5	38.8	32.5	47.3	41.0
F6SPM60-2	F6SP60-2	3"/4"	500	566	499	1066	999	8.5	41.7	36.9	50.2	45.4
F6SPM60-3	F6SP60-3	3"/4"	613	616	544	1229	1175	11.0	46.5	41.2	57.5	52.2
-	F6SP60-4	3"/4"	726	-	589	-	1315	13.5	-	45.5	-	59.0
-	F6SP60-5	3"/4"	839	-	634	-	1473	16.0	-	49.8	-	65.8
-	F6SP60-6	3"/4"	952	-	679	-	1631	18.5	-	54.1	-	72.6
-	F6SP60-7	3"/4"	1065	-	724	-	1789	21.0	-	58.5	-	79.5
-	F6SP60-8	3"/4"	1178	-	774	-	1952	23.5	-	63.3	-	86.8
-	F6SP60-9	3"/4"	1291	-	849	-	2140	26.0	-	70.5	-	96.5
-	F6SP60-10	3"/4"	1404	-	849	-	2253	28.5	-	70.5	-	99.0
-	F6SP60-11	3"/4"	1517	-	924	-	2411	31.0	-	77.7	-	108.7
-	F6SP60-12	3"/4"	1630	-	924	-	2554	33.5	-	77.7	-	111.2
-	F6SP60-13	3"/4"	1743	-	999	-	2742	36.0	-	84.9	-	120.9
-	F6SP60-14	3"/4"	1856	-	999	-	2855	38.5	-	84.9	-	123.4
-	F6SP60-15	3"/4"	1969	-	999	-	2968	41.0	-	84.9	-	125.9
-	F6SP60-16	3"/4"	2082	-	1074	-	3156	41.5	-	92.1	-	135.6
-	F6SP60-17	3"/4"	2195	-	1074	-	3269	46.0	-	92.1	-	138.1

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY															
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	n≈2850 1/min														
				$\frac{m^3/h}{l/min}$	0	6	12	18	24	30	36	42	48	54	60	66	72	78	
					0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	
F6SPM60-2A	F6SP60-2A	3	4	H(m)	21	21	21	19	18	17	16	14	13	11	10	8	6	4	
F6SPM60-2	F6SP60-2	4	5.5		28	28	28	27	26	24	22	21	19	18	16	13	10	7	
F6SPM60-3	F6SP60-3	5.5	7.5		42	42	42	41	39	36	33	31	29	26	23	20	16	11	
-	F6SP60-4	7.5	10		56	56	56	55	52	48	44	41	39	35	31	27	21	15	
-	F6SP60-5	9.2	12.5		70	70	70	68	65	60	55	51	48	44	39	33	26	18	
-	F6SP60-6	11	15		84	84	84	82	78	72	66	62	58	53	47	40	31	22	
-	F6SP60-7	13	17.5		98	98	98	96	91	84	77	72	68	62	55	47	36	26	
-	F6SP60-8	15	20		112	112	112	109	104	96	88	82	77	71	63	53	41	29	
-	F6SP60-10	18.5	25		126	126	126	123	116	108	100	93	87	79	70	60	47	33	
-	F6SP60-11	22	30		140	140	140	136	129	120	111	103	96	88	78	66	52	36	
-	F6SP60-12	22	30		154	154	154	150	142	132	122	113	106	97	86	73	57	40	
-	F6SP60-13	26	35		168	168	168	164	155	144	133	124	116	106	94	80	62	44	
-	F6SP60-14	26	35		182	182	182	177	168	156	144	134	125	115	102	86	67	47	
-	F6SP60-15	26	35		196	196	196	191	181	168	155	144	135	124	110	93	72	51	
-	F6SP60-16	30	40		210	210	210	205	194	180	166	154	145	132	117	100	78	55	
-	F6SP60-17	30	40		224	224	224	218	207	192	177	165	154	141	125	106	83	58	
-	F6SP60-17	30	40		238	238	238	232	220	204	188	175	164	150	133	113	88	62	



F6SR 10

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

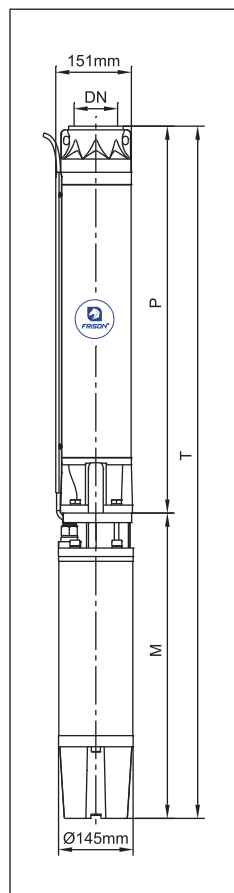
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

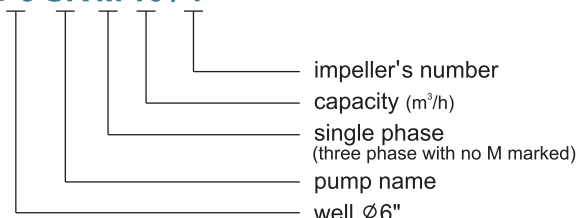
Warranty: 1 year

(according to our general sales conditions).



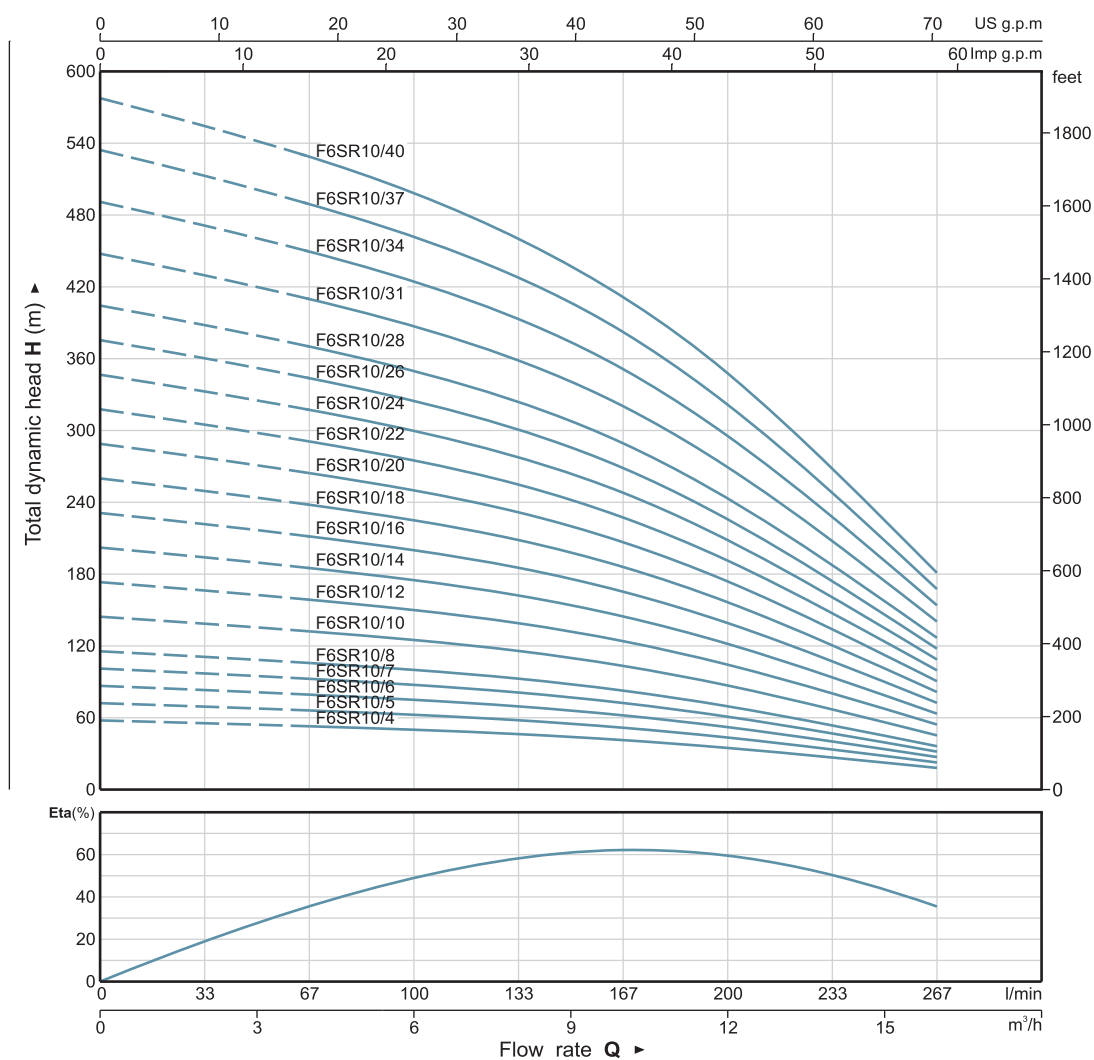
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-iron ASTM N0.30
Suction lantern	Cast-iron ASTM N0.30
Diffuser	Plastic.PC & AISI 304 SS
Impeller	①Plastic.POM ②Plastic.PC
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
Seal	①NBR ②Carbon-SIC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

F6 SR M 10 / 4



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SRM10/4	F6SR10/4	2 1/2"/3"	555	556	546	1111	1101	14.0	35.9	34.9	49.9	48.9
F6SRM10/5	F6SR10/5	2 1/2"/3"	594	586	566	1180	1160	14.8	38.8	36.9	53.6	51.7
F6SRM10/6	F6SR10/6	2 1/2"/3"	633	616	586	1249	1219	15.5	41.7	38.8	57.2	54.3
F6SRM10/7	F6SR10/7	2 1/2"/3"	672	616	586	1288	1258	16.3	41.7	38.8	58.0	55.1
F6SRM10/8	F6SR10/8	2 1/2"/3"	711	666	616	1377	1327	17.0	46.5	41.7	63.5	58.7
-	F6SR10/10	2 1/2"/3"	789	-	616	-	1405	18.5	-	41.7	-	60.2
-	F6SR10/12	2 1/2"/3"	866	-	666	-	1532	20.0	-	46.5	-	66.5
-	F6SR10/14	2 1/2"/3"	944	-	666	-	1610	21.5	-	46.5	-	68.0
-	F6SR10/16	2 1/2"/3"	1022	-	716	-	1738	23.0	-	51.3	-	74.3
-	F6SR10/18	2 1/2"/3"	1100	-	716	-	1816	24.5	-	51.3	-	75.8
-	F6SR10/20	2 1/2"/3"	1178	-	786	-	1964	26.0	-	56.1	-	82.1
-	F6SR10/22	2 1/2"/3"	1255	-	786	-	2041	27.5	-	56.1	-	83.6
-	F6SR10/24	2 1/2"/3"	1333	-	836	-	2169	29.0	-	60.9	-	89.9
-	F6SR10/26	2 1/2"/3"	1411	-	886	-	2297	30.5	-	65.7	-	96.2
-	F6SR10/28	2 1/2"/3"	1489	-	886	-	2375	32.0	-	65.7	-	97.7
-	F6SR10/31	2 1/2"/3"	1605	-	936	-	2541	34.3	-	70.5	-	104.8
-	F6SR10/34	2 1/2"/3"	1722	-	936	-	2658	36.5	-	70.5	-	107.0
-	F6SR10/37	2 1/2"/3"	1839	-	1011	-	2850	38.8	-	77.7	-	116.5
-	F6SR10/40	2 1/2"/3"	1956	-	1011	-	2967	41.0	-	77.7	-	118.7

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY									
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	n≈2850 1/min								
					0	2	4	6	8	10	12	14	16
					0	33	67	100	133	167	200	233	267
F6SRM10/4	F6SR10/4	2.2	3	H(m)	58	55	53	50	46	41	35	27	18
F6SRM10/5	F6SR10/5	3	4		72	69	66	62	58	52	43	33	23
F6SRM10/6	F6SR10/6	4	5.5		87	83	79	75	69	62	52	40	27
F6SRM10/7	F6SR10/7	4	5.5		101	97	93	87	81	72	61	47	32
F6SRM10/8	F6SR10/8	5.5	7.5		116	111	106	100	93	83	70	54	36
-	F6SR10/10	5.5	7.5		145	138	132	125	116	103	87	67	45
-	F6SR10/12	7.5	10		173	166	159	150	139	124	104	80	54
-	F6SR10/14	7.5	10		202	194	185	175	162	145	122	94	63
-	F6SR10/16	9.2	12.5		231	222	212	200	185	165	139	107	72
-	F6SR10/18	9.2	12.5		260	249	238	225	208	186	157	121	81
-	F6SR10/20	11	15		289	277	264	250	231	206	174	134	90
-	F6SR10/22	11	15		318	305	291	275	255	227	191	147	100
-	F6SR10/24	13	17.5		347	332	317	300	278	248	209	161	109
-	F6SR10/26	15	20		376	360	344	325	301	268	226	174	118
-	F6SR10/28	15	20		405	388	370	350	324	289	244	188	127
-	F6SR10/31	18.5	25		448	429	410	387	359	320	270	208	140
-	F6SR10/34	18.5	25		491	471	450	425	394	351	296	228	154
-	F6SR10/37	22	30		535	512	489	463	428	382	322	248	167
-	F6SR10/40	22	30		578	554	529	500	463	413	348	268	181



F6SR 18

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

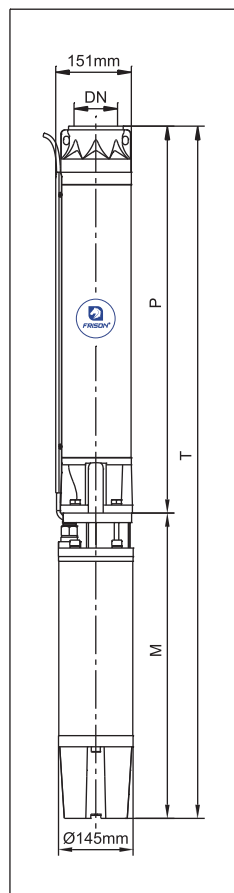
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

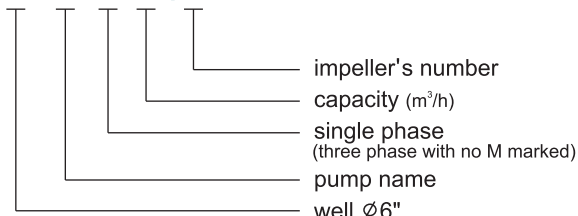
Warranty: 1 year

(according to our general sales conditions).



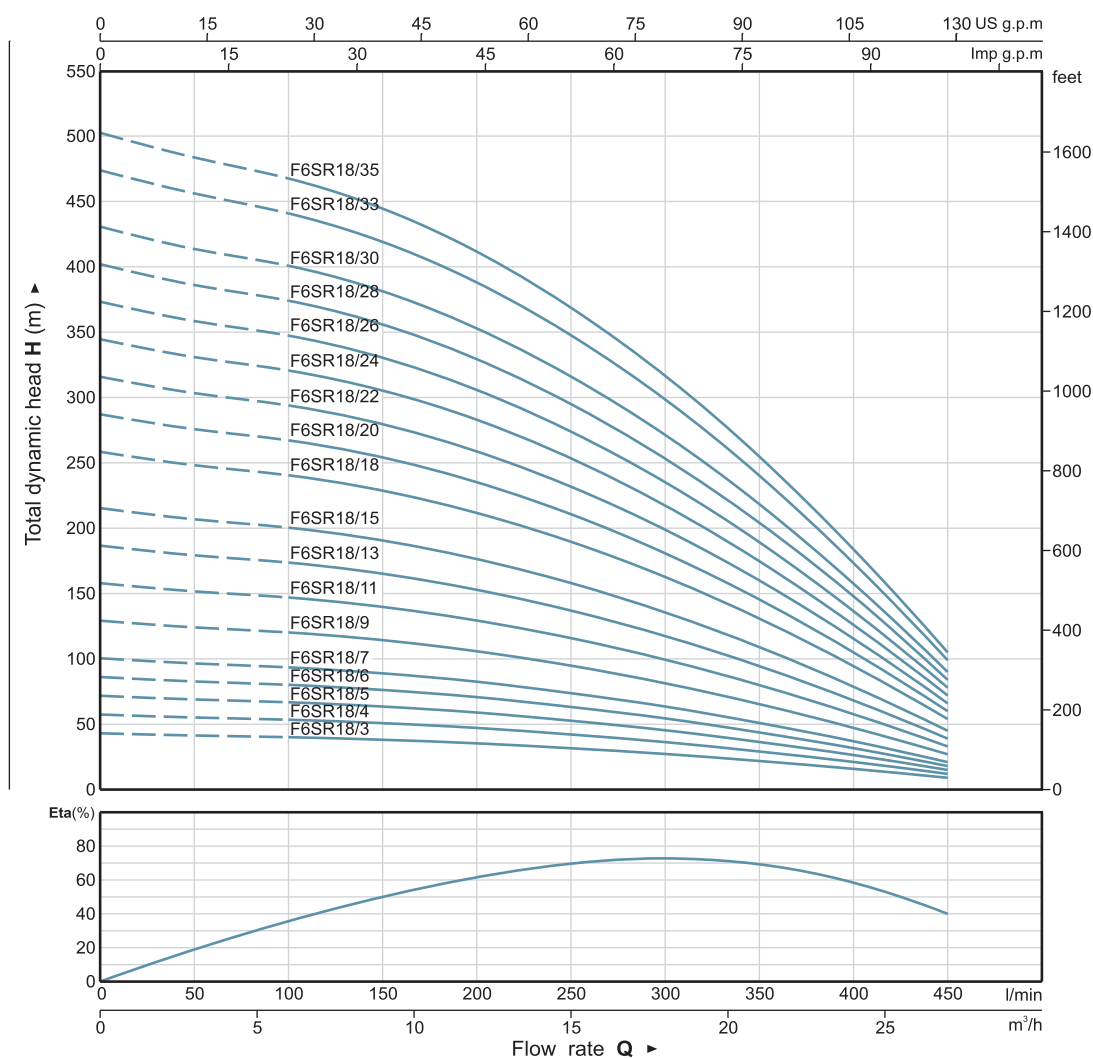
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-iron ASTM N0.30
Suction lantern	Cast-iron ASTM N0.30
Diffuser	Plastic.PC & AISI 304 SS
Impeller	①Plastic.POM ②Plastic.PC
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
Seal	①NBR ②Carbon-SiC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

F6 SR M 18 / 3



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SRM18/3	F6SR18/3	2½"/3"	549	556	546	1105	1095	13.6	35.9	34.9	49.5	48.5
F6SRM18/4	F6SR18/4	2½"/3"	599	586	566	1185	1165	14.5	38.8	36.9	53.3	51.4
F6SRM18/5	F6SR18/5	2½"/3"	649	616	586	1265	1235	15.3	41.7	38.8	57.0	54.1
F6SRM18/6	F6SR18/6	2½"/3"	699	666	616	1365	1315	16.2	46.5	41.7	62.7	57.9
-	F6SR18/7	2½"/3"	749	-	616	-	1365	17.1	-	41.7	-	58.8
-	F6SR18/9	2½"/3"	849	-	666	-	1515	18.8	-	46.5	-	65.3
-	F6SR18/11	2½"/3"	948	-	716	-	1664	20.5	-	51.3	-	71.8
-	F6SR18/13	2½"/3"	1048	-	786	-	1834	22.3	-	56.1	-	78.4
-	F6SR18/15	2½"/3"	1148	-	836	-	1984	24.0	-	60.9	-	84.9
-	F6SR18/18	2½"/3"	1298	-	886	-	2184	26.6	-	65.7	-	92.3
-	F6SR18/20	2½"/3"	1398	-	936	-	2334	28.3	-	70.5	-	98.8
-	F6SR18/22	2½"/3"	1497	-	936	-	2433	30.1	-	70.5	-	100.6
-	F6SR18/24	2½"/3"	1597	-	1011	-	2608	31.8	-	77.7	-	109.5
-	F6SR18/26	2½"/3"	1697	-	1011	-	2708	33.5	-	77.7	-	111.2
-	F6SR18/28	2½"/3"	1797	-	1086	-	2883	35.3	-	84.9	-	120.2
-	F6SR18/30	2½"/3"	1897	-	1086	-	2983	37.0	-	84.9	-	121.9
-	F6SR18/33	2½"/3"	2046	-	1161	-	3207	39.6	-	92.1	-	131.7
-	F6SR18/35	2½"/3"	2146	-	1161	-	3307	41.3	-	92.1	-	133.4

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY											
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	m³/h l/min	n≈2850 1/min									
						0	3	6	9	12	15	18	21	24	27
						0	50	100	150	200	250	300	350	400	450
F6SRM18/3	F6SR18/3	2.2	3	H(m)		43	41	40	38	35	32	27	22	16	9
F6SRM18/4	F6SR18/4	3	4			57	55	53	51	47	42	36	29	21	12
F6SRM18/5	F6SR18/5	4	5.5			72	69	67	64	59	53	45	36	26	15
F6SRM18/6	F6SR18/6	5.5	7.5			86	83	80	76	71	63	55	44	32	18
-	F6SR18/7	5.5	7.5			101	97	94	89	83	74	64	51	37	21
-	F6SR18/9	7.5	10			129	124	120	114	106	95	82	66	48	27
-	F6SR18/11	9.2	12.5			158	152	147	140	130	116	100	80	58	33
-	F6SR18/13	11	15			187	179	174	165	153	137	118	95	69	39
-	F6SR18/15	13	17.5			216	207	201	191	177	158	136	109	79	45
-	F6SR18/18	15	20			259	248	241	229	212	190	164	131	95	54
-	F6SR18/20	18.5	25			287	276	267	254	236	211	182	146	106	60
-	F6SR18/22	18.5	25			316	304	294	280	260	232	200	160	116	66
-	F6SR18/24	22	30			345	331	321	305	283	253	218	175	127	72
-	F6SR18/26	22	30			374	359	348	331	307	274	236	189	137	78
-	F6SR18/28	26	35			402	386	374	356	330	295	254	204	148	84
-	F6SR18/30	26	35			431	414	401	381	354	316	273	219	159	90
-	F6SR18/33	30	40			474	455	441	420	389	348	300	240	174	99
-	F6SR18/35	30	40			503	483	468	445	413	369	318	255	185	105



F6SR 30

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

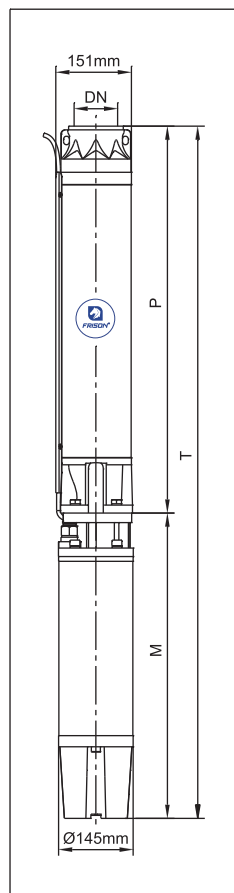
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

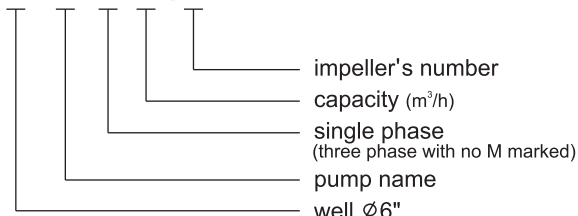
Warranty: 1 year

(according to our general sales conditions).



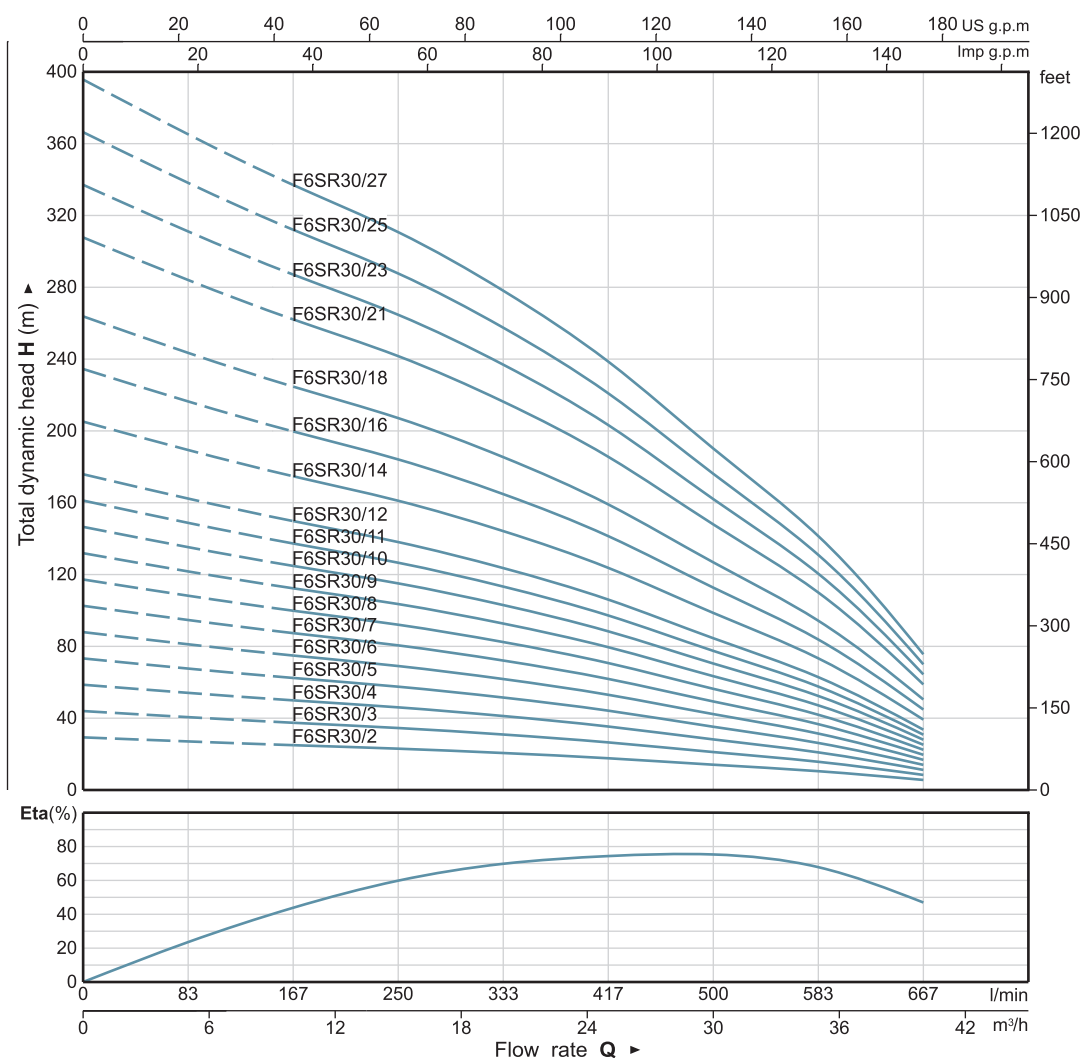
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-iron ASTM N0.30
Suction lantern	Cast-iron ASTM N0.30
Diffuser	Plastic.PC & AISI 304 SS
Impeller	①Plastic.POM ②Plastic.PC
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
Seal	①NBR ②Carbon-SiC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

F6 SR M 30 / 2



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SRM30/2	F6SR30/2	3"/4"	507	586	566	1093	1073	13.0	38.8	36.9	51.8	49.9
F6SRM30/3	F6SR30/3	3"/4"	561	616	586	1177	1147	14.0	41.7	38.8	55.7	52.8
F6SRM30/4	F6SR30/4	3"/4"	615	666	616	1281	1231	15.0	46.5	41.7	61.5	56.7
-	F6SR30/5	3"/4"	669	-	616	-	1285	16.0	-	41.7	-	57.7
-	F6SR30/6	3"/4"	723	-	666	-	1389	17.0	-	46.5	-	63.5
-	F6SR30/7	3"/4"	777	-	666	-	1443	18.0	-	46.5	-	64.5
-	F6SR30/8	3"/4"	831	-	716	-	1547	19.0	-	51.3	-	70.3
-	F6SR30/9	3"/4"	885	-	716	-	1601	20.0	-	51.3	-	71.3
-	F6SR30/10	3"/4"	939	-	786	-	1725	21.0	-	56.1	-	77.1
-	F6SR30/11	3"/4"	992	-	786	-	1778	22.0	-	56.1	-	78.1
-	F6SR30/12	3"/4"	1046	-	836	-	1882	23.0	-	60.9	-	83.9
-	F6SR30/14	3"/4"	1154	-	886	-	2040	25.0	-	65.7	-	90.7
-	F6SR30/16	3"/4"	1262	-	936	-	2198	27.0	-	70.5	-	97.5
-	F6SR30/18	3"/4"	1370	-	936	-	2306	29.0	-	70.5	-	99.5
-	F6SR30/21	3"/4"	1531	-	1011	-	2542	32.0	-	77.7	-	109.7
-	F6SR30/23	3"/4"	1639	-	1086	-	2725	34.0	-	84.9	-	118.9
-	F6SR30/25	3"/4"	1747	-	1161	-	2908	36.0	-	92.1	-	128.1
-	F6SR30/27	3"/4"	1855	-	1161	-	3016	38.0	-	92.1	-	130.1

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY									
1~ 220V/240V	3~ 380V/415V	KW	HP	Q	n≈2850 1/min								
				$m³/h$ l/min	0	5	10	15	20	25	30	35	40
					0	83	167	250	333	417	500	583	667
F6SRM30/2	F6SR30/2	3	4	H(m)	29	27	25	23	21	18	14	10	6
F6SRM30/3	F6SR30/3	4	5.5		44	41	37	35	31	27	21	16	8
F6SRM30/4	F6SR30/4	5.5	7.5		59	54	50	46	41	35	28	21	11
-	F6SR30/5	5.5	7.5		73	68	62	58	51	44	35	26	14
-	F6SR30/6	7.5	10		88	81	75	69	62	53	42	31	17
-	F6SR30/7	7.5	10		103	95	87	81	72	62	49	37	20
-	F6SR30/8	9.2	12.5		117	108	100	92	82	71	56	42	23
-	F6SR30/9	9.2	12.5		132	122	112	104	93	80	63	47	25
-	F6SR30/10	11	15		147	135	125	115	103	89	70	52	28
-	F6SR30/11	11	15		161	149	137	127	113	97	77	57	31
-	F6SR30/12	13	17.5		176	162	150	138	124	106	84	63	34
-	F6SR30/14	15	20		205	189	175	161	144	124	99	73	39
-	F6SR30/16	18.5	25		235	216	200	184	165	142	113	84	45
-	F6SR30/18	18.5	25		264	243	225	207	185	159	127	94	51
-	F6SR30/21	22	30		308	284	262	242	216	186	148	110	59
-	F6SR30/23	26	35		337	311	287	265	237	204	162	120	65
-	F6SR30/25	30	40		367	338	312	288	257	221	176	131	70
-	F6SR30/27	30	40		396	365	337	311	278	239	190	141	76



F6SR 45

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

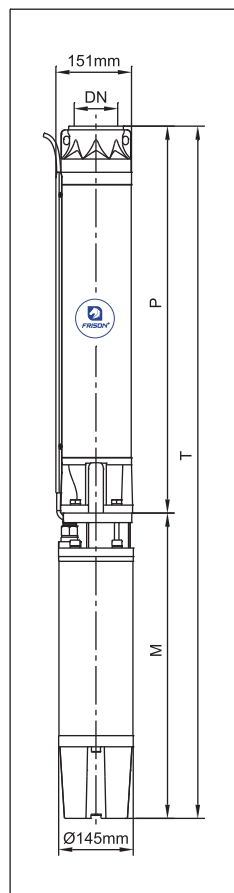
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

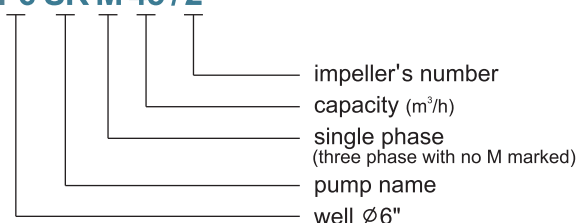
Warranty: 1 year

(according to our general sales conditions).



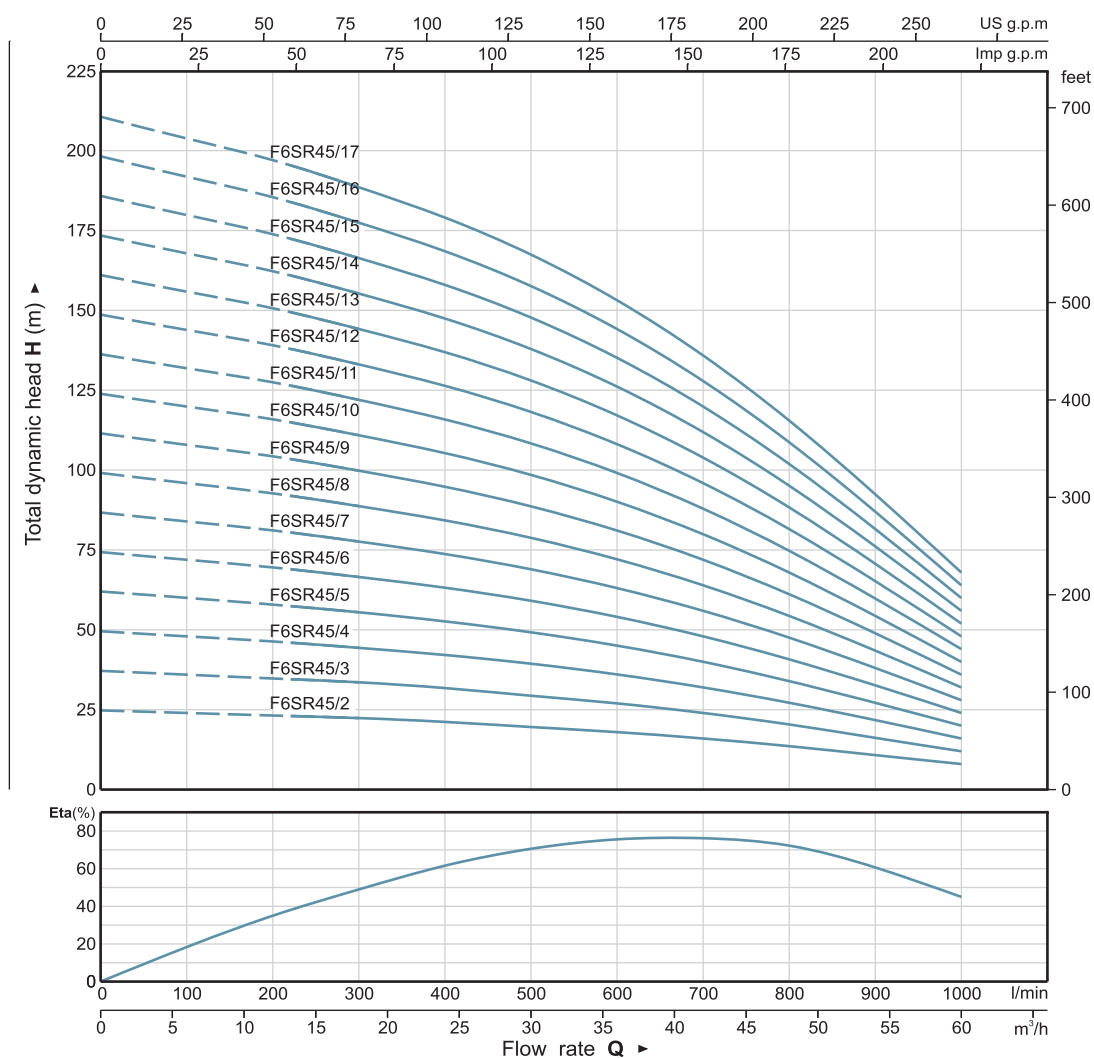
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-iron ASTM N0.30
Suction lantern	Cast-iron ASTM N0.30
Diffuser	Plastic.PC & AISI 304 SS
Impeller	①Plastic.POM ②Plastic.PC
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
Seal	①NBR ②Carbon-SiC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

F6 SR M 45 / 2



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
F6SRM45/2	F6SR45/2	3"/4"	533	586	566	1119	1099	13.5	38.8	36.9	52.3	50.4
F6SRM45/3	F6SR45/3	3"/4"	600	616	586	1216	1186	14.8	41.7	38.8	56.5	53.6
F6SRM45/4	F6SR45/4	3"/4"	667	666	616	1333	1283	16.0	46.5	41.7	62.5	57.7
-	F6SR45/5	3"/4"	734	-	666	-	1400	17.3	-	46.5	-	63.8
-	F6SR45/6	3"/4"	801	-	716	-	1517	18.5	-	51.3	-	69.8
-	F6SR45/7	3"/4"	868	-	786	-	1654	19.8	-	56.1	-	75.9
-	F6SR45/8	3"/4"	935	-	836	-	1771	21.0	-	60.9	-	81.9
-	F6SR45/9	3"/4"	1002	-	886	-	1888	22.3	-	65.7	-	88.0
-	F6SR45/10	3"/4"	1069	-	936	-	2005	23.5	-	70.5	-	94.0
-	F6SR45/11	3"/4"	1135	-	936	-	2071	24.8	-	70.5	-	95.3
-	F6SR45/12	3"/4"	1202	-	1011	-	2213	26.0	-	77.7	-	103.7
-	F6SR45/13	3"/4"	1269	-	1011	-	2280	27.3	-	77.7	-	105.0
-	F6SR45/14	3"/4"	1336	-	1086	-	2422	28.5	-	84.9	-	113.4
-	F6SR45/15	3"/4"	1403	-	1086	-	2489	29.8	-	84.9	-	114.7
-	F6SR45/16	3"/4"	1470	-	1161	-	2631	31.0	-	92.1	-	123.1
-	F6SR45/17	3"/4"	1537	-	1161	-	2698	32.3	-	92.1	-	124.4

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY												
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	n≈2850 1/min												
Q				m³/h	0	6	12	18	24	30	36	42	48	54	60	
				l/min	0	100	200	300	400	500	600	700	800	900	1000	
F6SRM45/2	F6SR45/2	3	4	H(m)	25	24	23	22	21	20	18	16	14	11	8	
F6SRM45/3	F6SR45/3	4	5.5		37	36	35	33	32	30	27	24	20	16	12	
F6SRM45/4	F6SR45/4	5.5	7.5		50	48	46	44	42	39	36	32	27	22	16	
-	F6SR45/5	7.5	10		62	60	58	55	53	49	45	40	34	27	20	
-	F6SR45/6	9.2	12.5		74	72	70	67	63	59	54	48	41	33	24	
-	F6SR45/7	11	15		87	84	81	78	74	69	63	56	48	38	28	
-	F6SR45/8	13	17.5		99	96	93	89	84	79	72	64	54	44	32	
-	F6SR45/9	15	20		112	108	104	100	95	89	81	72	61	49	36	
-	F6SR45/10	18.5	25		124	120	116	111	105	99	90	80	68	54	40	
-	F6SR45/11	18.5	25		136	132	128	122	116	108	99	88	75	60	44	
-	F6SR45/12	22	30		149	144	139	133	126	118	108	96	82	65	48	
-	F6SR45/13	22	30		161	156	151	144	137	128	117	104	88	71	52	
-	F6SR45/14	26	35		174	168	162	155	148	138	126	112	95	76	56	
-	F6SR45/15	26	35		186	180	174	167	158	148	135	120	102	82	60	
-	F6SR45/16	30	40		198	192	186	178	169	158	144	128	109	87	64	
-	F6SR45/17	30	40		211	204	197	189	179	168	153	136	116	93	68	



F6SR 60

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

Rewindable motor or Full obturated screen motor

Three-phase: 380V - 415V /50Hz

① Direct start (1 cable)

② Star-delta start (2 cables)

Equip with start control box or digital auto-control box

NEMA dimension standards

Curve tolerance according to ISO 9906

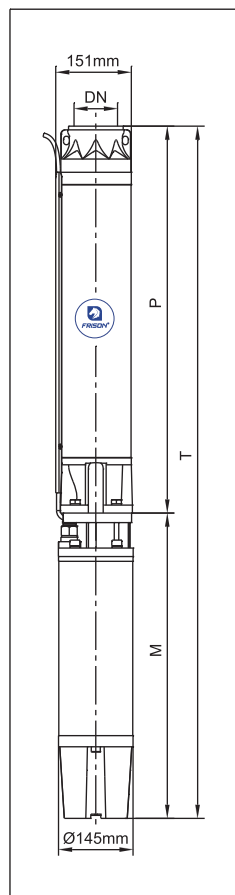
Options on request

Special mechanical seal

Other voltages or frequency 60 Hz

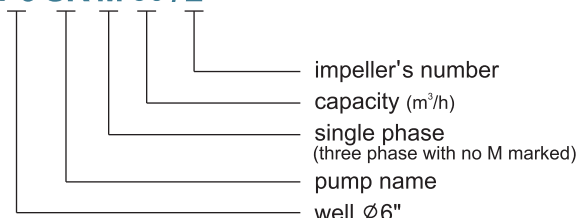
Warranty: 1 year

(according to our general sales conditions).



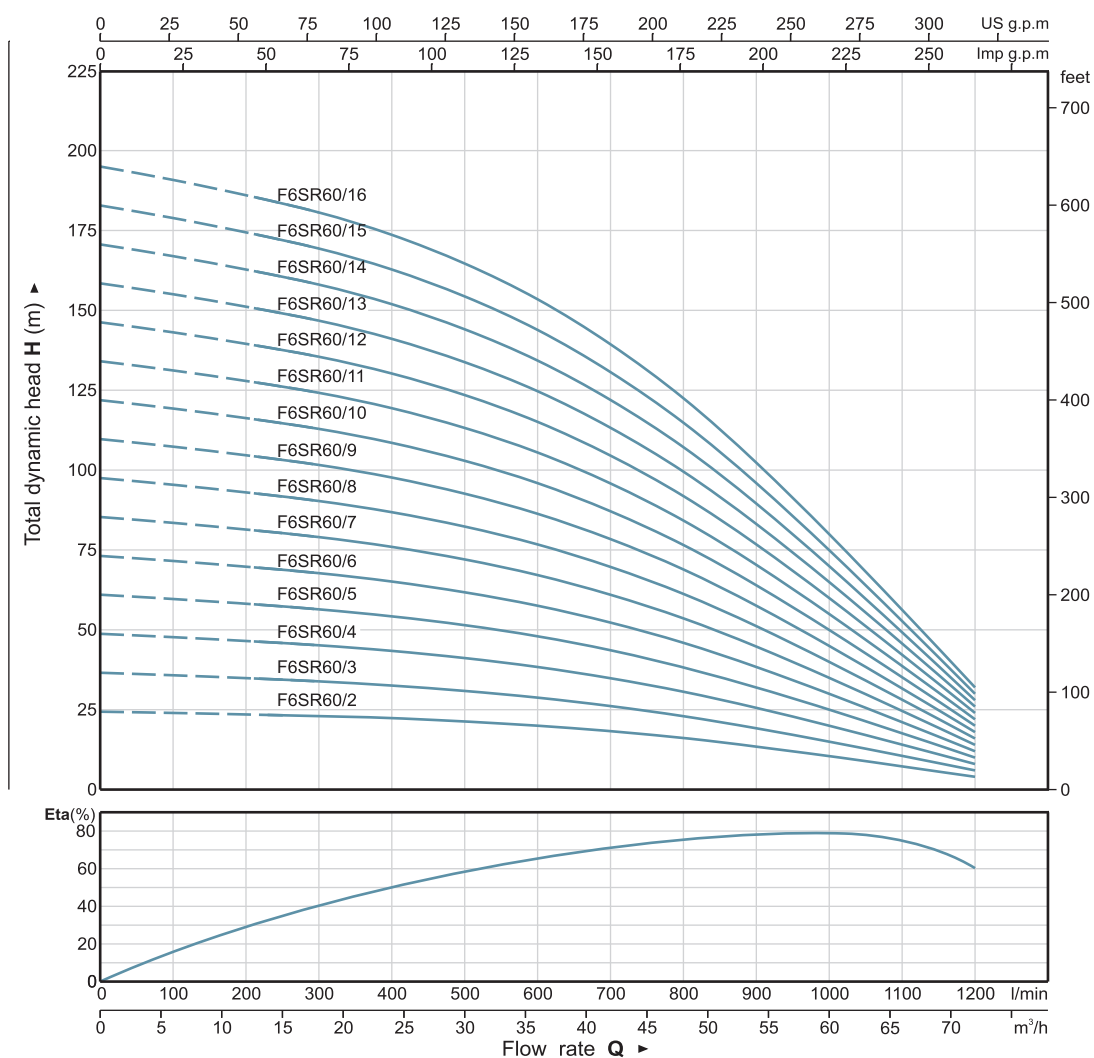
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-iron ASTM N0.30
Suction lantern	Cast-iron ASTM N0.30
Diffuser	Plastic.PC & AISI 304 SS
Impeller	①Plastic.POM ②Plastic.PC
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
Seal	①NBR ②Carbon-SIC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

F6 SR M 60 / 2



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
F6SRM60/2	F6SR60/2	3"/4"	533	616	586	1149	1119	13.5	41.7	38.8	55.2	52.3
F6SRM60/3	F6SR60/3	3"/4"	600	666	616	1266	1216	14.8	46.5	41.7	61.3	56.5
-	F6SR60/4	3"/4"	667	-	666	-	1333	16.0	-	46.5	-	62.5
-	F6SR60/5	3"/4"	734	-	786	-	1520	17.3	-	56.1	-	73.4
-	F6SR60/6	3"/4"	801	-	836	-	1637	18.5	-	60.9	-	79.4
-	F6SR60/7	3"/4"	868	-	886	-	1754	19.8	-	65.7	-	85.5
-	F6SR60/8	3"/4"	935	-	936	-	1871	21.0	-	70.5	-	91.5
-	F6SR60/9	3"/4"	1002	-	936	-	1938	22.3	-	70.5	-	92.8
-	F6SR60/10	3"/4"	1069	-	1011	-	2080	23.5	-	77.7	-	101.2
-	F6SR60/11	3"/4"	1135	-	1086	-	2221	24.8	-	84.9	-	109.7
-	F6SR60/12	3"/4"	1202	-	1086	-	2288	26.0	-	84.9	-	110.9
-	F6SR60/13	3"/4"	1269	-	1161	-	2430	27.3	-	92.1	-	119.4
-	F6SR60/14	3"/4"	1336	-	1161	-	2497	28.5	-	92.1	-	120.6
-	F6SR60/15	3"/4"	1403	-	1261	-	2664	29.8	-	101.7	-	131.5
-	F6SR60/16	3"/4"	1470	-	1261	-	2731	31.0	-	101.7	-	132.7

- In the list: M(s) is single phase motor, M(T) is three phase motor.
- In the list: T(s) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY														n≈2850 1/min			
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	m³/h l/min	0	6	12	18	24	30	36	42	48	54	60	66	72			
						0	100	200	300	400	500	600	700	800	900	1000	1100	1200			
F6SRM60/2	F6SR60/2	4	5.5	H _(m)		24	24	23	23	22	21	19	17	15	13	10	7	4			
F6SRM60/3	F6SR60/3	5.5	7.5			37	36	35	34	33	31	29	26	23	19	15	11	6			
-	F6SR60/4	7.5	10			49	48	47	45	43	41	38	35	31	26	20	14	8			
-	F6SR60/5	11	15			61	60	58	56	54	51	48	44	38	32	25	18	10			
-	F6SR60/6	13	17.5			73	72	70	68	65	62	58	52	46	38	30	21	12			
-	F6SR60/7	15	20			85	84	81	79	76	72	67	61	54	45	35	25	14			
-	F6SR60/8	18.5	25			98	95	93	90	87	82	77	70	61	51	40	28	16			
-	F6SR60/9	18.5	25			110	107	105	102	98	93	86	78	69	58	45	32	18			
-	F6SR60/10	22	30			122	119	116	113	109	103	96	87	77	64	50	35	20			
-	F6SR60/11	26	35			134	131	128	124	119	113	106	96	84	70	55	39	22			
-	F6SR60/12	26	35			146	143	140	136	130	124	115	105	92	77	60	42	24			
-	F6SR60/13	30	40			159	155	151	147	141	134	125	113	100	83	65	46	26			
-	F6SR60/14	30	40			171	167	163	158	152	144	134	122	107	90	70	49	28			
-	F6SR60/15	37	50			183	179	175	170	163	155	144	131	115	96	75	53	30			
-	F6SR60/16	37	50			195	191	186	181	174	165	154	140	123	102	80	56	32			



FS150 A

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.5%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

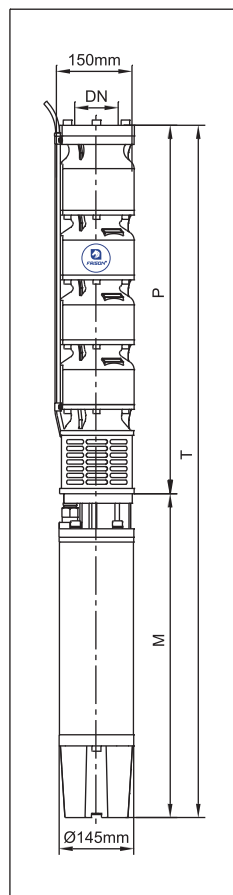
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

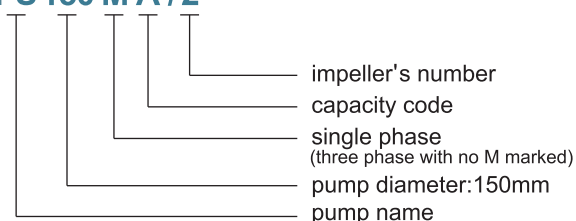
Warranty: 1 year

(according to our general sales conditions).



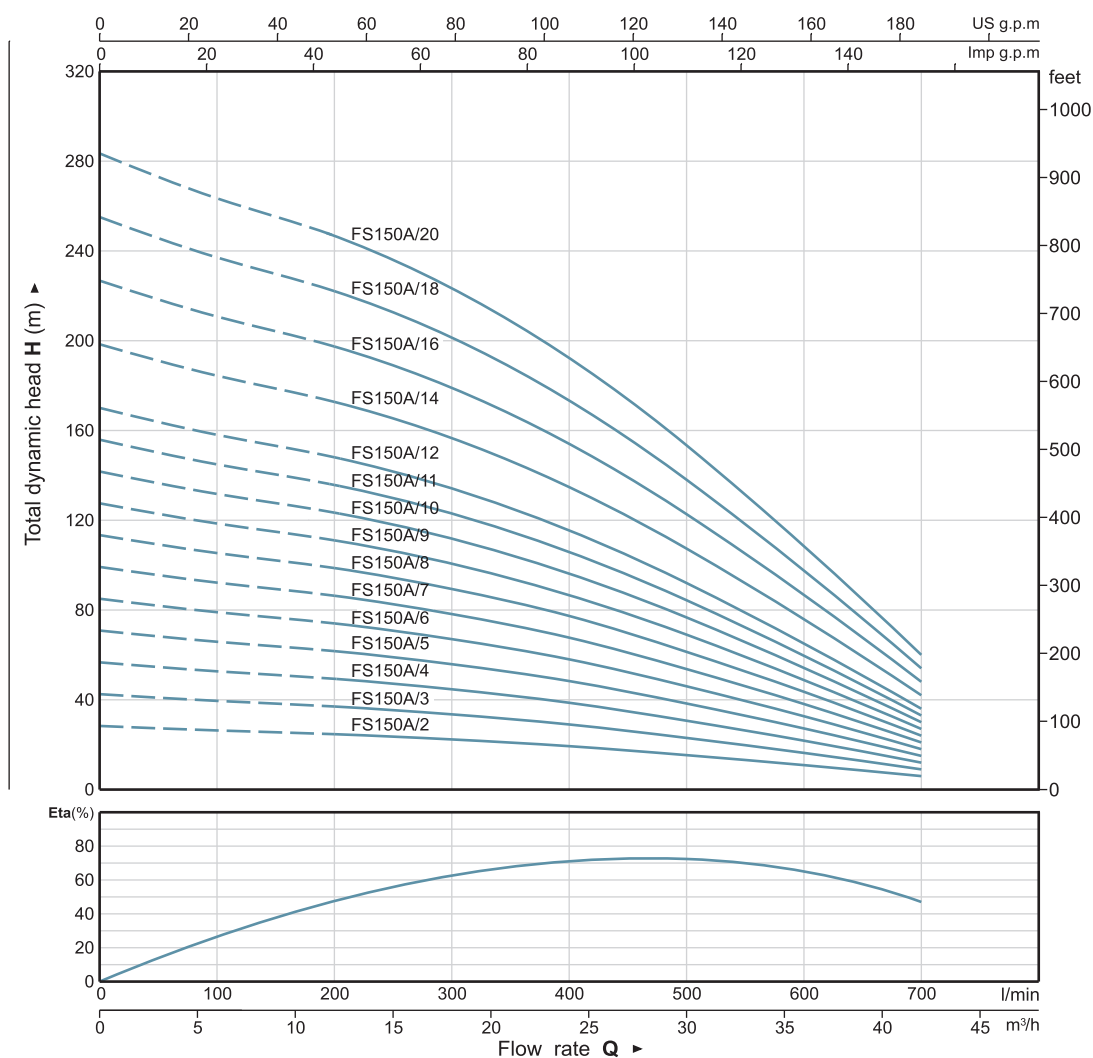
Components	Material
Delivery casing	Cast-iron ASTM N0.30
Check valve	①AISI 304 SS ②AISI 316 SS
Suction lantern	Cast-iron ASTM N0.30
Stage casing	Cast-iron ASTM N0.30
Impeller	①AISI 304 SS ②Cast-Cu ASTM C85500
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
seal	①NBR Graphite-SiC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

FS 150 M A / 2



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
FS150MA/2	FS150A/2	3"/4"	575	586	556	1161	1131	25.1	38.8	35.9	63.9	61
FS150MA/3	FS150A/3	3"/4"	690	616	586	1306	1276	30.9	41.7	38.8	72.6	69.7
FS150MA/4	FS150A/4	3"/4"	805	666	616	1471	1421	36.7	46.5	41.7	83.2	78.4
-	FS150A/5	3"/4"	920	-	666	-	1586	42.6	-	46.5	-	89.1
-	FS150A/6	3"/4"	1035	-	666	-	1701	48.4	-	46.5	-	94.9
-	FS150A/7	3"/4"	1150	-	716	-	1866	54.2	-	51.3	-	105.5
-	FS150A/8	3"/4"	1265	-	786	-	2051	60.0	-	56.1	-	116.1
-	FS150A/9	3"/4"	1380	-	786	-	2166	65.9	-	56.1	-	122.0
-	FS150A/10	3"/4"	1495	-	836	-	2331	71.7	-	60.9	-	132.6
-	FS150A/11	3"/4"	1610	-	886	-	2496	77.5	-	65.7	-	143.2
-	FS150A/12	3"/4"	1725	-	886	-	2611	83.4	-	65.7	-	149.1
-	FS150A/14	3"/4"	1955	-	936	-	2891	95.0	-	70.5	-	165.5
-	FS150A/16	3"/4"	2185	-	936	-	3121	106.7	-	70.5	-	177.2
-	FS150A/18	3"/4"	2415	-	1011	-	3426	118.3	-	77.7	-	196.0
-	FS150A/20	3"/4"	2645	-	1011	-	3656	130.0	-	77.7	-	207.7

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY									
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	n≈2850 1/min									
				Q	m³/h l/min	0	6	12	18	24	30	36	42
						0	100	200	300	400	500	600	700
FS150MA/2	FS150A/2	3	4	H(m)		28	26	25	22	19	15	11	6
FS150MA/3	FS150A/3	4	5.5			42	39	37	33	29	23	16	9
FS150MA/4	FS150A/4	5.5	7.5			57	53	49	45	39	31	22	12
-	FS150A/5	7.5	10			71	66	62	56	48	38	27	15
-	FS150A/6	7.5	10			85	79	74	67	58	46	33	18
-	FS150A/7	9.2	12.5			99	92	86	78	68	54	38	21
-	FS150A/8	11	15			113	105	99	89	77	61	44	24
-	FS150A/9	11	15			127	118	111	100	87	69	49	27
-	FS150A/10	13	17.5			142	132	124	111	96	76	54	30
-	FS150A/11	15	20			156	145	136	123	106	84	60	33
-	FS150A/12	15	20			170	158	148	134	116	92	65	36
-	FS150A/14	18.5	25			198	184	173	156	135	107	76	42
-	FS150A/16	18.5	25			226	210	198	178	154	122	87	48
-	FS150A/18	22	30			255	237	222	201	174	138	98	54
-	FS150A/20	22	30			283	263	247	223	193	153	109	60



FS150 B

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.5%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

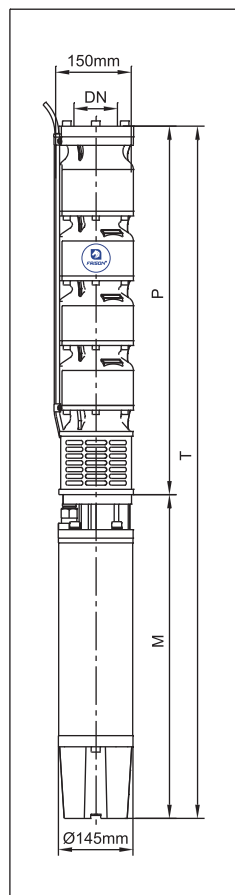
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

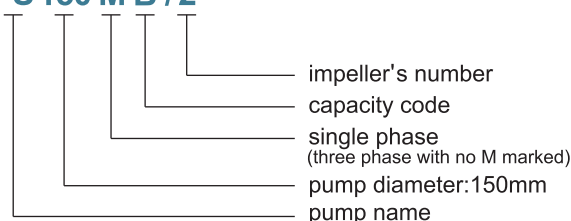
Warranty: 1 year

(according to our general sales conditions).



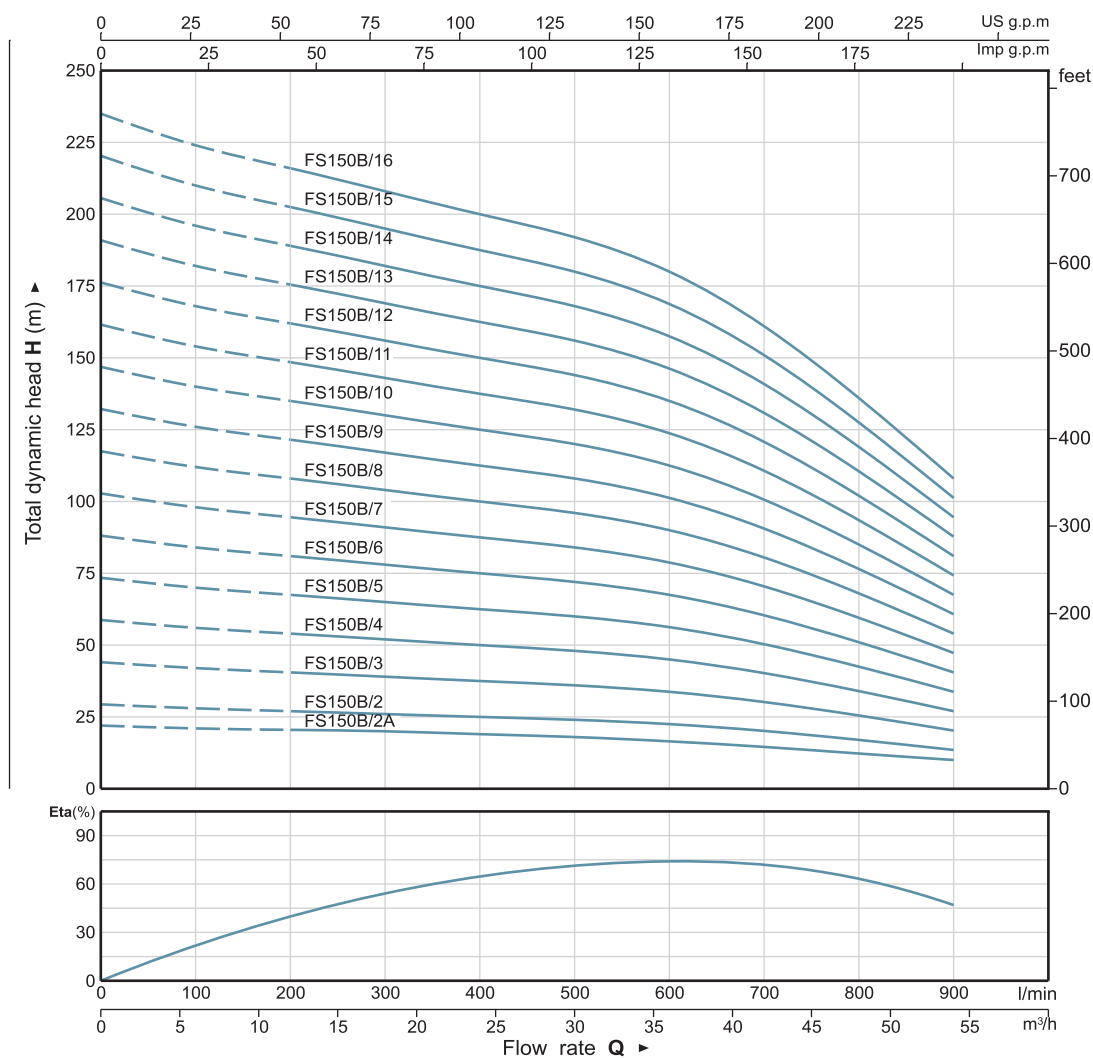
Components	Material
Delivery casing	Cast-iron ASTM N0.30
Check valve	①AISI 304 SS ②AISI 316 SS
Suction lantern	Cast-iron ASTM N0.30
Stage casing	Cast-iron ASTM N0.30
Impeller	①AISI 304 SS ②Cast-Cu ASTM C85500
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
seal	①NBR Graphite-SiC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

FS 150 M B / 2



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
FS150MB/2A	FS150B/2A	3"/4"	575	586	556	1161	1131	25.1	38.8	35.9	63.9	61
FS150MB/2	FS150B/2	3"/4"	575	616	586	1191	1161	25.1	41.7	38.8	66.8	63.9
FS150MB/3	FS150B/3	3"/4"	690	666	616	1356	1306	30.9	46.5	41.7	77.4	72.6
-	FS150B/4	3"/4"	805	-	666	-	1471	36.7	-	46.5	-	83.2
-	FS150B/5	3"/4"	920	-	716	-	1636	42.6	-	51.3	-	93.9
-	FS150B/6	3"/4"	1035	-	786	-	1821	48.4	-	56.1	-	104.5
-	FS150B/7	3"/4"	1150	-	836	-	1986	54.2	-	60.9	-	115.1
-	FS150B/8	3"/4"	1265	-	886	-	2151	60.0	-	65.7	-	125.7
-	FS150B/9	3"/4"	1380	-	936	-	2316	65.9	-	70.5	-	136.4
-	FS150B/10	3"/4"	1495	-	936	-	2431	71.7	-	70.5	-	142.2
-	FS150B/11	3"/4"	1610	-	1011	-	2621	77.5	-	77.7	-	155.2
-	FS150B/12	3"/4"	1725	-	1011	-	2736	83.4	-	77.7	-	161.1
-	FS150B/13	3"/4"	1840	-	1086	-	2926	89.2	-	84.9	-	174.1
-	FS150B/14	3"/4"	1955	-	1086	-	3041	95.0	-	84.9	-	179.9
-	FS150B/15	3"/4"	2070	-	1161	-	3231	100.9	-	92.1	-	193.0
-	FS150B/16	3"/4"	2185	-	1161	-	3346	106.7	-	92.1	-	198.8

- In the list: M(S) is single phase motor, M(T) is three phase motor.
- In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY												n≈2850 1/min		
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	m³/h l/min	0	6	12	18	24	30	36	42	48	54			
						0	100	200	300	400	500	600	700	800	900			
FS150MB/2A	FS150B/2A	3	4	H(m)		22	21	21	20	19	18	17	14	12	10			
FS150MB/2	FS150B/2	4	5.5			29	28	27	26	25	24	23	20	17	14			
FS150MB/3	FS150B/3	5.5	7.5			44	42	40	39	37	36	34	30	26	20			
-	FS150B/4	7.5	10			59	56	54	52	50	48	45	40	34	27			
-	FS150B/5	9.2	12.5			73	70	68	65	63	60	56	50	43	34			
-	FS150B/6	11	15			88	84	81	78	75	72	68	60	51	40			
-	FS150B/7	13	17.5			103	98	95	91	88	84	79	70	60	47			
-	FS150B/8	15	20			118	112	108	104	100	96	90	81	68	54			
-	FS150B/9	18.5	25			132	126	122	117	113	108	101	91	77	61			
-	FS150B/10	18.5	25			147	140	135	130	125	120	113	101	85	68			
-	FS150B/11	22	30			162	154	149	143	138	132	124	111	94	74			
-	FS150B/12	22	30			176	168	162	156	150	144	135	121	102	81			
-	FS150B/13	26	35			191	182	176	169	163	156	146	131	111	88			
-	FS150B/14	26	35			206	196	189	182	175	168	158	141	119	95			
-	FS150B/15	30	40			220	210	203	195	188	180	169	151	128	101			
-	FS150B/16	30	40			235	224	216	208	200	192	180	161	136	108			



FS150 C

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.5%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

Rewindable motor or Full obturated screen motor

Three-phase: 380V - 415V /50Hz

① Direct start (1 cable)

② Star-delta start (2 cables)

Equip with start control box or digital auto-control box

NEMA dimension standards

Curve tolerance according to ISO 9906

Options on request

Special mechanical seal

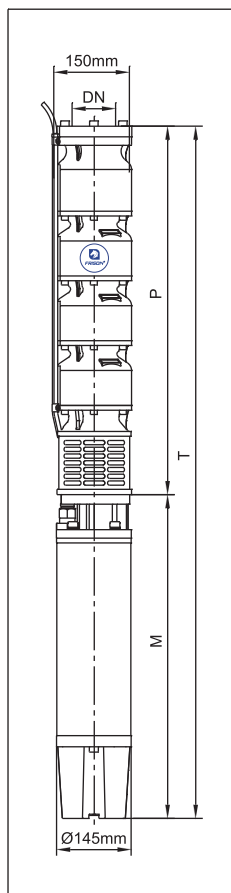
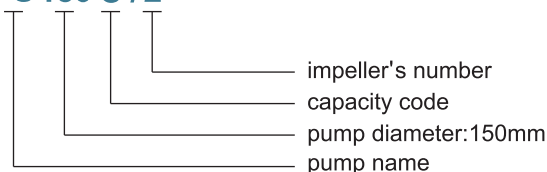
Other voltages or frequency 60 Hz

Warranty: 1 year

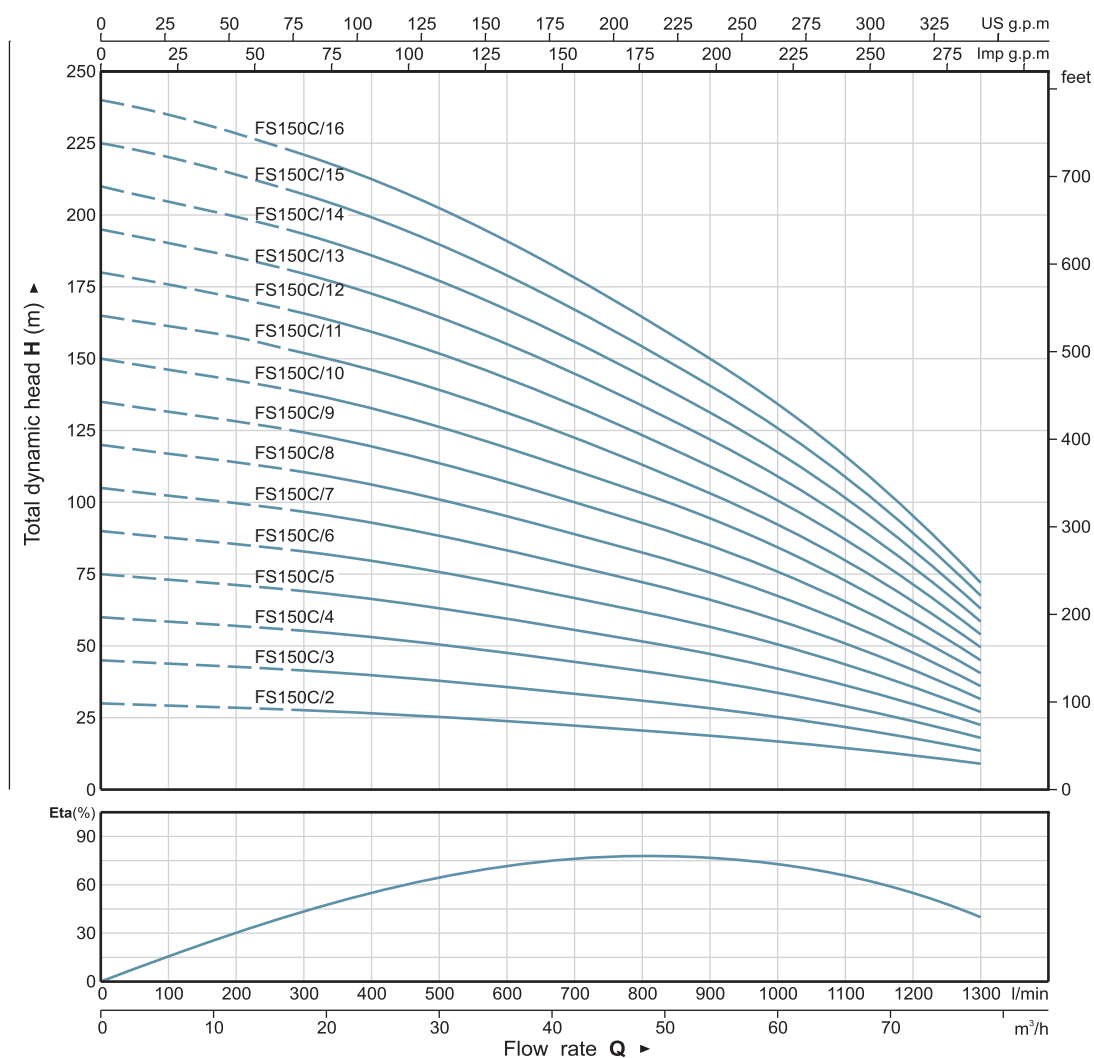
(according to our general sales conditions).

Components	Material
Delivery casing	Cast-iron ASTM N0.30
Check valve	①AISI 304 SS ②AISI 316 SS
Suction lantern	Cast-iron ASTM N0.30
Stage casing	Cast-iron ASTM N0.30
Impeller	①AISI 304 SS ②Cast-Cu ASTM C85500
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
seal	①NBR Graphite-SiC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

FS 150 C / 2



MODEL	DN	DIMENSIONS(mm)			WEIGHT(kg)		
		P	M	T	P	M	T
3 ~ 380V/415V							
FS150C/2	3"/4"	575	616	1191	25.1	41.7	66.8
FS150C/3	3"/4"	690	666	1356	30.9	46.5	77.4
FS150C/4	3"/4"	805	786	1591	36.7	56.1	92.8
FS150C/5	3"/4"	920	836	1756	42.6	60.9	103.5
FS150C/6	3"/4"	1035	886	1921	48.4	65.7	114.1
FS150C/7	3"/4"	1150	936	2086	54.2	70.5	124.7
FS150C/8	3"/4"	1265	936	2201	60.0	70.5	130.5
FS150C/9	3"/4"	1380	1011	2391	65.9	77.7	143.6
FS150C/10	3"/4"	1495	1011	2506	71.7	77.7	149.4
FS150C/11	3"/4"	1610	1086	2696	77.5	84.9	162.4
FS150C/12	3"/4"	1725	1086	2811	83.4	84.9	168.3
FS150C/13	3"/4"	1840	1161	3001	89.2	92.1	181.3
FS150C/14	3"/4"	1955	1161	3116	95.0	92.1	187.1
FS150C/15	3"/4"	2070	1261	3331	100.9	101.7	202.6
FS150C/16	3"/4"	2185	1261	3446	106.7	101.7	208.4



PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY															
3 ~ 380V/415V	KW	HP	n≈2850 1/min															
			Q	m³/h l/min	0	6	12	18	24	30	36	42	48	54	60	66	72	78
					0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300
FS150C/2	5.5	7.5	H _(m)		30	29	29	28	27	26	24	22	21	19	17	15	12	9
FS150C/3	7.5	10			45	44	43	41	40	38	36	33	31	28	25	22	18	14
FS150C/4	11	15			60	59	57	55	53	51	47	44	41	37	34	29	24	18
FS150C/5	13	17.5			75	73	72	69	67	64	59	55	52	47	43	37	30	23
FS150C/6	15	20			90	88	86	83	80	77	71	66	62	56	51	44	36	27
FS150C/7	18.5	25			105	102	100	97	94	89	83	77	72	66	60	52	42	32
FS150C/8	18.5	25			120	117	115	111	107	102	95	88	83	75	68	59	48	36
FS150C/9	22	30			135	132	129	124	120	115	107	99	93	84	77	66	54	41
FS150C/10	22	30			150	146	143	138	134	128	119	110	103	94	85	74	60	45
FS150C/11	26	35			165	161	157	152	147	140	131	121	113	103	94	81	66	50
FS150C/12	26	35			180	176	172	166	161	153	143	132	124	113	102	89	72	54
FS150C/13	30	40			195	190	186	180	174	166	154	143	134	122	111	96	78	59
FS150C/14	30	40			210	205	200	193	187	179	166	154	144	131	119	103	84	63
FS150C/15	37	50			225	219	215	207	201	191	178	165	155	141	128	111	90	68
FS150C/16	37	50			240	234	229	221	214	204	190	176	165	150	136	118	96	72



FSX150 B

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.5%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

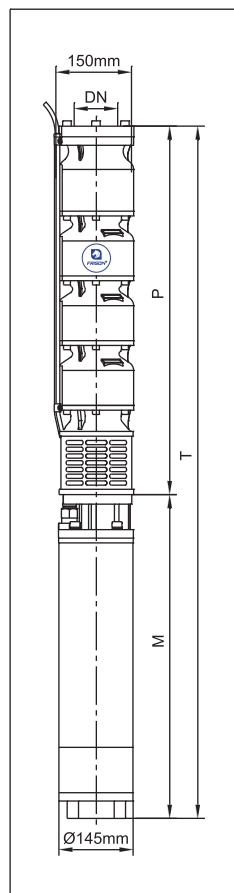
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

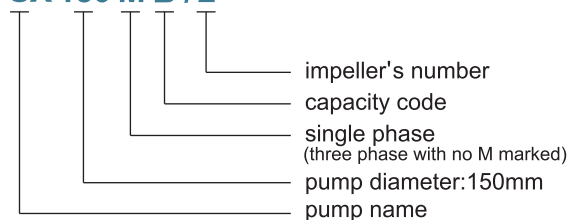
Warranty: 1 year

(according to our general sales conditions).



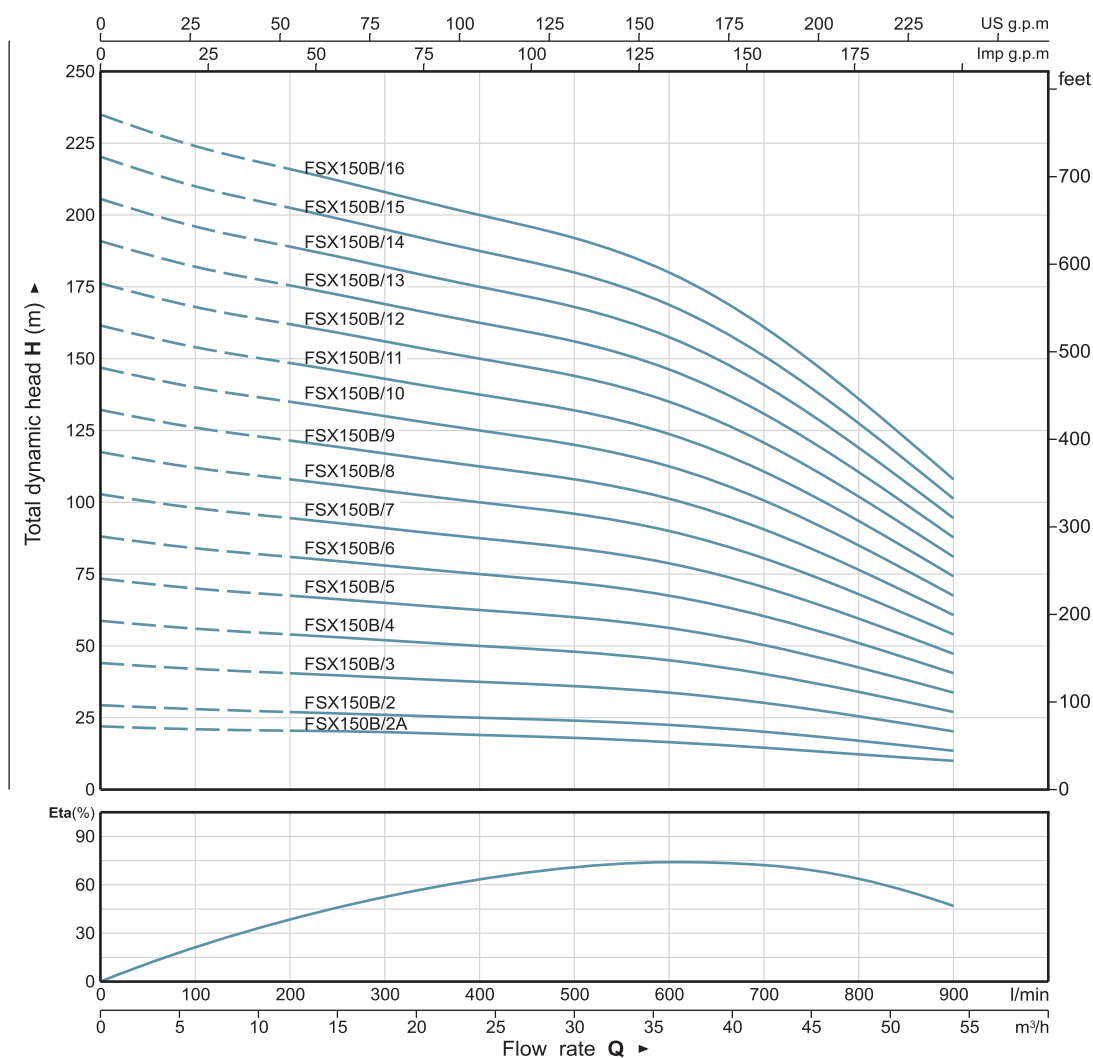
Components	Material
Delivery casing	AISI 304 SS
Check valve	AISI 304 SS
Suction lantern	AISI 304 SS
Stage casing	AISI 304 SS
Impeller	AISI 304 SS
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top check	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
seal	①NBR ②Graphite-SIC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

FSX 150 M B / 2



MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1 ~ 220V/240V	3 ~ 380V/415V		P	M(S)	M(T)	T(S)	T(T)	P	M(S)	M(T)	T(S)	T(T)
FSX150MB/2A	FSX150B/2A	3"/4"	569	536	454	1105	1023	25.1	38.8	32.5	63.9	57.6
FSX150MB/2	FSX150B/2	3"/4"	569	566	499	1135	1068	25.1	41.7	36.9	66.8	62.0
FSX150MB/3	FSX150B/3	3"/4"	681	616	544	1297	1225	30.9	46.5	41.2	77.4	72.1
-	FSX150B/4	3"/4"	793	-	589	-	1382	36.7	-	45.5	-	82.2
-	FSX150B/5	3"/4"	905	-	634	-	1539	42.6	-	49.8	-	92.4
-	FSX150B/6	3"/4"	1017	-	679	-	1696	48.4	-	54.1	-	102.5
-	FSX150B/7	3"/4"	1129	-	724	-	1853	54.2	-	58.5	-	112.7
-	FSX150B/8	3"/4"	1241	-	774	-	2015	60.0	-	63.3	-	123.3
-	FSX150B/9	3"/4"	1353	-	849	-	2202	65.9	-	70.5	-	136.4
-	FSX150B/10	3"/4"	1465	-	849	-	2314	71.7	-	70.5	-	142.2
-	FSX150B/11	3"/4"	1577	-	924	-	2501	77.5	-	77.7	-	155.2
-	FSX150B/12	3"/4"	1689	-	924	-	2613	83.4	-	77.7	-	161.1
-	FSX150B/13	3"/4"	1801	-	999	-	2800	89.2	-	84.9	-	174.1
-	FSX150B/14	3"/4"	1913	-	999	-	2912	95.0	-	84.9	-	179.9
-	FSX150B/15	3"/4"	2025	-	1074	-	3099	100.9	-	92.1	-	193.0
-	FSX150B/16	3"/4"	2137	-	1074	-	3211	106.7	-	92.1	-	198.8

• In the list: M(S) is single phase motor, M(T) is three phase motor.
• In the list: T(S) is single phase motor, T(T) is three phase motor.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY											
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	n≈2850 1/min											
				Q	m³/h l/min	0	6	12	18	24	30	36	42	48	54
						0	100	200	300	400	500	600	700	800	900
FSX150MB/2A	FSX150B/2A	3	4	H(m)		22	21	21	20	19	18	17	14	12	10
FSX150MB/2	FSX150B/2	4	5.5			29	28	27	26	25	24	23	20	17	14
FSX150MB/3	FSX150B/3	5.5	7.5			44	42	40	39	37	36	34	30	26	20
-	FSX150B/4	7.5	10			59	56	54	52	50	48	45	40	34	27
-	FSX150B/5	9.2	12.5			73	70	68	65	63	60	56	50	43	34
-	FSX150B/6	11	15			88	84	81	78	75	72	68	60	51	40
-	FSX150B/7	13	17.5			103	98	95	91	88	84	79	70	60	47
-	FSX150B/8	15	20			118	112	108	104	100	96	90	81	68	54
-	FSX150B/9	18.5	25			132	126	122	117	113	108	101	91	77	61
-	FSX150B/10	18.5	25			147	140	135	130	125	120	113	101	85	68
-	FSX150B/11	22	30			162	154	149	143	138	132	124	111	94	74
-	FSX150B/12	22	30			176	168	162	156	150	144	135	121	102	81
-	FSX150B/13	26	35			191	182	176	169	163	156	146	131	111	88
-	FSX150B/14	26	35			206	196	189	182	175	168	158	141	119	95
-	FSX150B/15	30	40			220	210	203	195	188	180	169	151	128	101
-	FSX150B/16	30	40			235	224	216	208	200	192	180	161	136	108



FSX150 C

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.5%.
Maximum immersion : 100m.
Minimum well diameter : 6".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

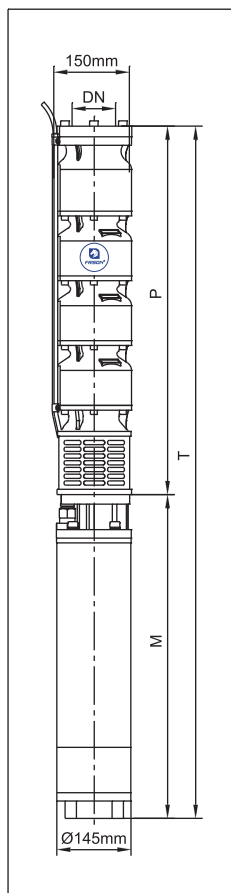
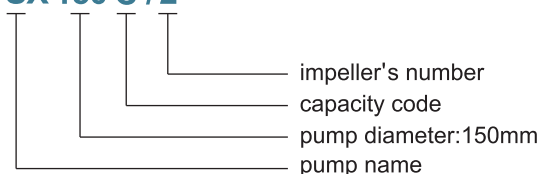
Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 1 year

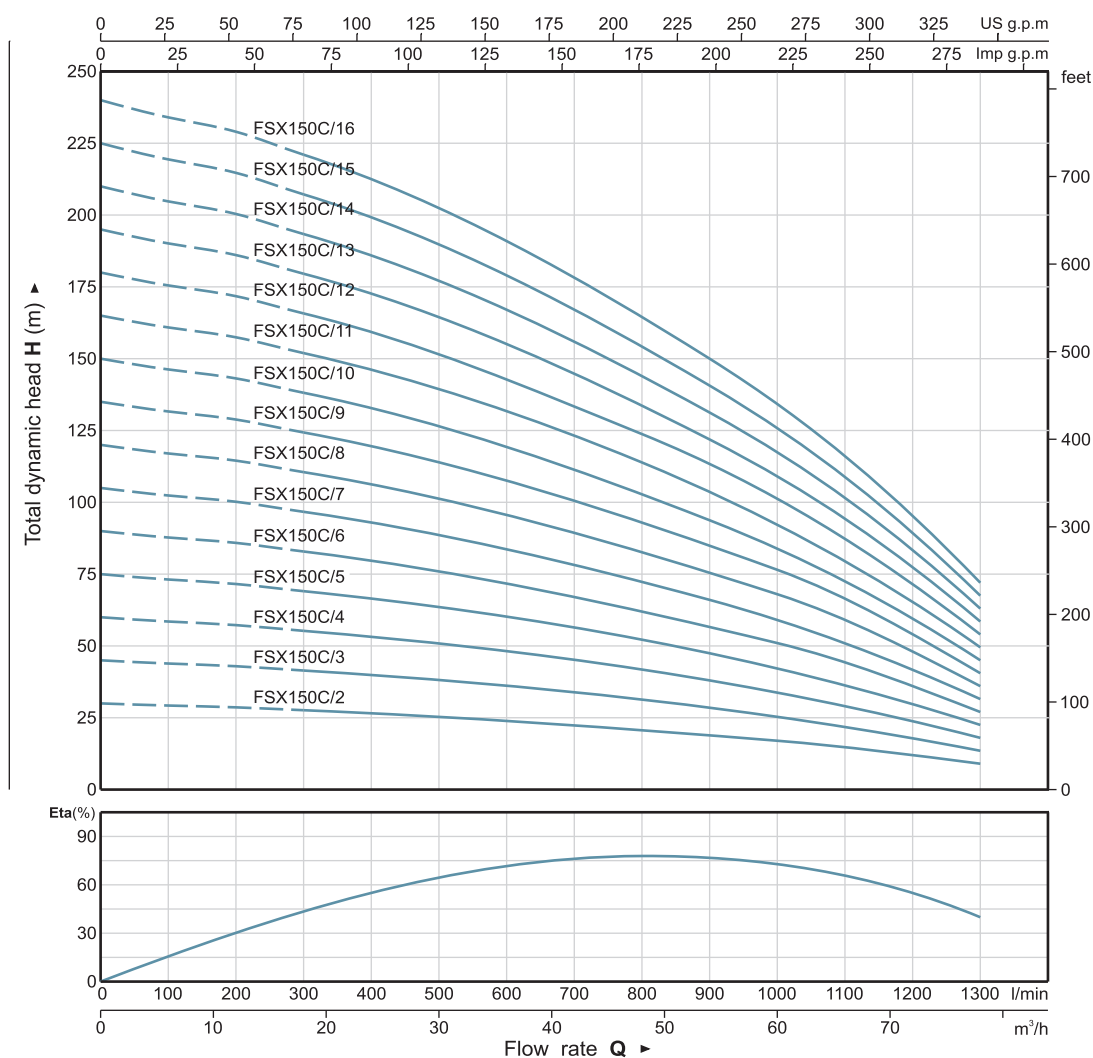
(according to our general sales conditions).

Components	Material
Delivery casing	AISI 304 SS
Check valve	AISI 304 SS
Suction lantern	AISI 304 SS
Stage casing	AISI 304 SS
Impeller	AISI 304 SS
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
seal	①NBR ②Graphite-SiC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

FSX 150 C / 2



MODEL 3~ 380V/415V	DN	DIMENSIONS(mm)			WEIGHT(kg)		
		P	M	T	P	M	T
FSX150C/2	3"/4"	569	544	1113	25.1	41.2	66.3
FSX150C/3	3"/4"	681	589	1270	30.9	45.5	76.4
FSX150C/4	3"/4"	793	679	1472	36.7	54.1	90.8
FSX150C/5	3"/4"	905	724	1629	42.6	58.5	101.1
FSX150C/6	3"/4"	1017	774	1791	48.4	63.3	111.7
FSX150C/7	3"/4"	1129	849	1978	54.2	70.5	124.7
FSX150C/8	3"/4"	1241	849	2090	60.0	70.5	130.5
FSX150C/9	3"/4"	1353	924	2277	65.9	77.7	143.6
FSX150C/10	3"/4"	1465	924	2389	71.7	77.7	149.4
FSX150C/11	3"/4"	1577	999	2576	77.5	84.9	162.4
FSX150C/12	3"/4"	1689	999	2688	83.4	84.9	168.3
FSX150C/13	3"/4"	1801	1074	2875	89.2	92.1	181.3
FSX150C/14	3"/4"	1913	1074	2987	95.0	92.1	187.1
FSX150C/15	3"/4"	2025	1149	3174	100.9	99.3	200.2
FSX150C/16	3"/4"	2137	1149	3286	106.7	99.3	206.0



PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY															
3 ~ 380V/415V	KW	HP	n≈2850 1/min															
			Q	m³/h l/min	0	6	12	18	24	30	36	42	48	54	60	66	72	78
					0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300
FSX150C/2	5.5	7.5	H(m)		30	29	29	28	27	26	24	22	21	19	17	15	12	9
FSX150C/3	7.5	10			45	44	43	41	40	38	36	33	31	28	25	22	18	14
FSX150C/4	11	15			60	59	57	55	53	51	47	44	41	37	34	29	24	18
FSX150C/5	13	17.5			75	73	72	69	67	64	59	55	52	47	43	37	30	23
FSX150C/6	15	20			90	88	86	83	80	77	71	66	62	56	51	44	36	27
FSX150C/7	18.5	25			105	102	100	97	94	89	83	77	72	66	60	52	42	32
FSX150C/8	18.5	25			120	117	115	111	107	102	95	88	83	75	68	59	48	36
FSX150C/9	22	30			135	132	129	124	120	115	107	99	93	84	77	66	54	41
FSX150C/10	22	30			150	146	143	138	134	128	119	110	103	94	85	74	60	45
FSX150C/11	26	35			165	161	157	152	147	140	131	121	113	103	94	81	66	50
FSX150C/12	26	35			180	176	172	166	161	153	143	132	124	113	102	89	72	54
FSX150C/13	30	40			195	190	186	180	174	166	154	143	134	122	111	96	78	59
FSX150C/14	30	40			210	205	200	193	187	179	166	154	144	131	119	103	84	63
FSX150C/15	37	50			225	219	215	207	201	191	178	165	155	141	128	111	90	68
FSX150C/16	37	50			240	234	229	221	214	204	190	176	165	150	136	118	96	72



F8SR 30

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 100m.
Minimum well diameter : 8".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

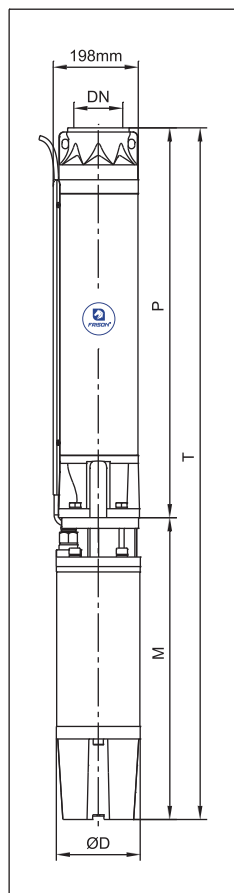
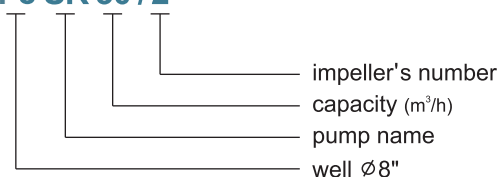
Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 1 year

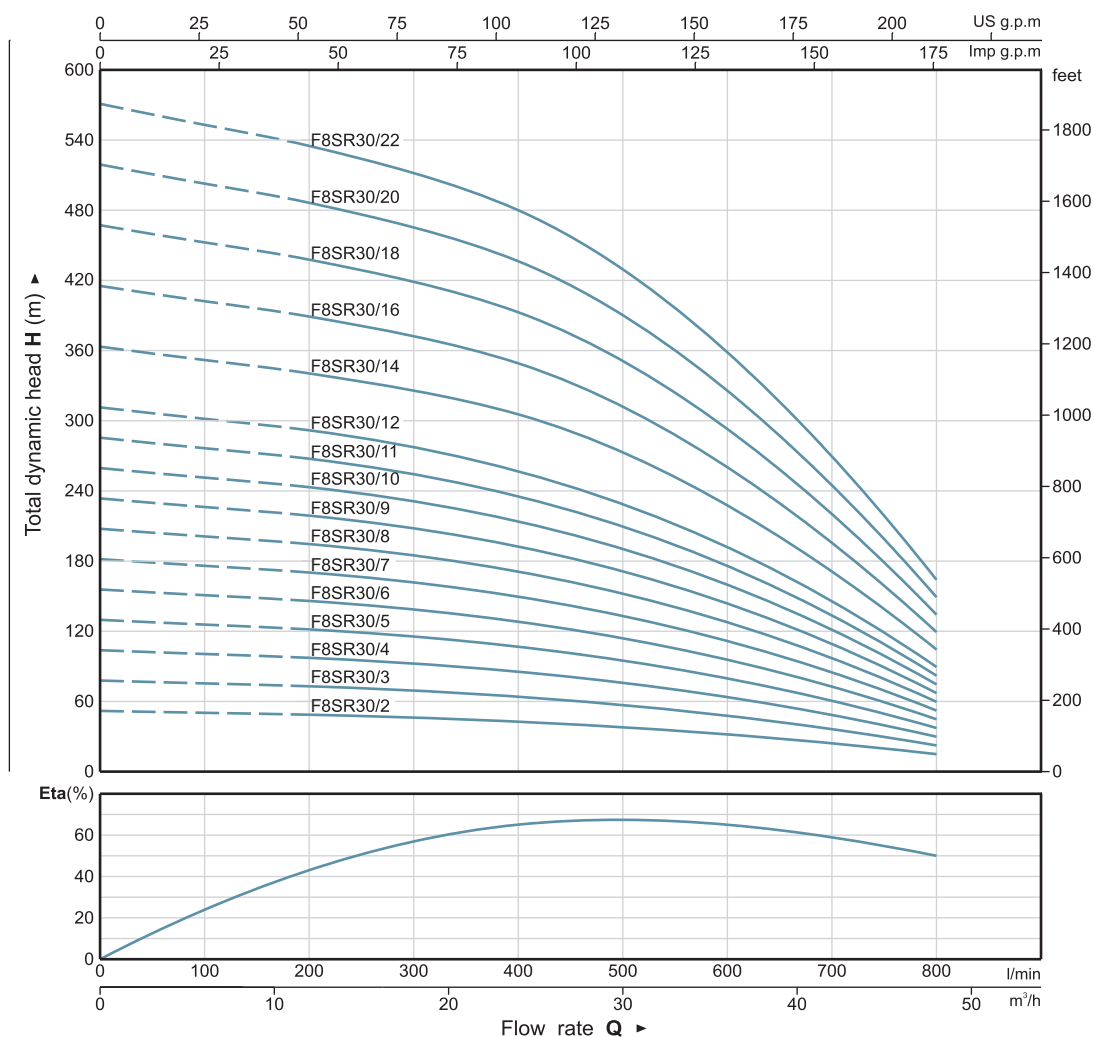
(according to our general sales conditions).

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-iron ASTM N0.30
Suction lantern	Cast-iron ASTM N0.30
Diffuser	Plastic.PC & AISI 304 SS
Impeller	①Plastic.POM ②Plastic.PC
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
Seal	①NBR ②Graphite-SIC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

F8 SR 30 / 2



MODEL	DN	DIMENSIONS(mm)				WEIGHT(kg)		
		P	M	T	ØD	P	M	T
3 ~ 380V/415V								
F8SR30/2	3"/4"	644	616	1260	145	41	42	83
F8SR30/3	3"/4"	708	666	1374	145	45	47	92
F8SR30/4	3"/4"	772	786	1558	145	50	56	106
F8SR30/5	3"/4"	836	836	1672	145	54	61	115
F8SR30/6	3"/4"	900	886	1786	145	59	66	125
F8SR30/7	3"/4"	964	936	1900	145	64	71	135
F8SR30/8	3"/4"	1028	1011	2039	145	68	78	146
F8SR30/9	3"/4"	1192	1011	2203	145	73	78	151
F8SR30/10	3"/4"	1256	1086	2342	145	77	85	162
F8SR30/11	3"/4"	1320	1161	2481	145	82	92	174
F8SR30/12	3"/4"	1384	1161	2545	145	87	92	179
F8SR30/14	3"/4"	1512	938	2450	192	96	146	242
F8SR30/16	3"/4"	1668	1008	2676	192	105	159	264
F8SR30/18	3"/4"	1896	1008	2904	192	114	159	273
F8SR30/20	3"/4"	2024	1148	3172	192	123	188	311
F8SR30/22	3"/4"	2152	1148	3300	192	133	188	321



PERFORMANCE DATA 50Hz

MODEL 3 ~ 380V/415V	P ₂		Q	DELIVERY									
	KW	HP		m³/h l/min	0	6	12	18	24	30	36	42	48
					0	100	200	300	400	500	600	700	800
F8SR30/2	5.5	7.5	H _(m)		52	50	49	46	44	39	32	25	15
F8SR30/3	7.5	10			78	75	73	70	65	58	48	37	22
F8SR30/4	11	15			104	101	97	93	87	77	64	49	30
F8SR30/5	13	17.5			130	126	122	116	109	97	80	61	37
F8SR30/6	15	20			156	151	146	139	131	116	96	74	45
F8SR30/7	18.5	25			182	176	170	162	153	136	112	86	52
F8SR30/8	22	30			208	201	195	185	175	155	128	98	60
F8SR30/9	22	30			234	226	219	209	196	174	144	110	67
F8SR30/10	26	35			260	251	243	232	218	194	160	123	75
F8SR30/11	30	40			286	277	268	255	240	213	177	135	82
F8SR30/12	30	40			311	302	292	278	262	232	193	147	89
F8SR30/14	37	50			363	352	340	325	305	271	225	172	104
F8SR30/16	45	60			415	402	389	371	349	310	257	196	119
F8SR30/18	45	60			467	452	438	417	393	349	289	221	134
F8SR30/20	55	75			519	503	486	464	436	387	321	245	149
F8SR30/22	55	75			571	553	535	510	480	426	353	270	164



F8SR 45

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 100m.
Minimum well diameter : 8".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

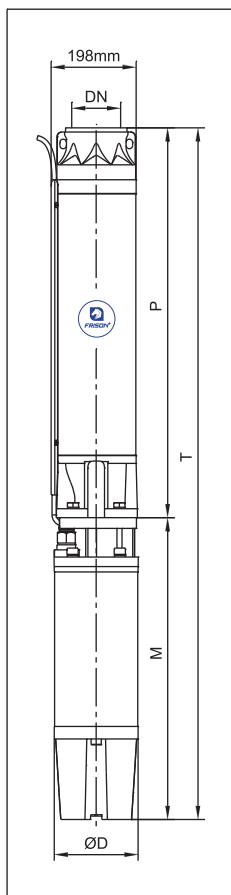
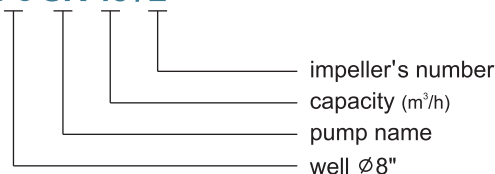
Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 1 year

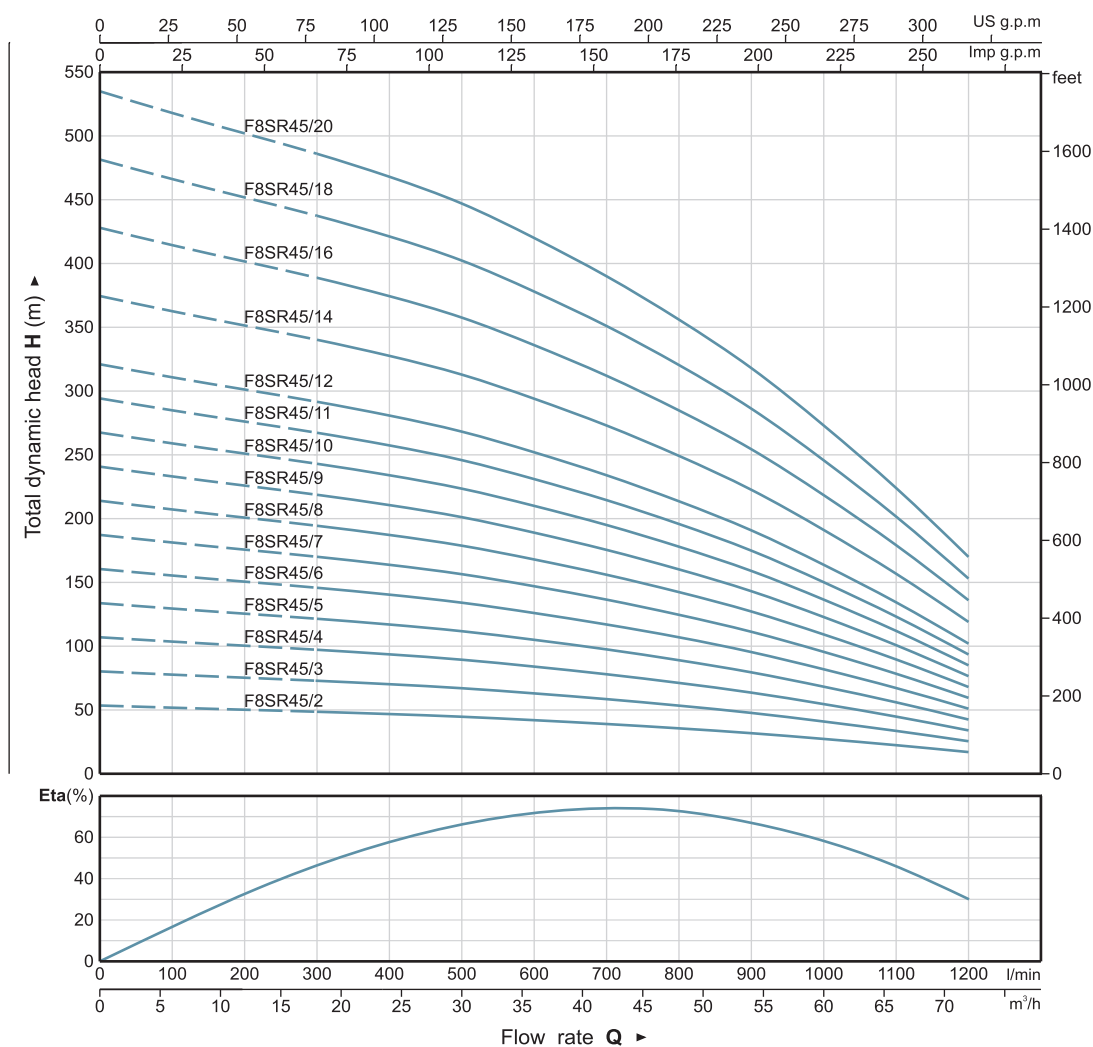
(according to our general sales conditions).

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-iron ASTM N0.30
Suction lantern	Cast-iron ASTM N0.30
Diffuser	Plastic.PC & AISI 304 SS
Impeller	①Plastic.POM ②Plastic.PC
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
Seal	①NBR ②Graphite-SIC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

F8 SR 45 / 2



MODEL	DN	DIMENSIONS(mm)				WEIGHT(kg)		
		P	M	T	ØD	P	M	T
3 ~ 380V/415V								
F8SR45/2	3"/4"	663	666	1329	145	41	47	88
F8SR45/3	3"/4"	722	786	1508	145	46	56	102
F8SR45/4	3"/4"	790	886	1676	145	50	66	116
F8SR45/5	3"/4"	859	936	1795	145	55	71	126
F8SR45/6	3"/4"	927	1011	1938	145	60	78	138
F8SR45/7	3"/4"	996	1086	2082	145	65	85	150
F8SR45/8	3"/4"	1114	1161	2275	145	70	92	162
F8SR45/9	3"/4"	1247	925	2172	192	74	146	220
F8SR45/10	3"/4"	1315	925	2240	192	79	146	225
F8SR45/11	3"/4"	1384	995	2379	192	84	159	243
F8SR45/12	3"/4"	1452	995	2447	192	89	159	248
F8SR45/14	3"/4"	1589	1065	2654	192	98	180	278
F8SR45/16	3"/4"	1790	1185	2975	192	108	195	303
F8SR45/18	3"/4"	1977	1335	3312	192	118	221	339
F8SR45/20	3"/4"	2114	1335	3449	192	127	221	348



PERFORMANCE DATA 50Hz

MODEL 3 ~ 380V/415V	P ₂		DELIVERY														n≈2850 1/min	
	KW	HP	Q $\frac{m^3/h}{l/min}$	0	6	12	18	24	30	36	42	48	54	60	66	72		
				0	100	200	300	400	500	600	700	800	900	1000	1100	1200		
F8SR45/2	7.5	10	H(m)	54	52	50	49	47	45	42	39	36	32	27	22	17		
F8SR45/3	11	15		80	78	75	73	70	67	63	58	53	48	41	34	25		
F8SR45/4	15	20		107	104	100	97	94	89	84	78	71	64	55	45	34		
F8SR45/5	18.5	25		134	129	125	121	117	112	105	97	89	79	68	56	42		
F8SR45/6	22	30		161	155	151	146	140	134	126	117	107	95	82	67	51		
F8SR45/7	26	35		187	181	176	170	164	156	147	136	125	111	96	78	59		
F8SR45/8	30	40		214	207	201	194	187	179	168	156	142	127	109	90	68		
F8SR45/9	37	50		241	233	226	219	211	201	189	175	160	143	123	101	76		
F8SR45/10	37	50		268	259	251	243	234	223	210	195	178	159	136	112	85		
F8SR45/11	45	60		294	285	276	267	257	246	231	215	196	175	150	123	93		
F8SR45/12	45	60		321	311	301	292	281	268	252	234	214	191	164	134	102		
F8SR45/14	55	75		375	363	351	340	328	313	294	273	249	223	191	157	119		
F8SR45/16	63	85		428	414	402	389	374	358	336	312	285	254	218	179	136		
F8SR45/18	75	100		482	466	452	437	421	402	378	351	320	286	246	202	153		
F8SR45/20	75	100		535	518	502	486	468	447	420	390	356	318	273	224	170		



F8SR 60

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 100m.
Minimum well diameter : 8".

Motor and Pump

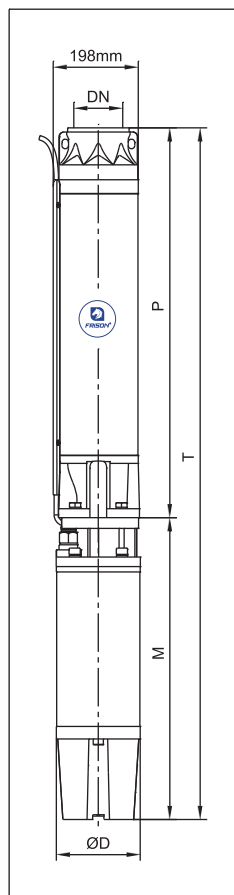
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

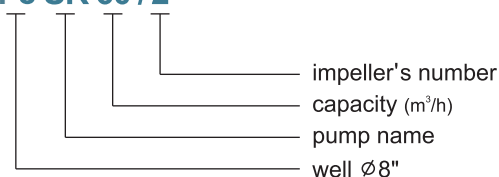
Warranty: 1 year

(according to our general sales conditions).

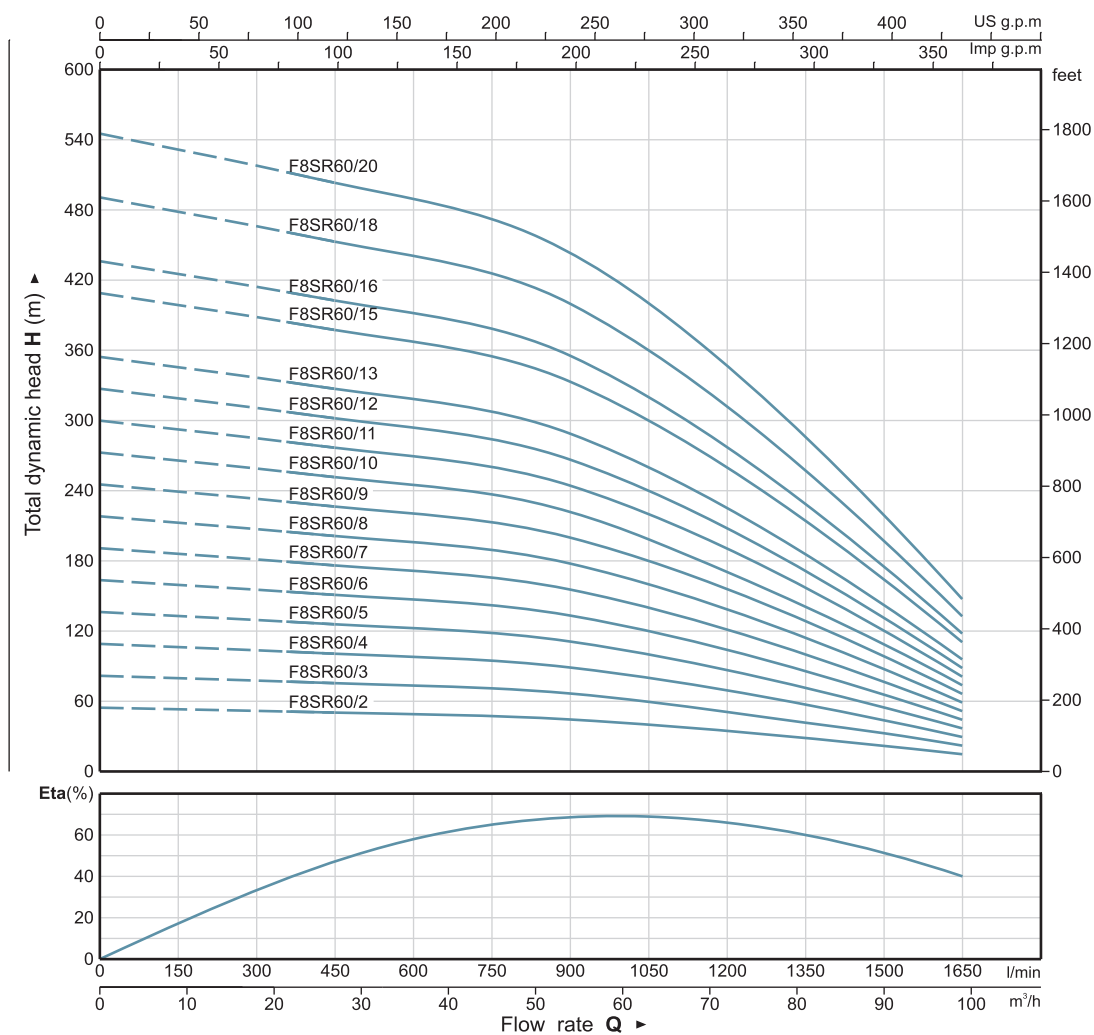


Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-iron ASTM N0.30
Suction lantern	Cast-iron ASTM N0.30
Diffuser	Plastic.PC & AISI 304 SS
Impeller	①Plastic.POM ②Plastic.PC
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
Seal	①NBR ②Graphite-SIC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

F8 SR 60 / 2



MODEL	DN	DIMENSIONS(mm)				WEIGHT(kg)		
		P	M	T	ØD	P	M	T
3 ~ 380V/415V								
F8SR60/2	3"/4"	662	716	1378	145	41	51	92
F8SR60/3	3"/4"	735	886	1621	145	46	66	112
F8SR60/4	3"/4"	808	936	1744	145	51	71	122
F8SR60/5	3"/4"	881	1086	1967	145	56	85	141
F8SR60/6	3"/4"	954	1161	2115	145	61	92	153
F8SR60/7	3"/4"	1027	938	1965	192	66	146	212
F8SR60/8	3"/4"	1200	1008	2208	192	71	159	230
F8SR60/9	3"/4"	1301	1008	2309	192	76	159	235
F8SR60/10	3"/4"	1374	1078	2452	192	81	172	253
F8SR60/11	3"/4"	1447	1078	2525	192	86	172	258
F8SR30/12	3"/4"	1520	1148	2668	192	91	188	279
F8SR60/13	3"/4"	1666	1148	2814	192	101	188	289
F8SR60/15	3"/4"	1912	1348	3260	192	111	221	332
F8SR60/16	3"/4"	2058	1348	3406	192	121	221	342
F8SR60/18	3"/4"	2131	1508	3639	192	126	251	377
F8SR60/20	3"/4"	2204	1508	3712	192	131	251	382



PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY													n≈2850 1/min	
3 ~ 380V/415V	KW	HP	Q	m³/h	0	9	18	27	36	45	54	63	72	81	90	99	
				l/min	0	150	300	450	600	750	900	1050	1200	1350	1500	1650	
F8SR60/2	9.2	12.5	H _(m)		55	53	52	50	49	47	44	40	34	28	22	15	
F8SR60/3	15	20			82	80	78	75	73	71	67	60	51	42	33	22	
F8SR60/4	18.5	25			109	106	104	101	98	95	89	79	68	56	44	29	
F8SR60/5	26	35			136	133	130	126	122	119	111	99	85	69	54	37	
F8SR60/6	30	40			164	160	155	151	147	142	133	119	102	83	65	44	
F8SR60/7	37	50			191	186	181	176	171	166	155	139	119	97	76	51	
F8SR60/8	45	60			218	213	207	201	196	190	178	159	136	111	87	59	
F8SR60/9	45	60			245	239	233	226	220	213	200	179	153	125	98	66	
F8SR60/10	55	75			273	266	259	252	245	237	222	199	170	139	109	73	
F8SR60/11	55	75			300	293	285	277	269	261	244	218	186	153	120	81	
F8SR30/12	63	85			327	319	311	302	293	284	266	238	203	167	131	88	
F8SR60/13	63	85			354	346	337	327	318	308	289	258	220	181	142	96	
F8SR60/15	75	100			409	399	389	377	367	355	333	298	254	208	163	110	
F8SR60/16	75	100			436	426	414	402	391	379	355	318	271	222	174	118	
F8SR60/18	92	125			491	479	466	453	440	427	400	357	305	250	196	132	
F8SR60/20	92	125			545	532	518	503	489	474	444	397	339	278	218	147	



F8SR 77

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.25%.
Maximum immersion : 100m.
Minimum well diameter : 8".

Motor and Pump

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
① Direct start (1 cable)
② Star-delta start (2 cables)
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

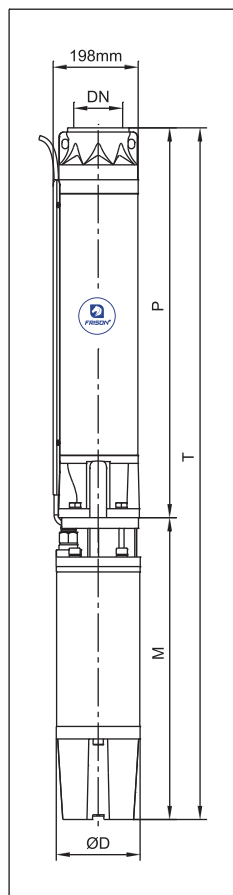
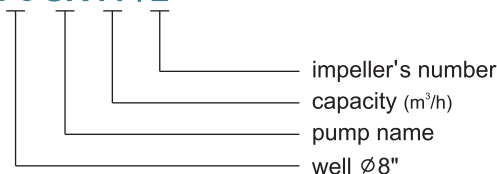
Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 1 year

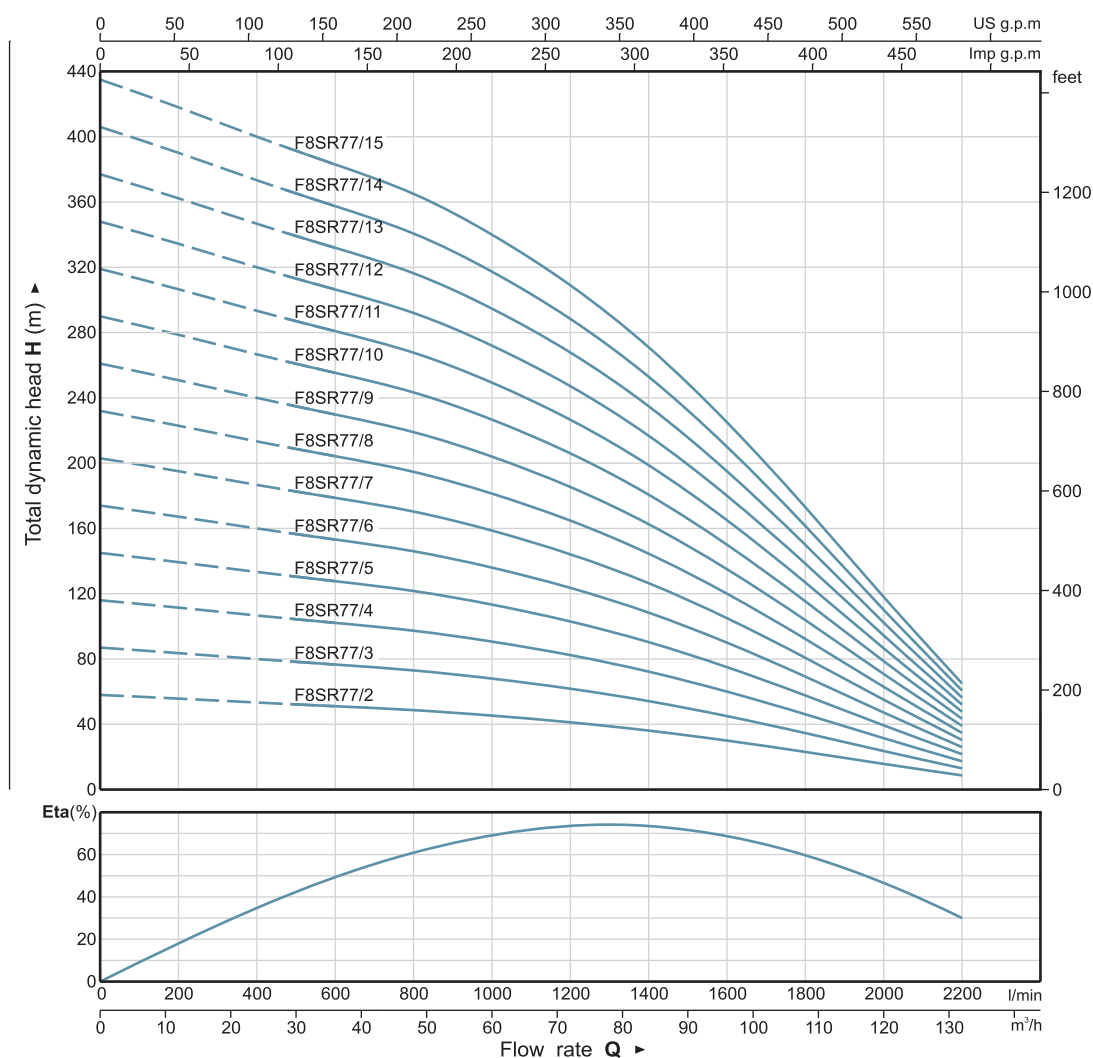
(according to our general sales conditions).

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-iron ASTM N0.30
Suction lantern	Cast-iron ASTM N0.30
Diffuser	Plastic.PC & AISI 304 SS
Impeller	①Plastic.POM ②Plastic.PC
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
Seal	①NBR ②Graphite-SIC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

F8 SR 77 / 2



MODEL	DN	DIMENSIONS(mm)				WEIGHT(kg)		
		P	M	T	ØD	P	M	T
3 ~ 380V/415V								
F8SR77/2	3"/4"	662	836	1498	145	41	61	102
F8SR77/3	3"/4"	735	936	1671	145	46	71	117
F8SR77/4	3"/4"	808	1086	1894	145	51	85	136
F8SR77/5	3"/4"	881	1161	2042	145	56	92	148
F8SR77/6	3"/4"	954	925	1879	192	61	146	207
F8SR77/7	3"/4"	1054	995	2049	192	66	159	225
F8SR77/8	3"/4"	1227	995	2222	192	71	159	230
F8SR77/9	3"/4"	1300	1065	2365	192	76	180	256
F8SR77/10	3"/4"	1373	1185	2558	192	81	195	276
F8SR77/11	3"/4"	1446	1185	2631	192	86	195	281
F8SR77/12	3"/4"	1519	1335	2854	192	91	221	312
F8SR77/13	3"/4"	1592	1335	2927	192	86	221	307
F8SR77/14	3"/4"	1665	1495	3160	192	101	251	352
F8SR77/15	3"/4"	1738	1495	3233	192	106	251	357



PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY													
3 ~ 380V/415V	KW	HP	n≈2850 1/min													
			Q	$\frac{\text{m}^3/\text{h}}{\text{l/min}}$	0	12	24	36	48	60	72	84	96	108	120	132
					0	200	400	600	800	1000	1200	1400	1600	1800	2000	2200
F8SR77/2	13	17.5	H _(m)		58	56	53	51	49	45	41	36	30	23	16	9
F8SR77/3	18.5	25			87	84	80	77	73	68	62	54	45	35	24	13
F8SR77/4	26	35			116	111	107	102	97	91	82	72	60	46	31	17
F8SR77/5	30	40			145	139	133	128	122	113	103	90	75	58	39	22
F8SR77/6	37	50			174	167	160	153	146	136	124	108	90	69	47	26
F8SR77/7	45	60			203	195	187	179	170	159	144	126	105	81	55	30
F8SR77/8	45	60			232	223	213	204	195	181	165	145	120	92	63	35
F8SR77/9	55	75			261	251	240	230	219	204	185	163	135	104	71	39
F8SR77/10	63	85			290	279	267	255	243	227	206	181	150	115	79	43
F8SR77/11	63	85			319	307	293	281	268	249	227	199	165	127	87	48
F8SR77/12	75	100			348	334	320	306	292	272	247	217	180	138	94	52
F8SR77/13	75	100			377	362	347	332	316	295	268	235	195	150	102	56
F8SR77/14	92	125			406	390	373	357	341	317	288	253	210	161	110	61
F8SR77/15	92	125			435	418	400	383	365	340	309	271	225	173	118	65



FS200 A

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.5%.
Maximum immersion : 100m.
Minimum well diameter : 8".

Motor and Pump

Rewindable motor or Full obturated screen motor

Three-phase: 380V - 415V /50Hz

① Direct start (1 cable)

② Star-delta start (2 cables)

Equip with start control box or digital auto-control box

NEMA dimension standards

Curve tolerance according to ISO 9906

Components	Material
Delivery casing	Cast-iron ASTM N0.30
Check valve	①AISI 304 SS ②AISI 316 SS
Suction lantern	Cast-iron ASTM N0.30
Stage casing	Cast-iron ASTM N0.30
Impeller	①AISI 304 SS ②Cast-Cu ASTM C85500
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
seal	①NBR ②Graphite-SIC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

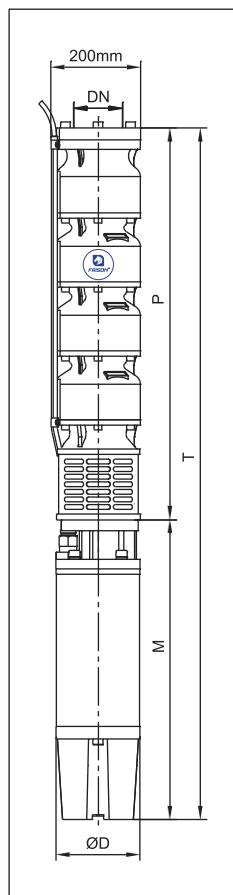
Options on request

Special mechanical seal

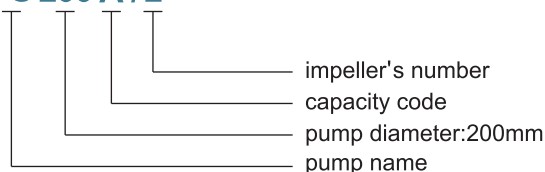
Other voltages or frequency 60 Hz

Warranty: 1 year

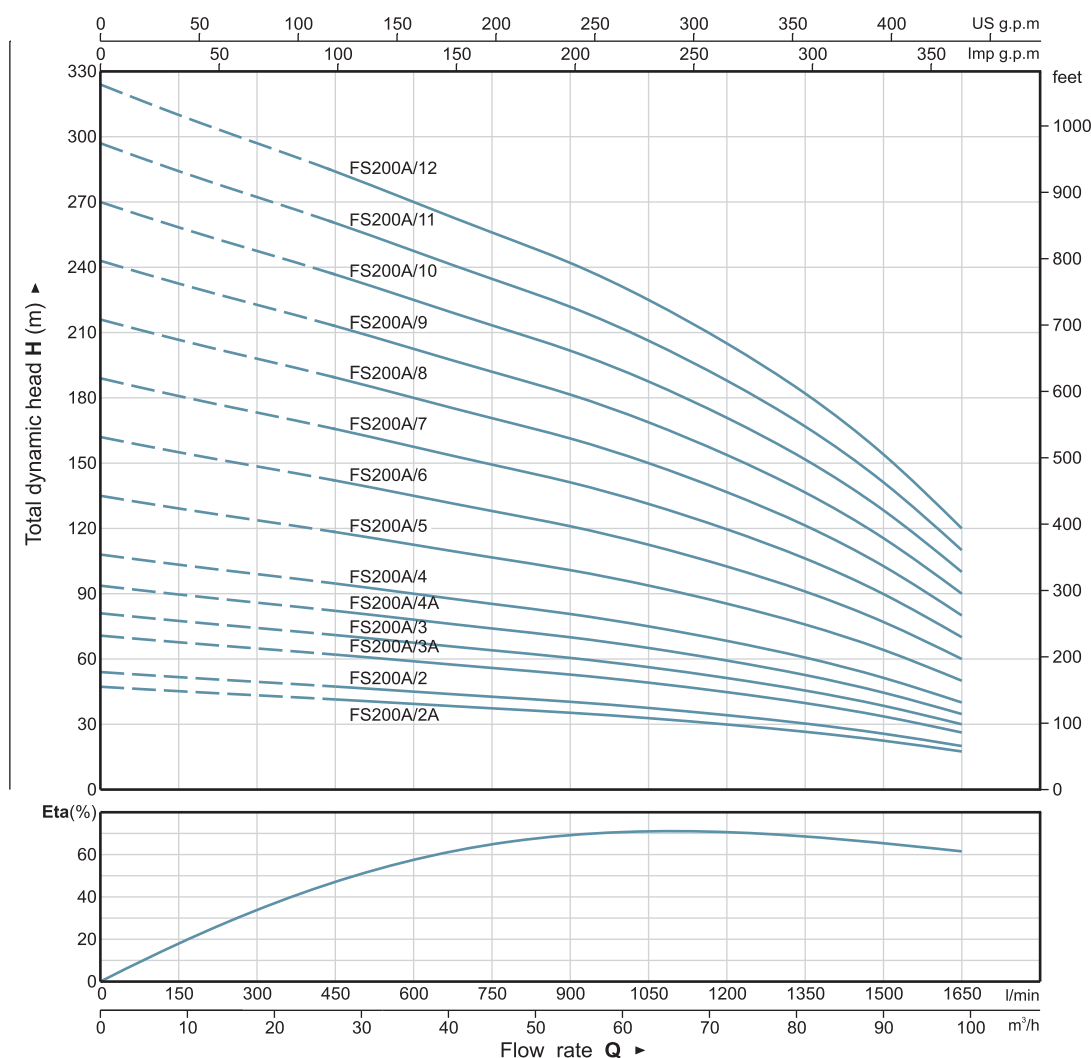
(according to our general sales conditions).



FS 200 A / 2



MODEL	DN	DIMENSIONS(mm)				WEIGHT(kg)		
		P	M	T	ØD	P	M	T
3 ~ 380V/415V								
FS200A/2A	5"	750	666	1416	145	49	47	96
FS200A/2	5"	750	716	1466	145	49	51	100
FS200A/3A	5"	890	786	1676	145	62	56	118
FS200A/3	5"	890	836	1726	145	62	61	123
FS200A/4A	5"	1030	886	1916	145	74	66	140
FS200A/4	5"	1030	936	1966	145	74	71	145
FS200A/5	5"	1170	1011	2181	145	87	78	165
FS200A/6	5"	1310	1086	2396	145	99	85	184
FS200A/7	5"	1450	1161	2611	145	112	92	204
FS200A/8	5"	1590	925	2515	192	124	146	270
FS200A/9	5"	1730	995	2725	192	137	159	296
FS200A/10	5"	1870	995	2865	192	149	159	308
FS200A/11	5"	2010	1065	3075	192	162	180	342
FS200A/12	5"	2150	1065	3215	192	174	180	354



PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY													
	KW	HP	n≈2850 1/min													
3 ~ 380V/415V			Q	m³/h	0	9	18	27	36	45	54	63	72	81	90	99
				l/min	0	150	300	450	600	750	900	1050	1200	1350	1500	1650
FS200A/2A	7.5	10	H _(m)		47	45	43	41	39	37	35	33	30	27	22	18
FS200A/2	9.2	12.5			54	52	49	47	45	43	40	37	34	30	26	20
FS200A/3A	11	15			71	68	65	62	59	56	53	49	45	40	34	26
FS200A/3	13	17.5			81	77	74	71	67	64	60	56	51	45	38	30
FS200A/4A	15	20			94	90	86	82	78	74	70	65	59	53	45	35
FS200A/4	18.5	25			108	103	99	95	90	85	81	75	68	61	51	40
FS200A/5	22	30			135	129	124	118	112	107	101	94	85	76	64	50
FS200A/6	26	35			162	155	148	142	135	128	121	112	102	91	77	60
FS200A/7	30	40			189	181	173	166	158	149	141	131	120	106	90	70
FS200A/8	37	50			216	207	198	189	180	171	161	150	137	121	103	80
FS200A/9	45	60			243	233	223	213	203	192	182	169	154	136	115	90
FS200A/10	45	60			270	258	248	237	225	213	202	188	171	152	128	100
FS200A/11	55	75			297	284	272	260	248	235	222	206	188	167	141	110
FS200A/12	55	75			324	310	297	284	270	256	242	225	205	182	154	120



FS200 B

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +50 °C .
Maximum sand content : 0.5%.
Maximum immersion : 100m.
Minimum well diameter : 8".

Motor and Pump

Rewindable motor or Full obturated screen motor

Three-phase: 380V - 415V /50Hz

① Direct start (1 cable)

② Star-delta start (2 cables)

Equip with start control box or digital auto-control box

NEMA dimension standards

Curve tolerance according to ISO 9906

Options on request

Special mechanical seal

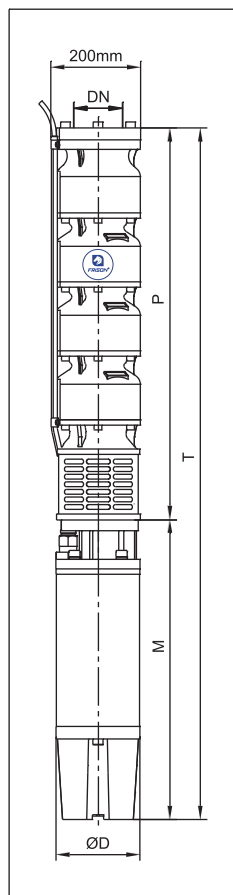
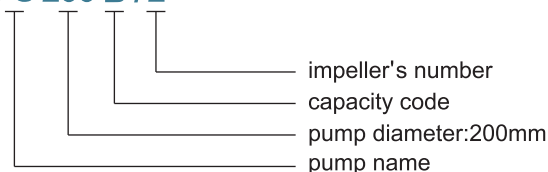
Other voltages or frequency 60 Hz

Warranty: 1 year

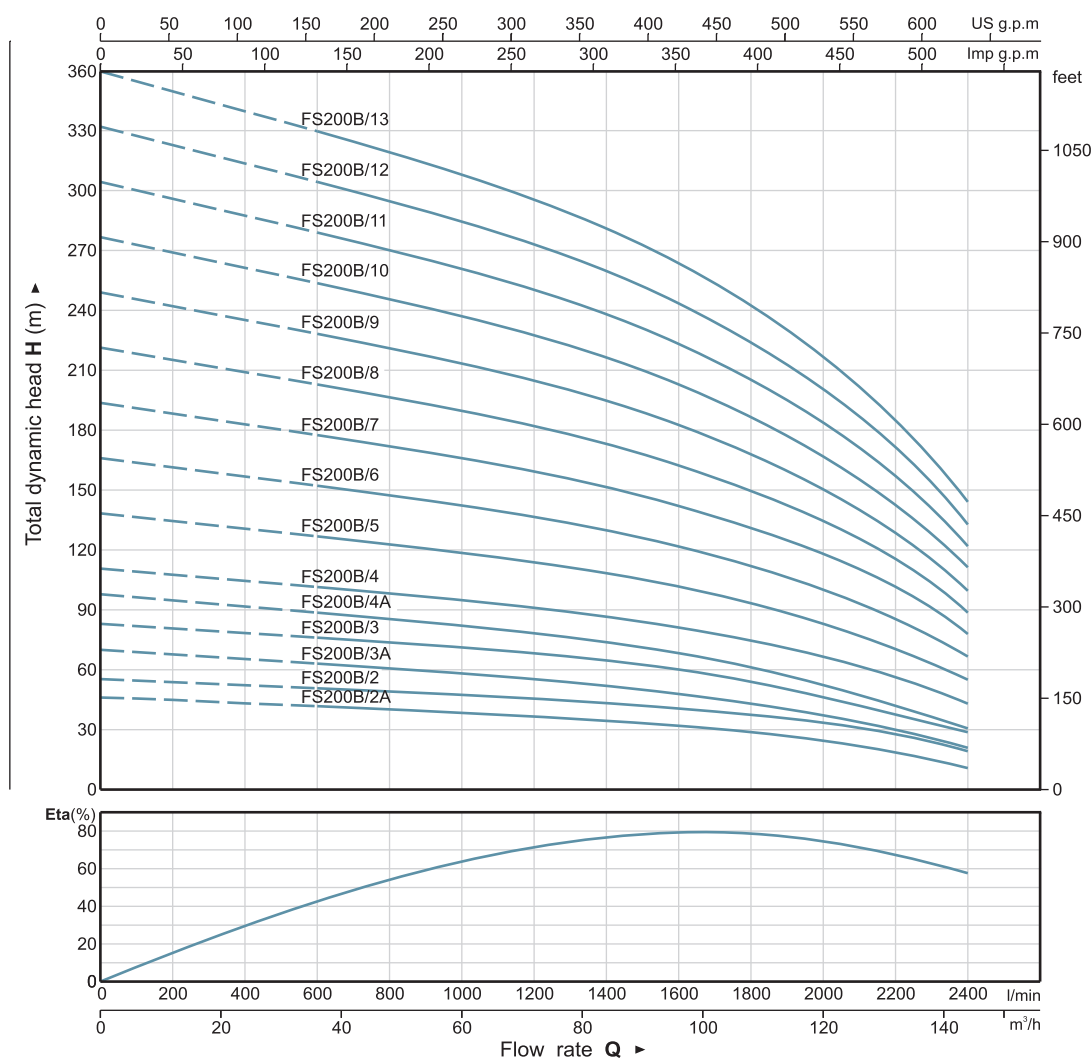
(according to our general sales conditions).

Components	Material
Delivery casing	Cast-iron ASTM N0.30
Check valve	①AISI 304 SS ②AISI 316 SS
Suction lantern	Cast-iron ASTM N0.30
Stage casing	Cast-iron ASTM N0.30
Impeller	①AISI 304 SS ②Cast-Cu ASTM C85500
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM N0.30 ②AISI 304 SS
Bottom support	①Cast-iron ASTM N0.30 ②AISI 304 SS
seal	①NBR ②Graphite-SIC/TC
Shaft	AISI 303 SS-ASTM 5140
Thrust bearing	①Graphite-Ceramic ②NSK
Radial bearing	①Graphite-Ceramic ②NSK

FS 200 B / 2



MODEL	DN	DIMENSIONS(mm)				WEIGHT(kg)		
		P	M	T	ØD	P	M	T
3 ~ 380V/415V								
FS200B/2A	5"	750	786	1536	145	49	56	105
FS200B/2	5"	750	886	1636	145	49	66	115
FS200B/3A	5"	890	936	1826	145	60	71	131
FS200B/3	5"	890	1011	1901	145	60	78	138
FS200B/4A	5"	1030	1086	2116	145	72	85	157
FS200B/4	5"	1030	1161	2191	145	72	92	164
FS200B/5	5"	1170	925	2095	192	83	146	229
FS200B/6	5"	1310	995	2305	192	95	159	254
FS200B/7	5"	1450	1065	2515	192	106	180	286
FS200B/8	5"	1590	1065	2655	192	118	180	298
FS200B/9	5"	1730	1185	2915	192	129	195	324
FS200B/10	5"	1870	1335	3205	192	141	221	362
FS200B/11	5"	2010	1335	3345	192	152	221	373
FS200B/12	5"	2150	1495	3645	192	164	251	415
FS200B/13	5"	2290	1495	3785	192	175	251	426



PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY															n≈2850 1/min						
3 ~ 380V/415V	KW	HP	Q	m³/h l/min	0	12	24	36	48	60	72	84	96	108	120	132	144							
					0	200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400							
FS200B/2A	11	15	H(m)		46	45	43	40	40	38	37	34	32	29	25	19	11							
FS200B/2	15	20			55	54	52	51	49	47	45	43	41	37	33	29	19							
FS200B/3A	18.5	25			70	68	65	63	61	58	55	52	48	43	37	30	21							
FS200B/3	22	30			83	81	78	76	74	71	68	65	61	56	50	43	30							
FS200B/4A	26	35			98	95	92	89	85	82	78	74	68	62	54	43	31							
FS200B/4	30	40			111	108	105	102	98	94	91	87	81	75	67	58	43							
FS200B/5	37	50			138	135	131	127	123	118	113	108	102	93	83	72	55							
FS200B/6	45	60			166	162	157	152	147	142	136	130	122	112	100	87	67							
FS200B/7	55	75			194	188	183	178	172	165	159	152	142	131	117	101	78							
FS200B/8	55	75			222	215	209	203	196	189	182	174	162	150	134	116	89							
FS200B/9	63	85			249	242	235	228	221	213	204	195	183	168	150	130	100							
FS200B/10	75	100			277	269	262	254	245	236	227	217	203	187	167	145	111							
FS200B/11	75	100			305	296	288	279	270	260	250	239	223	206	184	159	122							
FS200B/12	92	125			332	323	314	305	294	283	272	260	244	224	200	174	133							
FS200B/13	92	125			360	350	340	330	319	307	295	282	264	243	217	188	144							



F4PN

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C
Maximum sand content : 0.15%.
Maximum immersion : 50m
Minimum well diameter : 4".

Motor and Pump

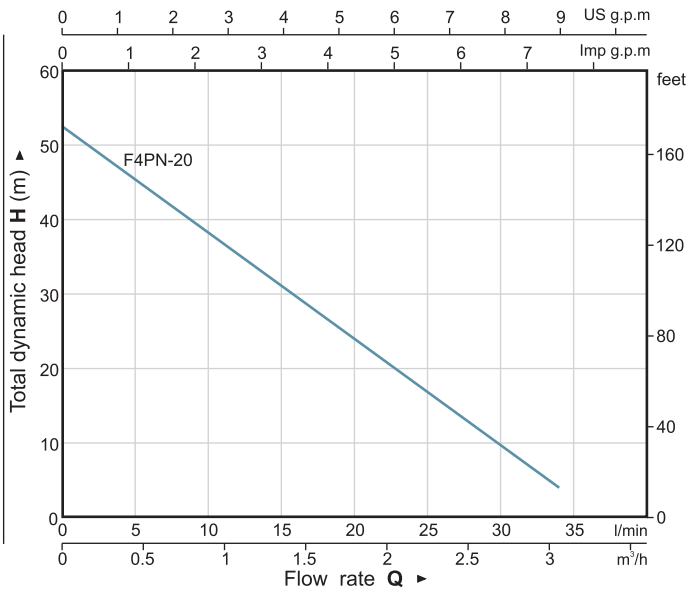
Rewindable motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Curve tolerance according to ISO 9906

Options on request

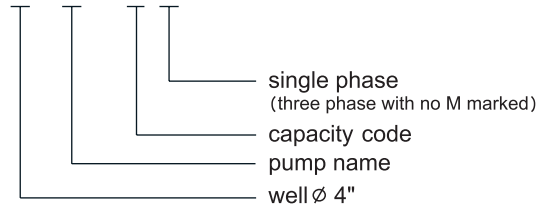
Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 1 year

(according to our general sales conditions).



F4PN-20M



Components	Material
Delivery casing	Plastic.PA
Impeller	Cast-Cu ASTM C85500
Motor external casing	AISI 304 SS
Top chock	Plastic.PA
Bottom support	Plastic.PA
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min							
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q $\frac{m^3}{h}$ $\frac{l}{min}$	0	0.3	0.6	0.9	1.2	1.5	1.8
					0	5	10	15	20	25	30
F4PN-20M	F4PN-20	0.75	1	H _(m)	52	45	38	31	24	17	10

F3NK/F4NK

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +40 °C
Maximum sand content : 0.15%.
Maximum immersion : 50m.
3NK minimum well diameter : 3".
4NK minimum well diameter : 4".

Motor and Pump

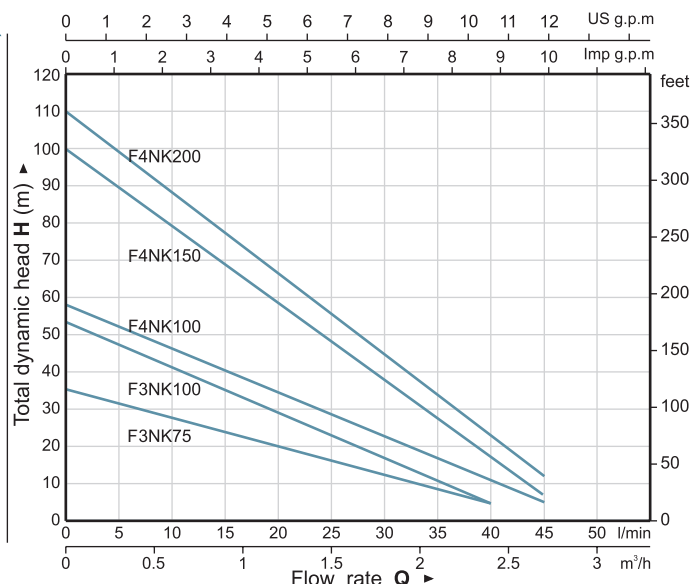
Rewindable motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Curve tolerance according to ISO 9906

Options on request

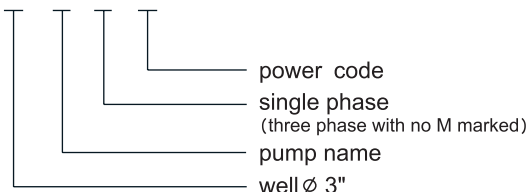
Special mechanical seal
Other voltages or frequency 60 Hz
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).



F3NK M 75



Components	Material
Delivery casing	AISI 201 SS
Suction lantern	AISI 201 SS
Diffuser	AISI 201 SS
Impeller	Cast-Cu ASTM C85500
Strainer	AISI 304 SS
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY										
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	n≈2850 1/min									
				m³/h l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
					0	5	10	15	20	25	30	35	40	45
F3NKM75	F3NK75	0.55	0.75	H(m)	36	32	29	25	21	17	14	10	6	-
F3NKM100	F3NK100	0.75	1		54	48	42	36	30	24	18	12	6	-
F4NKM100	F4NK100	0.75	1		58	52	46	40	34	28	22	16	10	5
F4NKM150	F4NK150	1.1	1.5		100	89	79	69	59	48	38	28	17	7
F4NKM200	F4NK200	1.5	2		110	99	88	78	67	56	45	34	23	12



F3SV/F4SV

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications .
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +40 °C
Maximum sand content : 0.15%.
Maximum immersion : 50m.
3SV minimum well diameter : 3".
4SV minimum well diameter : 4".

Motor and Pump

Rewindable motor

Three-phase: 380V - 415V /50Hz

Single-phase: 220V - 240V /50Hz

Equip with start control box or digital auto-control box

Curve tolerance according to ISO 9906

Options on request

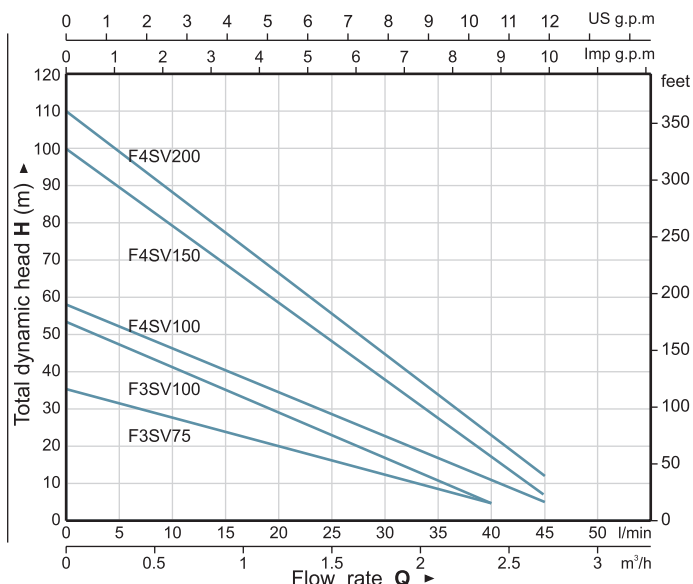
Special mechanical seal

Other voltages or frequency 60 Hz

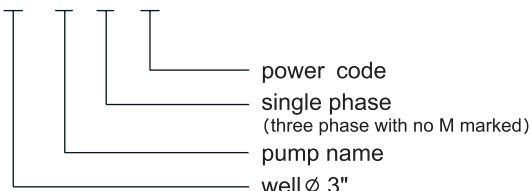
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).



F3 SVM 75



Components	Material
Delivery casing	AISI 201 SS
Suction lantern	AISI 201 SS
Diffuser	AISI 201 SS
Impeller	Cast-Cu ASTM C85500
Strainer	AISI 304 SS
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY												n≈2850 1/min	
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	$\frac{m^3}{h}$ l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7		
						0	5	10	15	20	25	30	35	40	45		
F3SVM75	F3SV75	0.55	0.75	H _(m)		36	32	29	25	21	17	14	10	6	-		
F3SVM100	F3SV100	0.75	1			54	48	42	36	30	24	18	12	6	-		
F4SVM100	F4SV100	0.75	1			58	52	46	40	34	28	22	16	10	5		
F4SVM150	F4SV150	1.1	1.5			100	89	79	69	59	48	38	28	17	7		
F4SVM200	F4SV200	1.5	2			110	99	88	78	67	56	45	34	23	12		

F3SK/F4SK

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications .
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +40 °C
Maximum sand content : 0.15%.
Maximum immersion : 50m.
3NK minimum well diameter : 3".
4NK minimum well diameter : 4".

Motor and Pump

Rewindable motor

Three-phase: 380V - 415V /50Hz

Single-phase: 220V - 240V /50Hz

Equip with start control box or digital auto-control box

Curve tolerance according to ISO 9906

Options on request

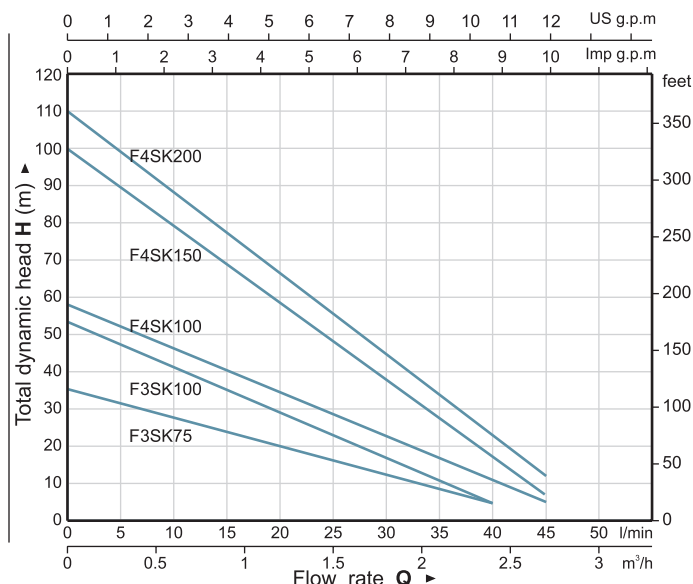
Special mechanical seal

Other voltages or frequency 60 Hz

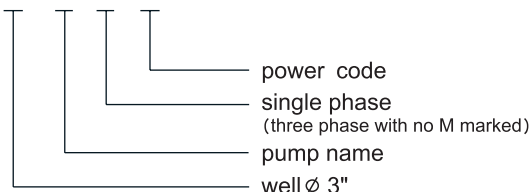
Single phase motor with built-in capacitor

Warranty: 1 year

(according to our general sales conditions).



F3 SK M 75



Components	Material
Delivery casing	Cast-Cu ASTM C85500
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 202 SS
Diffuser	①Cast-Cu ASTM C85500 ②AISI 202 SS
Impeller	Cast-Cu ASTM C85500
Strainer	AISI 304 SS
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY										
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	n≈2850 1/min									
				m³/h l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
					0	5	10	15	20	25	30	35	40	45
F3SKM75	F3SK75	0.55	0.75	H(m)	36	32	29	25	21	17	14	10	6	-
F3SKM100	F3SK100	0.75	1		54	48	42	36	30	24	18	12	6	-
F4SKM100	F4SK100	0.75	1		58	52	46	40	34	28	22	16	10	5
F4SKM150	F4SK150	1.1	1.5		100	89	79	69	59	48	38	28	17	7
F4SKM200	F4SK200	1.5	2		110	99	88	78	67	56	45	34	23	12



F4HN

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C
Maximum sand content : 0.15%
Maximum immersion: 50m
Minimum well diameter : 4".

Motor and Pump

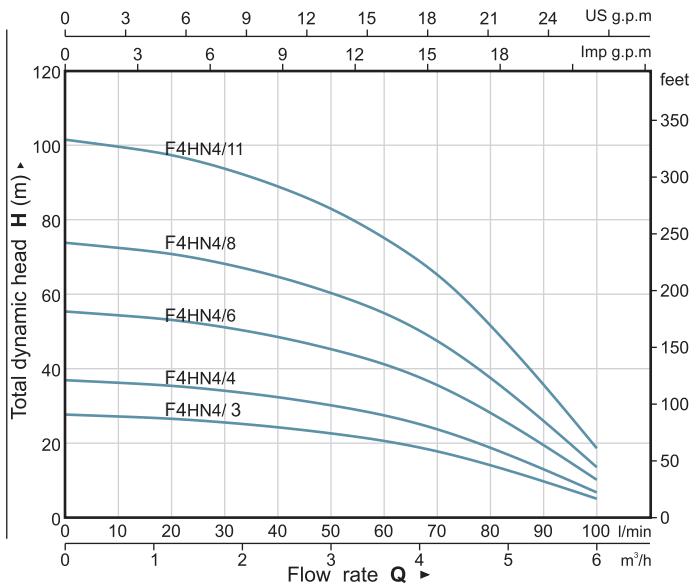
Rewindable motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
Curve tolerance according to ISO 9906

Options on request

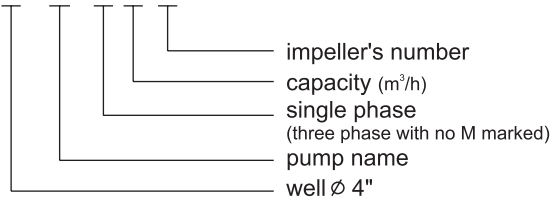
Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 1 year

(according to our general sales conditions).



F4HNM4/3



Components	Material
Delivery casing	Cast-iron ASTM N0.30
Suction lantern	Cast-iron ASTM N0.30
Diffuser	Plastic.PC
Impeller	Plastic.POM
Motor external casing	AISI 304 SS
Top chock	Cast iron ATSM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Graphite-Ceramic/TC
Shaft	AISI 303 SS-ASTM 1045
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min											
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6
					0	10	20	30	40	50	60	70	80	90	100
F4HNM4/3	F4HN4/3	0.37	0.5	H _(m)	28	27	26	25	24	22	20	18	14	10	5
F4HNM4/4	F4HN4/4	0.55	0.75		37	36	35	34	32	29	27	24	19	13	7
F4HNM4/6	F4HN4/6	0.75	1		55	55	52	51	47	44	41	35	28	20	10
F4HNM4/8	F4HN4/8	1.1	1.5		73	73	70	68	63	59	55	47	38	26	14
F4HNM4/11	F4HN4/11	1.5	2		101	100	96	93	87	81	75	65	52	36	19

F4SN

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C
Maximum sand content : 0.15%
Maximum immersion: 50m
Minimum well diameter : 4".

Motor and Pump

Rewindable motor

Three-phase: 380V - 415V /50Hz

Single-phase: 220V - 240V /50Hz

Equip with start control box or digital auto-control box

Pumps are designed by casing stressed

Curve tolerance according to ISO 9906

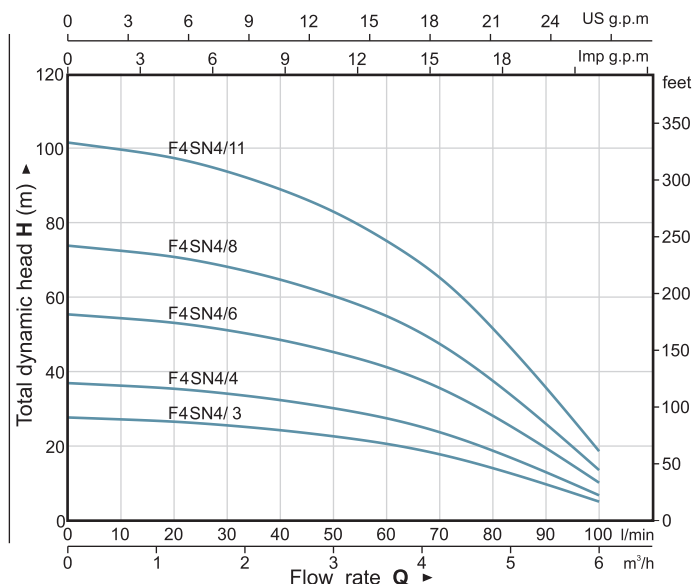
Options on request

Special mechanical seal

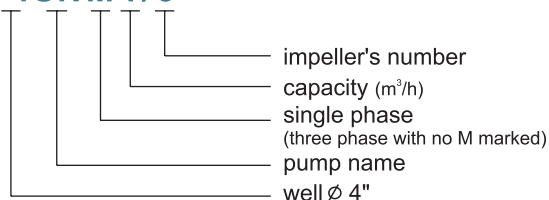
Other voltages or frequency 60 Hz

Warranty: 1 year

(according to our general sales conditions).



F4SNM4/3



Components	Material
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Strainer	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-Cu ASTM C85500
Bottom support	AISI 304 SS
Mechanical seal	Graphite-Ceramic/TC
Shaft	AISI 303 SS-ASTM 1045
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY															
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6	n≈2850 1/min		
					l/min	0	10	20	30	40	50	60	70	80	90	100			
F4SNM4/3	F4SN4/3	0.37	0.5	H _(m)		28	27	26	25	24	22	20	18	14	10	5			
F4SNM4/4	F4SN4/4	0.55	0.75			37	36	35	34	32	29	27	24	19	13	7			
F4SNM4/6	F4SN4/6	0.75	1			55	55	52	51	47	44	41	35	28	20	10			
F4SNM4/8	F4SN4/8	1.1	1.5			73	73	70	68	63	59	55	47	38	26	14			
F4SNM4/11	F4SN4/11	1.5	2			101	100	96	93	87	81	75	65	52	36	19			



F4NN

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C
Maximum sand content : 0.15%
Maximum immersion: 50m
Minimum well diameter : 4".

Motor and Pump

Rewindable motor

Three-phase: 380V - 415V /50Hz

Single-phase: 220V - 240V /50Hz

Equip with start control box or digital auto-control box

Pumps are designed by casing stressed

Curve tolerance according to ISO 9906

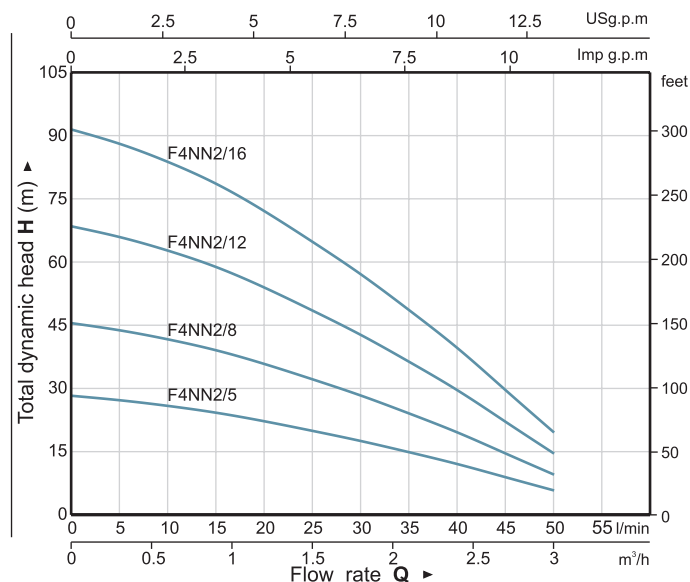
Options on request

Special mechanical seal

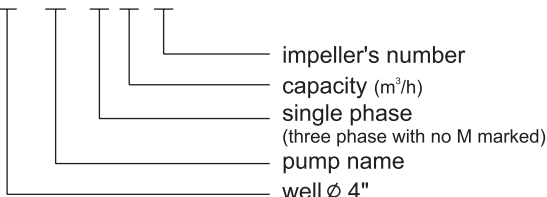
Other voltages or frequency 60 Hz

Warranty: 1 year

(according to our general sales conditions).



F4NNM2/5



Components	Material
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.PPO
Strainer	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-aluminum
Bottom support	AISI 304 SS
Mechanical seal	Graphite-Ceramic/TC
Shaft	AISI 303 SS-ASTM 1045
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min												
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	$\frac{m^3}{h}$ l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
						0	5	10	15	20	25	30	35	40	45	50
F4NNM2/5	F4NN2/5	0.25	0.33	H _(m)		29	28	26	25	23	20	18	15	13	9	6
F4NNM2/8	F4NN2/8	0.37	0.55			46	45	42	40	37	33	29	25	20	15	10
F4NNM2/12	F4NN2/12	0.55	0.75			69	67	63	59	55	49	44	37	30	23	15
F4NNM2/16	F4NN2/16	0.75	1			92	89	84	79	73	65	58	49	40	30	20

FSC

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +35 °C .
Maximum sand content : 0.15%.
Maximum immersion : 50m.
Minimum well diameter : Ø 130mm .

Motor and Pump

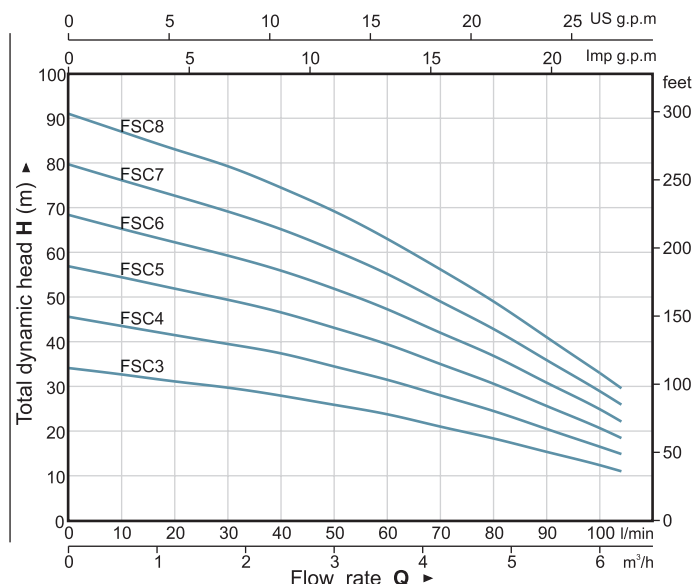
Rewindable motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
It's available to equip with floating switch
Curve tolerance according to ISO 9906

Options on request

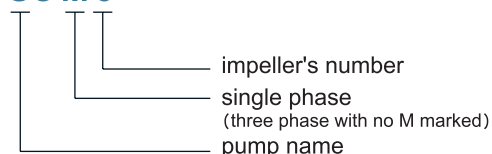
Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 1 year

(according to our general sales conditions).



FSC M 3



Components	Material
Pump external casing	AISI 304 SS
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PPO
Impeller	Plastic.PPO
Strainer	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-Cu ASTM C85500
Bottom support	①Cast-Cu ASTM C85500 ②AISI 403 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min													
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	
					l/min	0	10	20	30	40	50	60	70	80	90	100	
FSCM3	FSC3	0.55	0.75	H(m)		34	33	31	30	28	26	24	21	18	15	12	
FSCM4	FSC4	0.75	1			46	44	42	40	37	35	32	28	25	21	17	
FSCM5	FSC5	0.92	1.25			57	54	52	49	47	43	39	35	31	26	21	
FSCM6	FSC6	1.1	1.5			68	65	62	59	56	52	47	42	37	31	25	
FSCM7	FSC7	1.3	1.75			80	76	73	69	65	60	55	49	43	36	29	
FSCM8	FSC8	1.5	2			91	87	83	79	75	69	63	56	49	41	33	



F3QGD/F4QGD

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +40 °C .
Maximum sand content : 3%.
Maximum immersion : 15m.
3QG minimum well diameter : 3".
4QG minimum well diameter : 4".

Motor and Pump

Rewindable motor

Three-phase: 380V - 415V /50Hz

Single-phase: 220V - 240V /50Hz

Curve tolerance according to ISO 9906

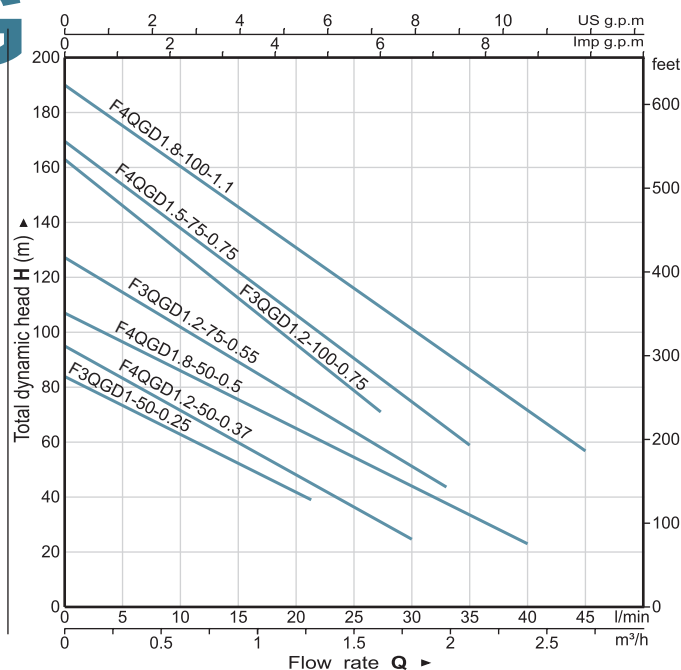
Options on request

Special mechanical seal

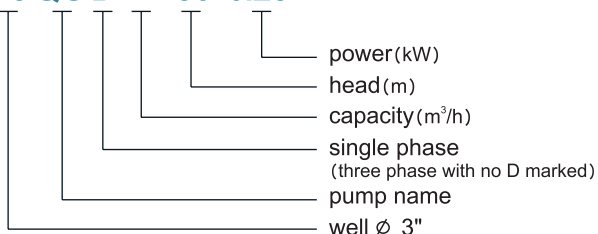
Other voltages or frequency 60 Hz

Warranty: 1 year

(according to our general sales conditions).



F3QGD 1-50-0.25



Components	Material
Delivery casing	AISI 304 SS
Strainer	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Graphite-Ceramic/TC
Shaft	AISI 303 SS-ASTM 1045



PERFORMANCE DATA 50Hz

MODEL		P ₂		Capacity (m³/h)	Head (m)	Outlet (inch)	Speed (1/min)	Dimensions(mm)	
1~ 220V/240V	3~ 380V/415V	KW	HP					ØD	L
F3QGD1-50-0.25	F3QG1-50-0.25	0.25	0.33	1.0	50	1"	2850	74	520
F3QGD1.2-50-0.37	F3QG1.2-50-0.37	0.37	0.5	1.2	50	1"	2850	74	560
F3QGD1.2-75-0.55	F3QG1.2-75-0.55	0.55	0.75	1.2	75	1"	2850	74	600
F3QGD1.2-100-0.75	F3QG1.2-100-0.75	0.75	1	1.2	100	1"	2850	74	645
F4QGD1.2-50-0.37	F4QG1.2-50-0.37	0.37	0.5	1.2	50	1"	2850	96	540
F4QGD1.8-50-0.5	F4QG1.8-50-0.5	0.5	0.7	1.8	50	1"	2850	96	560
F4QGD1.5-60-0.55	F4QG1.5-60-0.55	0.55	0.75	1.5	60	1"	2850	96	580
F4QGD1.2-100-0.75	F4QG1.2-100-0.75	0.75	1	1.2	100	1"	2850	96	620
F4QGD1.5-75-0.75	F4QG1.5-75-0.75	0.75	1	1.5	75	1"	2850	96	600
F4QGD1.5-120-1.1	F4QG1.5-120-1.1	1.1	1.5	1.5	120	1"	2850	96	680
F4QGD1.8-100-1.1	F4QG1.8-100-1.1	1.1	1.5	1.8	100	1"	2850	96	680

F5QG

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +40 °C .
Maximum sand content : 3%.
Maximum immersion : 15m.
Minimum well diameter : 5".

Motor and Pump

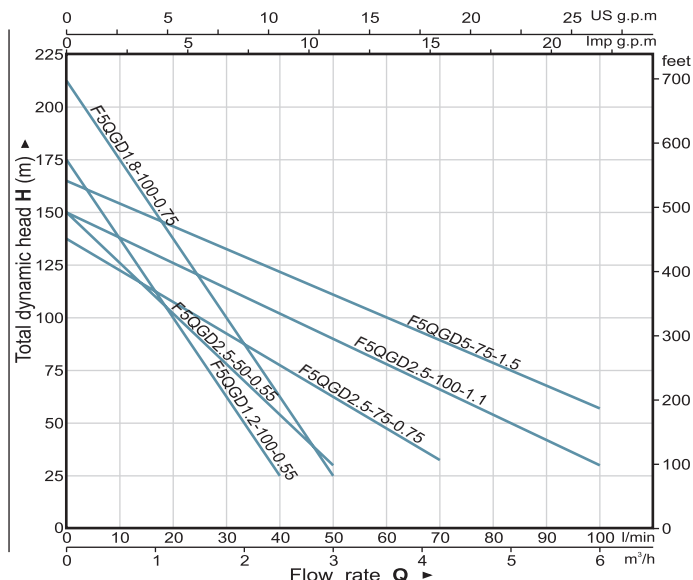
Rewindable motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Curve tolerance according to ISO 9906

Options on request

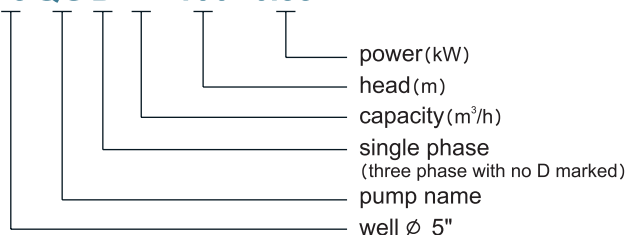
Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 1 year

(according to our general sales conditions).



F5QGD1.2-100-0.55



Components	Material
Delivery casing	AISI 304 SS
Strainer	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Graphite-Ceramic/TC
Shaft	AISI 303 SS-ASTM 1045



PERFORMANCE DATA 50Hz

MODEL		P ₂		Capacity (m³/h)	Head (m)	Outlet (inch)	Speed (1/min)	Dimensions(mm)	
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP					ØD	L
F5QGD1.2-100-0.55	F5QG1.2-100-0.55	0.55	0.75	1.2	100	1"	2850	127	580
F5QGD1.5-80-0.55	F5QG1.5-80-0.55	0.55	0.75	1.5	80	1"	2850	127	580
F5QGD2.5-50-0.55	F5QG2.5-50-0.55	0.55	0.75	2.5	50	1¼"	2850	127	565
F5QGD1-150-0.75	F5QG1-150-0.75	0.75	1	1	150	1"	2850	127	610
F5QGD1.8-100-0.75	F5QG1.8-100-0.75	0.75	1	1.8	100	1"	2850	127	610
F5QGD2.5-75-0.75	F5QG2.5-75-0.75	0.75	1	2.5	75	1¼"	2850	127	600
F5QGD3.5-50-0.75	F5QG3.5-50-0.75	0.75	1	3.5	50	1¼"	2850	127	600
F5QGD2.5-100-1.1	F5QG2.5-100-1.1	1.1	1.5	2.5	100	1¼"	2850	127	640
F5QGD5-50-1.1	F5QG5-50-1.1	1.1	1.5	5	50	1½"	2850	127	625
F5QGD2.5-120-1.5	F5QG2.5-120-1.5	1.5	2	2.5	120	1¼"	2850	127	670
F5QGD5-75-1.5	F5QG5-75-1.5	1.5	2	5	75	1½"	2850	127	650



F4YS



F6YC



F6YS



F4YS

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Speed: 2850rpm
Insulation class: F Protection grade: IP 68
Maximum fluid temperature up to +35°C
Minimum well diameter: 4"

Features

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
NEMA dimension standards

Components	Material
Motor external casing	AISI 304 SS
Top chock	① Cast-Cu ASTM C85500
	② Cast-iron ASTM NO.30
	③ AISI 304 SS
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well (Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oi	Oil for food machinery and pharmaceutic use.

PERFORMANCE DATA 50Hz

MODEL	P ₂		n ≈ 2850 1/min						
	kW	HP	Voltage (V)	Ph	In (A)	cosφ	η (%)	L (mm)	Weight (kg)
F4YSM250	0.25	0.33	220-240V	1	2.5	0.93	52	326	5.5
F4YSM370	0.37	0.5			3.7	0.93	54	341	6.7
F4YSM550	0.55	0.75			4.7	0.93	57	356	7.3
F4YSM750	0.75	1			6.2	0.93	60	386	8.7
F4YSM920	0.92	1.25			6.6	0.93	64	406	9.8
F4YSM1100	1.1	1.5			8.0	0.93	63	426	10.6
F4YSM1300	1.3	1.75			9.0	0.93	64	451	11.7
F4YSM1500	1.5	2			10.5	0.93	65	476	12.9
F4YSM1800	1.8	2.5			13.0	0.93	65	511	15.7
F4YSM2200	2.2	3			15.0	0.93	66	581	17.7
F4YSM2600	2.6	3.5			17.8	0.93	67	591	19.8
F4YS250	0.25	0.33	380-415V	3	1.0	0.75	55	326	5.8
F4YS370	0.37	0.5			1.4	0.75	58	341	6.7
F4YS550	0.55	0.75			1.8	0.76	61	356	7.3
F4YS750	0.75	1			2.5	0.77	64	371	8.0
F4YS1100	1.1	1.5			3.2	0.78	67	406	9.8
F4YS1500	1.5	2			4.0	0.79	69	451	11.7
F4YS2200	2.2	3			6.0	0.80	71	541	15.7
F4YS2600	2.6	3.5			7.0	0.79	71	551	17.7
F4YS3000	3	4			8.0	0.81	72	621	19.8
F4YS3700	3.7	5			9.5	0.80	72	626	21.4
F4YS4000	4	5.5			10.0	0.82	74	725	23.7
F4YS5000	5.0	7.0			12.0	0.81	75	706	25.5
F4YS5500	5.5	7.5			12.0	0.83	75	815	28.0
F4YS7000	7	10			14.0	0.82	76	816	30.0
F4YS7500	7.5	10			15.0	0.84	76	875	34.0



F6YC

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Speed: 2850rpm
Insulation class: F
Protection grade: IP 68
Maximum fluid temperature up to +35°C
Minimum well diameter: 6"

Features

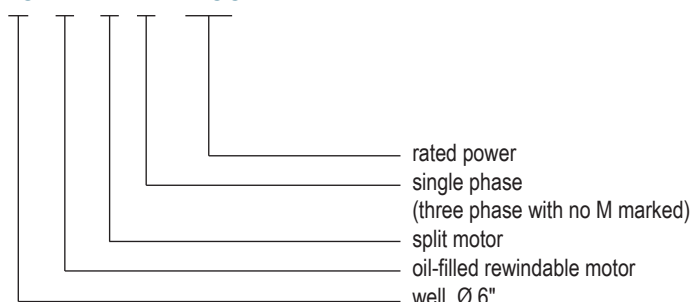
Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box

- ① Direct start (1 cable)
- ② Star-delta start (2 cables)

NEMA dimension standards

Components	Material
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM N0.30
Bottom support	Cast-iron ASTM N0.30
Seal	NBR Carbon-SIC/TC
Shaft	AISI304 SS-ASTM 5140

F6 Y C M 2200



PERFORMANCE DATA 50Hz

MODEL	P ₂		n ≈ 2850 1/min						
	kW	HP	Voltage (V)	Ph	In (A)	cosφ	η (%)	L (mm)	Weight (kg)
F6YCM2200	2.2	3	220-240V	1	19	0.93	66	556	35.9
F6YCM3000	3	4			21	0.93	67	586	38.8
F6YCM4000	4	5.5			23	0.93	68	616	41.7
F6YCM5500	5.5	7.5			25	0.93	69	666	46.5
F6YC2200	2.2	3	380-415V	3	5.0	0.80	74	524	34.1
F6YC3000	3	4			6.0	0.80	75	554	36.6
F6YC4000	4	5.5			8.0	0.80	75	584	39.2
F6YC5500	5.5	7.5			11.0	0.80	76	614	42.6
F6YC7500	7.5	10			15.0	0.81	76.5	654	47.0
F6YC9200	9.2	12.5			18.5	0.81	77	704	52.7
F6YC11000	11	15			21.5	0.82	78	754	58.3
F6YC13000	13	17.5			25.5	0.82	78	804	63.9
F6YC15000	15	20			29.0	0.83	79	854	69.5
F6YC18500	18.5	25			35.5	0.83	79	934	80.9
F6YC22000	22	30			42.0	0.83	80	1014	91.6
F6YC26000	26	35			49.0	0.84	80	1094	102.3
F6YC30000	30	40			57.0	0.84	81	1174	113.0
F6YC37000	37	50			72.0	0.84	82	1299	125.0





F6YS

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Speed: 2850rpm
Insulation class: F
Protection grade: IP 68
Maximum fluid temperature up to +35°C
Minimum well diameter: 6"

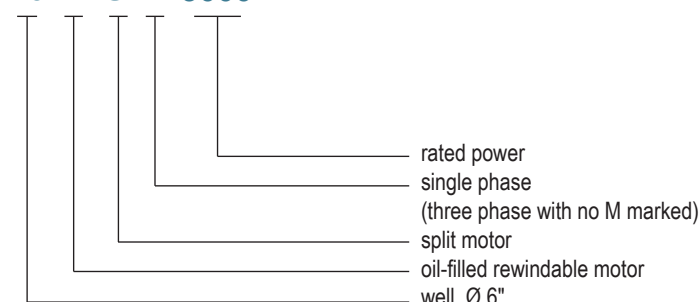
Features

Rewindable motor or Full obturated screen motor
Three-phase: 380V - 415V /50Hz
Single-phase: 220V - 240V /50Hz
Equip with start control box or digital auto-control box
NEMA dimension standards



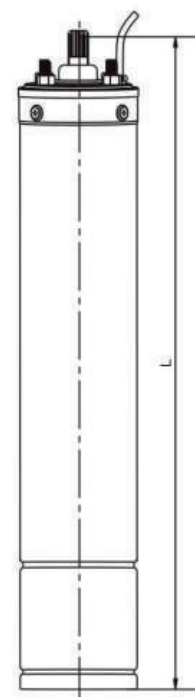
Components	Material
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well (Graphite-Ce-ramic)
Shaft	AISI304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

F6 Y S M 3000



PERFORMANCE DATA 50Hz

MODEL	P ₂		n ≈ 2850 1/min						
	kW	HP	Voltage (V)	Ph	I _n (A)	cosφ	η (%)	L (mm)	Weight (kg)
F6YSM3000	3	4	220-240V	1	22.5	0.93	67	563	25.1
F6YSM4000	4	5.5			29.5	0.93	68	603	28.9
F6YSM5500	5.5	7.5			37.5	0.93	69	653	33.9
F6YS3000	3	4	380-415V	3	7.8	0.80	74	563	25.1
F6YS4000	4	5.5			10.0	0.80	75	603	28.9
F6YS5500	5.5	7.5			13.7	0.80	76	653	33.9
F6YS7500	7.5	10			17.3	0.81	76	708	40.2
F6YS9200	9.2	12.5			21.3	0.81	77	763	46.5
F6YS11000	11	15			25.1	0.82	78	818	53.5
F6YS15000	15	20			31.6	0.83	79	965	67.7



SUBMERSIBLE DEEP WELL PUMP

Type VX/QS/WS/SC/SSCG





FVX

Applications

Sewage treatment plants
Industrial draining
Agriculture irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum solid can pass: 35mm

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
It's available to equip with floating switch
Curve tolerance according to ISO 9906

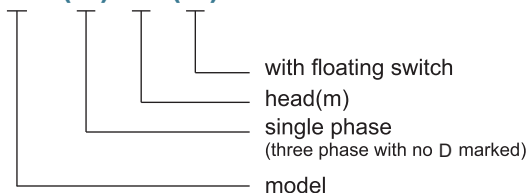
Options on request

Special mechanical seal
Other voltages or frequency 60Hz

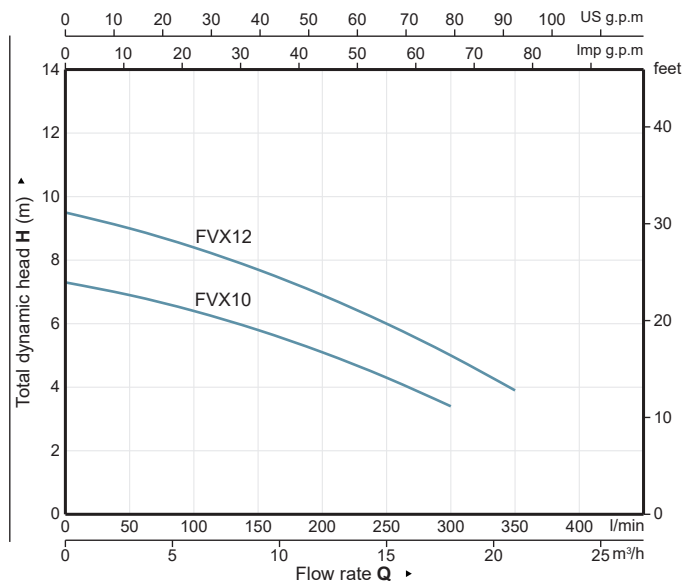
Warranty: 2 years

(according to our general sales conditions)

FVX (D) 10 (A)



Components	Material
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	①AISI 304 SS ②Cast-iron G20 UNI5007
Impeller	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	AISI 304 SS
Bottom support	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceuic use.



FVXD10(A)

FVXD10-1(A)

PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY								
				n≈2850 1/min								
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m³/h l/min	0	3	6	9	12	15	18	21
					0	50	100	150	200	250	300	350
FVXD10	FVX10	0.55	0.75	H(m)	7.3	6.9	6.4	5.8	5.1	4.3	3.1	-
FVXD12	FVX12	0.75	1		9.5	9.0	8.4	7.7	6.9	6.0	5.0	3.9
FVXD10-1	FVX10-1	0.55	0.75		7.3	6.9	6.4	5.8	5.1	4.3	3.1	-
FVXD12-1	FVX12-1	0.75	1		9.5	9.0	8.4	7.7	6.9	6.0	5.0	3.9

FQS

Applications

For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.1%

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

It's available to equip with floating switch

Curve tolerance according to ISO 9906

Options on request

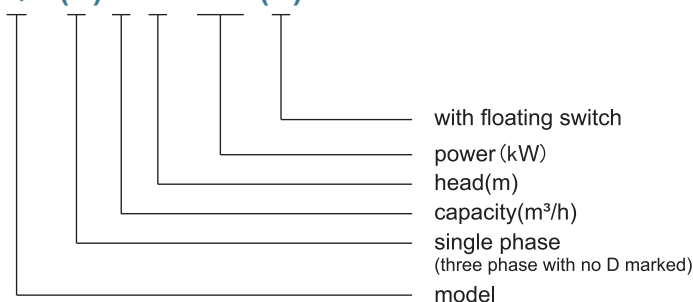
Special mechanical seal

Other voltages or frequency 60Hz

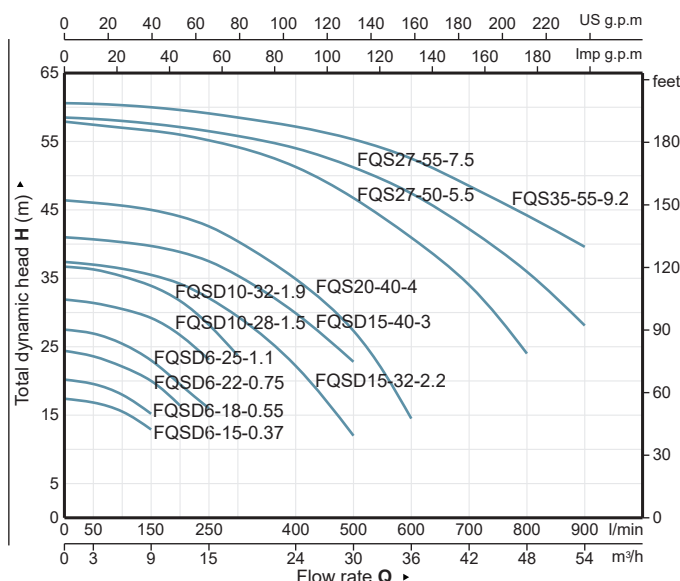
Warranty: 2 years

(according to our general sales condi

FQS (D) 6-22-0.75 (A)



Components	Material
Impeller	Cast-aluminum
Strainer	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY														
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q	n≈2850 1/min													
				m³/h l/min	0	3	6	9	12	15	18	24	30	36	42	48	54	
					0	50	100	150	200	250	300	400	500	600	700	800	900	
FQSD6-15-0.37	FQS6-15-0.37	0.37	0.5	H(m)	17.4	17	15.6	12.9	-	-	-	-	-	-	-	-	-	
FQSD6-18-0.55	FQS6-18-0.55	0.55	0.75		20.2	19.3	17.9	15.2	-	-	-	-	-	-	-	-	-	
FQSD6-22-0.75	FQS6-22-0.75	0.75	1		24.4	23.6	22.1	20	16.4	-	-	-	-	-	-	-	-	
FQSD6-25-1.1	FQS6-25-1.1	1.1	1.5		27.5	27.1	25.6	23	19.5	16	-	-	-	-	-	-	-	
FQSD10-28-1.5	FQS10-28-1.5	1.5	2		31.9	31.4	30.4	29.2	26.7	23.1	-	-	-	-	-	-	-	
FQSD10-32-1.9	FQS10-32-1.9	1.9	2.5		36.7	36.3	35.3	33.9	31.7	28.2	23.7	-	-	-	-	-	-	
FQSD15-32-2.2	FQS15-32-2.2	2.2	3		37.4	37	36.4	35.5	34.2	32.1	29.4	22.2	12	-	-	-	-	
FQSD15-40-3	FQS15-40-3	3	4		41	40.7	40.3	39.7	38.8	37.5	35.4	29.9	22.8	-	-	-	-	
-	FQS20-40-4	4	5.5		46.4	46	45.6	45	44	42.6	40.4	34.9	27.3	14.5	-	-	-	
-	FQS27-50-5.5	5.5	7.5		57.9	57.5	57	56.5	56	55.2	54.2	51.3	46.7	40.9	34	24	-	
-	FQS27-55-7.5	7.5	10		58.5	58.3	58	57.6	57.1	56.5	55.8	54	51.2	47.4	42.2	35.9	28.1	
-	FQS35-55-9.2	9.2	12.5		60.6	60.5	60.3	60	59.6	59.1	58.5	57.1	55.3	52.5	48.5	44.2	39.6	



FWS

Applications

Sewage treatment plants
Industrial draining
Agriculture irrigation

Operating conditions

Maximum fluid temperature up to +40°C

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

It's available to equip with floating switch

It can work in water containing fiber

Curve tolerance according to ISO 9906

Options on request

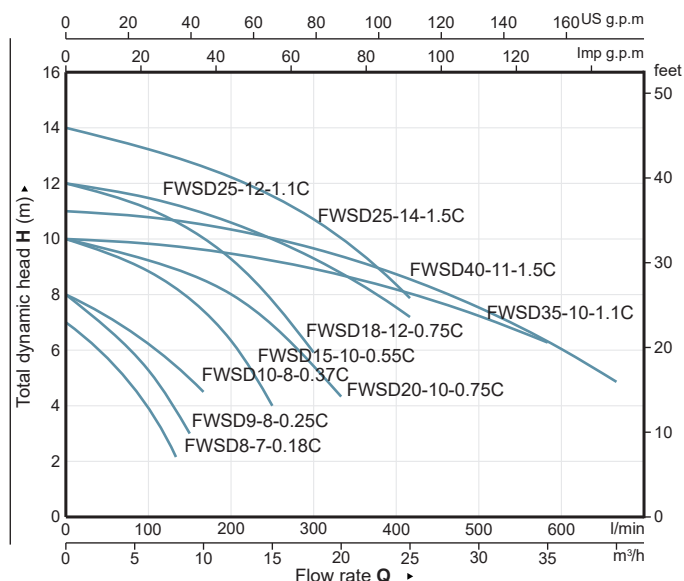
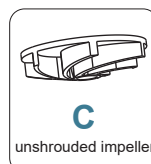
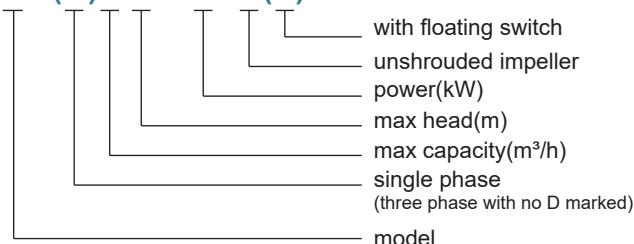
Special mechanical seal

Other voltages or frequency 60Hz

Warranty: 2 years

(according to our general sales conditions)

FWS(D)8-7-0.18C(F)



Components	Material
Motor external casing	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min											
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h	0	3	6	9	12	15	18	24	30	36
					l/min	0	50	100	150	200	250	300	400	500	600
FWSD8-7-0.18C	FWS8-7-0.18C	0.18	0.25	H(m)	7.1	6.0	3.8	-	-	-	-	-	-	-	-
FWSD9-8-0.25C	FWS9-8-0.25C	0.25	0.33		8.0	7.0	5.0	3.0	-	-	-	-	-	-	-
FWSD10-8-0.37C	FWS10-8-0.37C	0.37	0.5		8.1	7.0	6.0	5.0	-	-	-	-	-	-	-
FWSD15-10-0.55C	FWS15-10-0.55C	0.55	0.75		10.2	9.5	8.8	7.8	6.3	4.0	-	-	-	-	-
FWSD20-10-0.75C	FWS20-10-0.75C	0.75	1		10.0	9.6	9.2	8.7	8.0	6.9	5.6	-	-	-	-
FWSD18-12-0.75C	FWS18-12-0.75C	0.75	1		12.1	11.6	11.0	10.3	9.5	7.8	5.8	-	-	-	-
FWSD25-12-1.1C	FWS25-12-1.1C	1.1	1.5		12.0	11.8	11.4	11.0	10.5	10.0	9.3	7.3	-	-	-
FWSD35-10-1.1C	FWS35-10-1.1C	1.1	1.5		10.1	9.9	9.8	9.6	9.4	9.2	9.0	8.9	7.3	-	-
FWSD25-14-1.5C	FWS25-14-1.5C	1.5	2		14.0	13.6	12.9	12.7	12.1	11.5	10.7	8.6	-	-	-
FWSD40-11-1.5C	FWS40-11-1.5C	1.5	2		11.2	11.0	10.5	10.3	10	9.6	9.3	8.3	6.8	6.0	4.8

FWS

Applications

Sewage treatment plants
Industrial draining
Agriculture irrigation

Operating conditions

Maximum fluid temperature up to +40°C

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

It's available to equip with floating switch

Curve tolerance according to ISO 9906

Options on request

Special mechanical seal

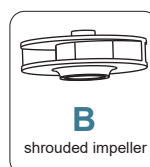
Other voltages or frequency 60Hz

Warranty: 2 years

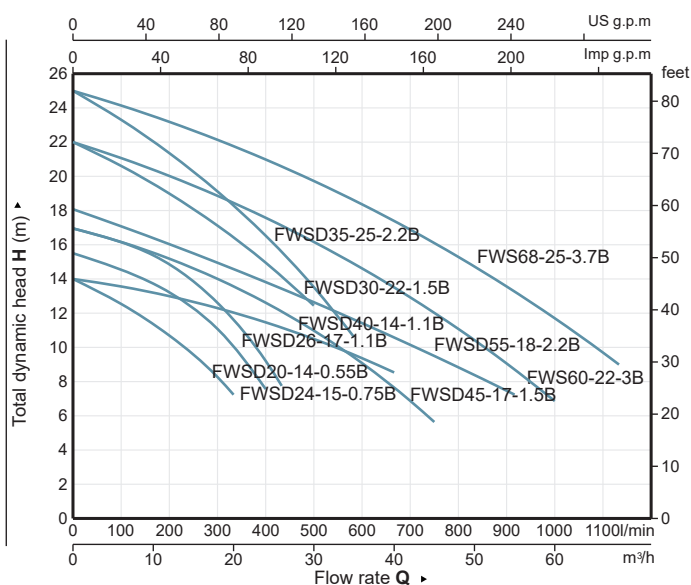
(according to our general sales conditions)

FWS(D)20-14-0.55B(F)

with floating switch
shrouded impeller
power(kW)
max head(m)
max capacity(m³/h)
single phase
(three phase with no D marked)
model



Components	Material
Motor external casing	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY													n≈2850 1/min					
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h l/min	0	6	12	18	24	30	36	42	48	54	60	68					
						0	100	200	300	400	500	600	700	800	900	1000	1133					
FWSD20-14-0.55B	FWS20-14-0.55B	0.55	0.75	H(m)	14.0	12.3	11.0	8.3	-	-	-	-	-	-	-	-	-					
FWSD24-15-0.75B	FWS24-15-0.75B	0.75	1		15.6	14.6	13.1	11.7	7.5	-	-	-	-	-	-	-	-					
FWSD26-17-1.1B	FWS26-17-1.1B	1.1	1.5		17.1	15.3	13.5	12.4	8.5	-	-	-	-	-	-	-	-					
FWSD40-14-1.1B	FWS40-14-1.1B	1.1	1.5		14.1	13.5	13.0	12.3	11.5	10.5	9.3	-	-	-	-	-	-					
FWSD30-22-1.5B	FWS30-22-1.5B	1.5	2		22.0	20.6	18.9	17.1	14.9	12.4	-	-	-	-	-	-	-					
FWSD45-17-1.5B	FWS45-17-1.5B	1.5	2		17.0	16.1	15.2	14.1	12.8	10.6	8.9	7.7	-	-	-	-	-					
FWSD35-25-2.2B	FWS35-25-2.2B	2.2	3		25.1	23.3	21.4	19.1	16.5	13.5	-	-	-	-	-	-	-					
FWSD55-18-2.2B	FWS55-18-2.2B	2.2	3		18.3	17.5	16.0	15.4	14.2	13.0	11.7	10.7	8.8	7.7	-	-	-					
-	FWS60-22-3B	3	4		22.1	21.1	20.0	18.8	17.5	16.2	14.6	12.9	11.1	9.1	6.9	-	-					
-	FWS68-25-3.7B	3.7	5		25.0	24.1	23.2	22.1	20.9	19.7	18.4	16.8	15.3	13.5	11.7	9.6	-					



FSC

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +35°C
Maximum sand content: 0.15%
Minimum well diameter: Ø130mm

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Equip with start control box or digital auto-control box
It's available to equip with floating switch
Curve tolerance according to ISO 9906

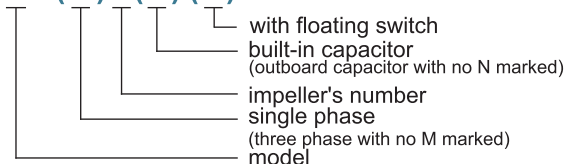
Options on request

Special mechanical seal
Other voltages or frequency 60Hz

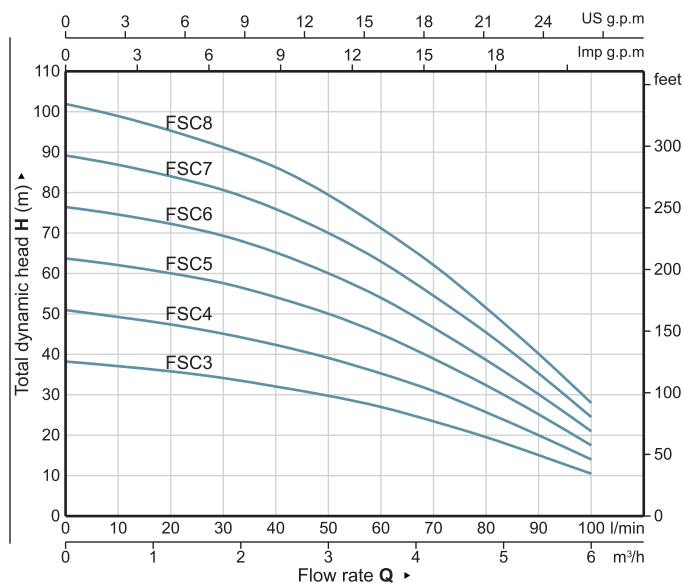
Warranty: 2 years

(according to our general sales conditions)

FSC (M) 3(N) (A)



Components	Material
Pump external casing	AISI 304 SS
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PPO
Impeller	Plastic.PPO
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM NO.30 ②AISI 420 SS
Bottom support	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min												
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	$\frac{m^3}{h}$ $\frac{l}{min}$	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
						0	10	20	30	40	50	60	70	80	90	100
FSCM3	FSC3	0.55	0.75	H(m)		38	37	36	35	33	30	27	23	19	15	11
FSCM4	FSC4	0.75	1			51	50	49	47	44	41	36	31	25	20	14
FSCM5	FSC5	0.92	1.25			64	62	61	59	55	51	45	39	31	25	18
FSCM6	FSC6	1.1	1.5			77	74	73	71	66	61	54	46	37	30	21
FSCM7	FSC7	1.3	1.75			89	87	85	82	77	71	63	54	44	35	25
FSCM8	FSC8	1.5	2			102	99	97	94	88	81	72	62	50	40	28

FSSC

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +35°C
Maximum sand content: 0.15%
Minimum well diameter: Ø130mm

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Equip with start control box or digital auto-control box
It's available to equip with floating switch
Curve tolerance according to ISO 9906

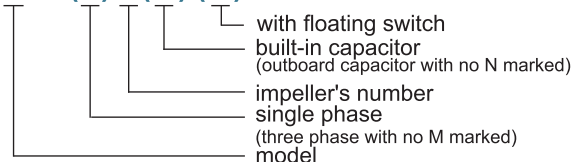
Options on request

Special mechanical seal
Other voltages or frequency 60Hz

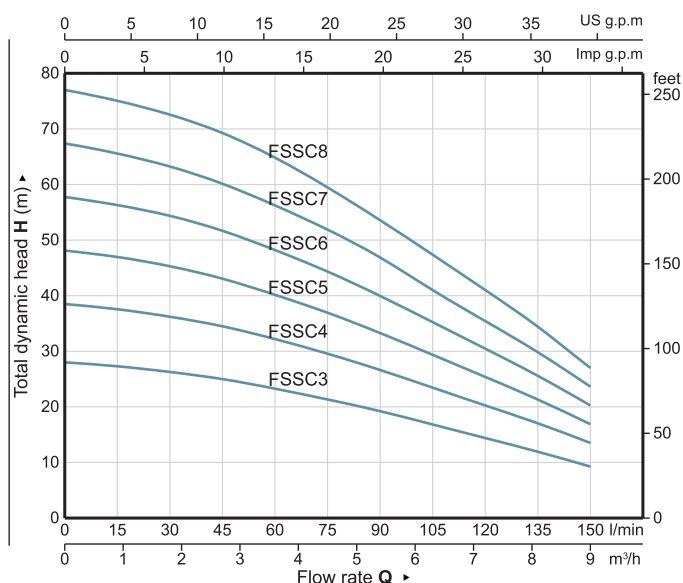
Warranty: 2 years

(according to our general sales conditions)

FSSC (M) 3(N) (A)



Components	Material
Pump external casing	AISI 304 SS
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	AISI 304 SS
Impeller	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-iron ASTM NO.30 ②AISI 420 SS
Bottom support	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceuic use.



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY												n≈2850 1/min	
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	9.0	
					l/min	0	15	30	45	60	75	90	105	120	135	150	
FSSCM3	FSSC3	0.55	0.75	H _(m)	29	28	27	26	24	22	20	17	15	13	10		
FSSCM4	FSSC4	0.75	1		38	38	36	34	32	30	26	23	20	17	14		
FSSCM5	FSSC5	0.92	1.25		48	47	45	43	40	37	33	29	25	21	17		
FSSCM6	FSSC6	1.1	1.5		58	56	54	52	48	44	40	35	30	25	20		
FSSCM7	FSSC7	1.3	1.75		67	66	63	60	56	52	46	41	35	29	24		
FSSCM8	FSSC8	1.5	2		77	75	72	69	64	59	53	46	40	34	27		

SURFACE PUMP SERIES

DOMESTIC AND GARDEN PUMPS





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FD-JNW series	FD-JDT series
	
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FCP series



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FPZB series



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FD-JNW

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 9m

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906
Impeller material: plastic or brass

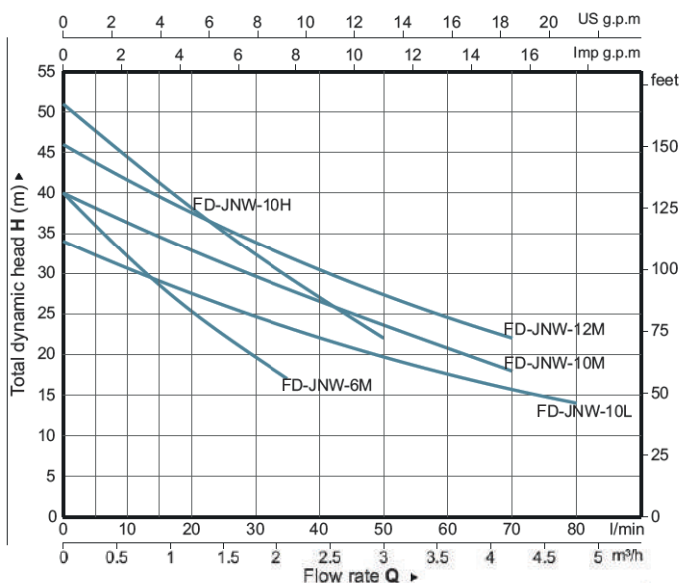
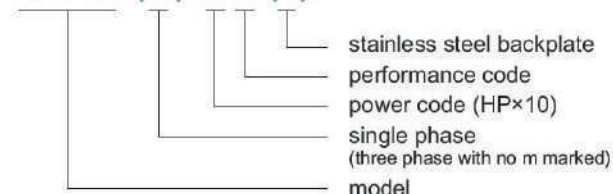
Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

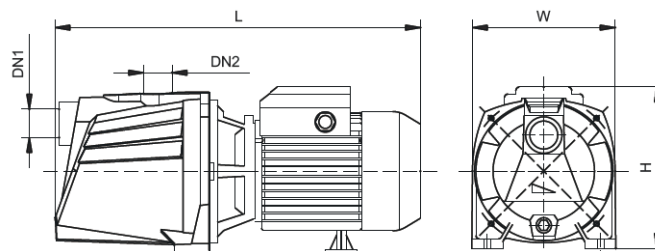
Warranty: 2 year

(according to our general sales conditions)

FD-JNW (m)- 6 M (s)



MODEL	DN1	DN2	DIMENSIONS(mm)			WEIGHTS(kg)	
			W	H	L	1~	3~
FD-JNW(m)-6M	1"	1"	150	172	340	12	11.5
FD-JNW(m)-10M	1"	1"	180	213	416	16	15.5
FD-JNW(m)-10H	1"	1"	180	213	416	16	15.5
FD-JNW(m)-12L	1"	1"	180	213	416	16	15.5
FD-JNW(m)-12M	1"	1"	180	213	416	17	16.5



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY											
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q	n≈2850 1/min										
				m³/h l/min	0	0.3	0.6	0.9	1.2	1.8	2.4	3.0	3.6	4.2	4.8
					0	5	10	15	20	30	40	50	60	70	80
FD-JNWm-6M	FD-JNW-6M	0.45	0.6	H(m)	40	36	32	28.5	25.5	19.5	-	-	-	-	-
FD-JNWm-10M	FD-JNW-10M	0.75	1		40	38	36	34.5	33	30	27	24.5	20.5	18	-
FD-JNWm-10H	FD-JNW-10H	0.75	1		51	47.5	44	41	38	32	27	22	-	-	-
FD-JNWm-10L	FD-JNW-10L	0.75	1		34	32.5	30.5	29	27.5	24.5	22	20	17.5	15.5	14
FD-JNWm-12M	FD-JNW-12M	0.92	1.25		46	44	41.5	39.5	37.5	34	30.5	27.5	24.5	22	-

FD-JDT

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 9m

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906
Impeller material: plastic or stainless steel

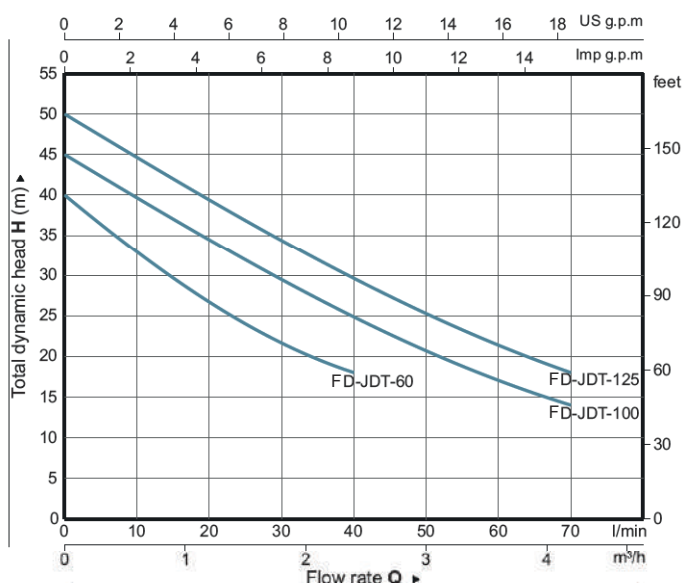
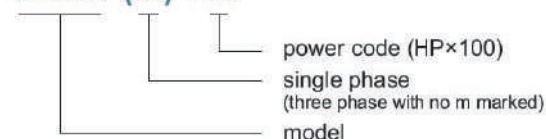
Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

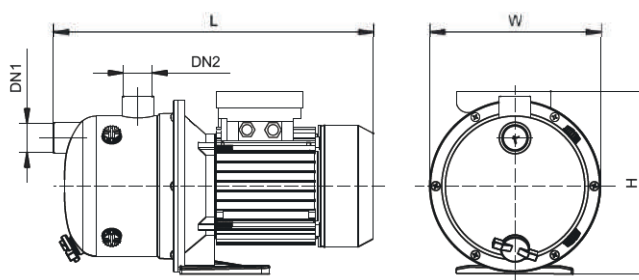
Warranty: 2 year

(according to our general sales conditions)

FD-JDT (m) - 60



MODEL	DN1	DN2	DIMENSIONS(mm)			WEIGHTS(kg)	
			W	H	L	1~	3~
FD-JDT(m)-60	1"	1"	156	170	290	8	7.5
FD-JDT(m)-100	1"	1"	196	210	365	10	9.5
FD-JDT(m)-125	1"	1"	196	210	365	10.5	10



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY								
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q	n≈2850 1/min							
				$\frac{m^3}{h}$ $\frac{l}{min}$	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2
					0	10	20	30	40	50	60	70
FD-JDT(m)-60	FD-JDT-60	0.45	0.6	H(m)	40	33	27	22	18	-	-	-
FD-JDT(m)-100	FD-JDT-100	0.75	1		45	40	34	29	25	21	17	14
FD-JDT(m)-125	FD-JDT-125	0.92	1.25		50	45	40	34	30	25	21	18



FD-JSW

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 9m

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906
Impeller material: plastic or brass

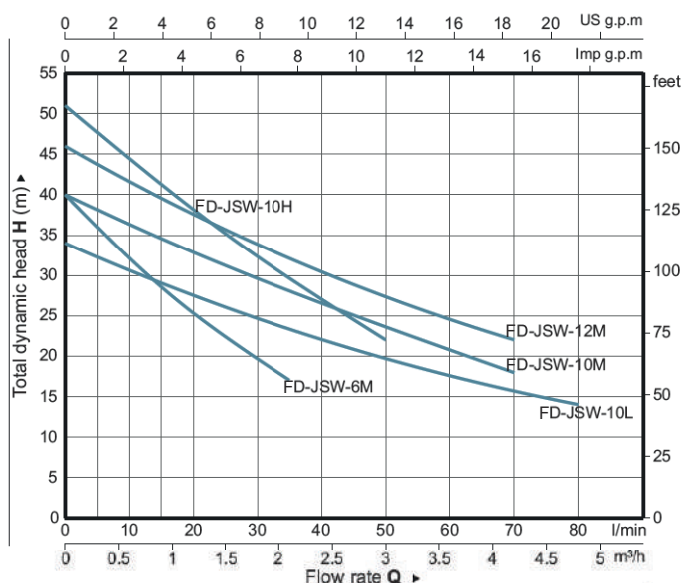
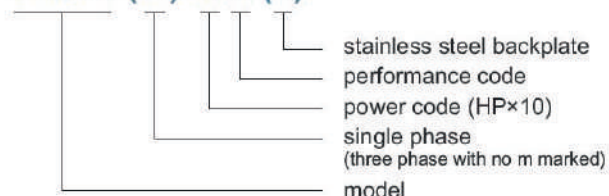
Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

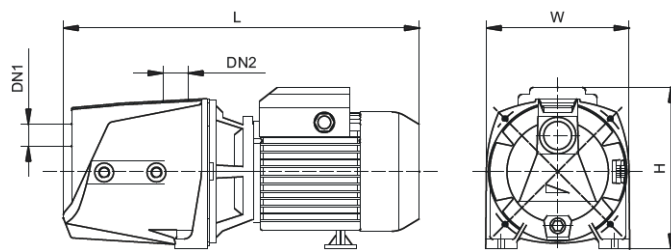
Warranty: 2 year

(according to our general sales conditions)

FD-JSW (m) - 6 M (s)



MODEL	DN1	DN2	DIMENSIONS(mm)			WEIGHTS(kg)	
			W	H	L	1~	3~
FD-JSW(m)-6M	1"	1"	150	172	340	12	11.5
FD-JSW(m)-10M	1"	1"	180	208	417	16	15.5
FD-JSW(m)-10H	1"	1"	180	208	417	16	15.5
FD-JSW(m)-10L	1"	1"	180	208	417	16	15.5
FD-JSW(m)-12M	1"	1"	180	208	417	17	16.5



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min												
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h l/min	0	0.3	0.6	0.9	1.2	1.8	2.4	3.0	3.6	4.2	4.8
						0	5	10	15	20	30	40	50	60	70	80
FD-JSWm-6M	FD-JSW-6M	0.45	0.6	H(m)	40	36	32	28.5	25.5	19.5	-	-	-	-	-	-
FD-JSWm-10M	FD-JSW-10M	0.75	1		40	38	36	34.5	33	30	27	24.5	20.5	18	-	-
FD-JSWm-10H	FD-JSW-10H	0.75	1		51	47.5	44	41	38	32	27	22	-	-	-	-
FD-JSWm-10L	FD-JSW-10L	0.75	1		34	32.5	30.5	29	27.5	24.5	22	20	17.5	15.5	14	-
FD-JSWm-12M	FD-JSW-12M	0.92	1.25		46	44	41.5	39.5	37.5	34	30.5	27.5	24.5	22	-	-

FD-JSW

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 9m

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906
Impeller material: brass

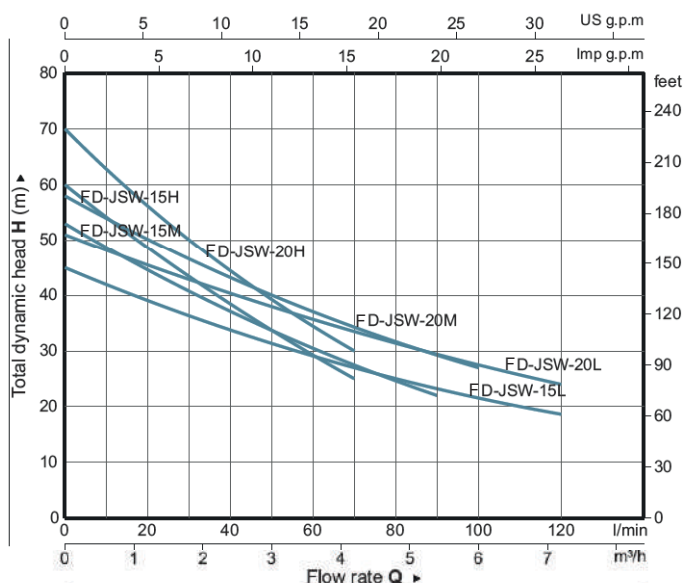
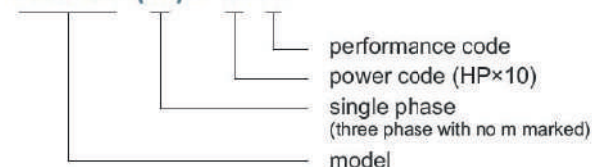
Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

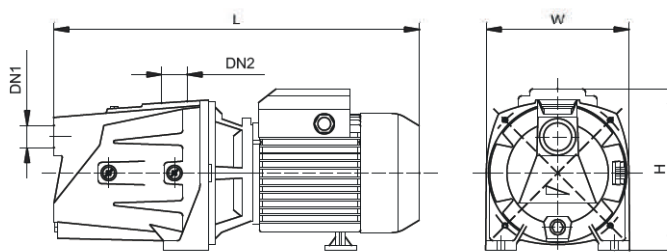
Warranty: 2 year

(according to our general sales conditions)

FD-JSW (m) - 15 M



MODEL	DN1	DN2	DIMENSIONS(mm)			WEIGHTS(kg)	
			W	H	L	1~	3~
FD-JSW(m)-15M	1 1/4"	1"	208	236	506	24.5	23.5
FD-JSW(m)-15H	1 1/4"	1"	208	236	506	24.5	23.5
FD-JSW(m)-15L	1 1/4"	1"	208	236	506	24.5	23.5
FD-JSW(m)-20M	1 1/4"	1"	208	236	506	26	25.5
FD-JSW(m)-20H	1 1/4"	1"	208	236	506	26	25.5
FD-JSW(m)-20L	1 1/4"	1"	208	236	506	26	25.5



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY													
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q	n≈2850 1/min												
					m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	7.2
					l/min	0	10	20	30	40	50	60	70	80	90	100	120
FD-JSWm-15M	FD-JSW-15M	1.1	1.5	H(m)	53	48.5	44.5	40.5	37	33.5	30.5	27.5	24.5	22	-	-	-
FD-JSWm-15H	FD-JSW-15H	1.1	1.5		60	54	48.5	43.5	38.5	34	29	25	-	-	-	-	-
FD-JSWm-15L	FD-JSW-15L	1.1	1.5		45	42	39	36	34	31.5	29	27	25	23	21.5	19	-
FD-JSWm-20M	FD-JSW-20M	1.5	2		58	54	50	46.5	43.5	40	37	34.5	31.5	29	27	-	-
FD-JSWm-20H	FD-JSW-20H	1.5	2		70	63	56	50	44.5	39	34.5	30	-	-	-	-	-
FD-JSWm-20L	FD-JSW-20L	1.5	2		51	48	45.5	43	40.5	38	35.5	33.5	31.5	29.5	27.5	24	-



FD-JET

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 9m

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906
Impeller material: plastic or brass

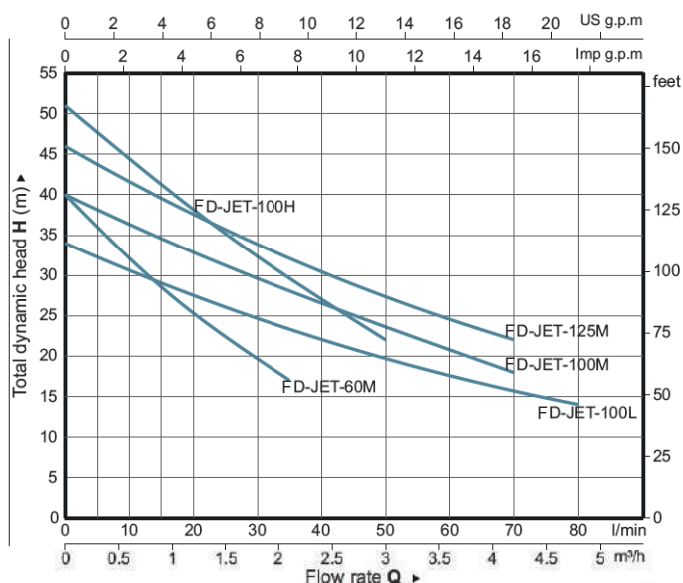
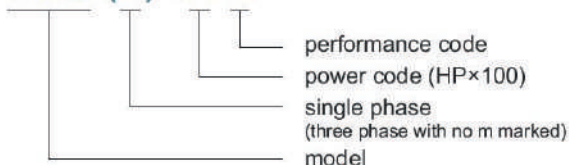
Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

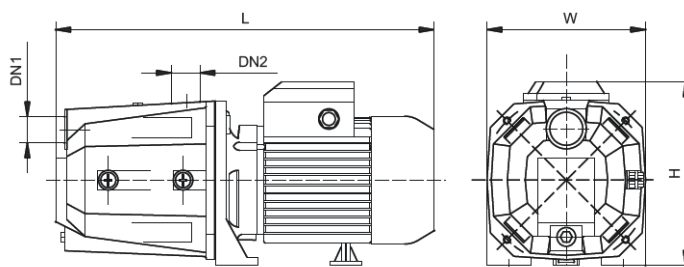
Warranty: 2 year

(according to our general sales conditions)

FD-JET (m) - 60 M



MODEL	DN1	DN2	DIMENSIONS(mm)			WEIGHTS(kg)	
			W	H	L	1~	3~
FD-JET(m)-60M	1"	1"	150	176	338	12	11.5
FD-JET(m)-100M	1"	1"	180	213	416	16	15.5
FD-JET(m)-100H	1"	1"	180	213	416	16	15.5
FD-JET(m)-100L	1"	1"	180	213	416	16	15.5
FD-JET(m)-125M	1"	1"	180	213	416	17	16.5



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min													
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h l/min	0	0.3	0.6	0.9	1.2	1.8	2.4	3.0	3.6	4.2	4.8	
						0	5	10	15	20	30	40	50	60	70	80	
FD-JETm-60M	FD-JET-60M	0.45	0.6	H(m)		40	36	32	28.5	25.5	19.5	-	-	-	-	-	
FD-JETm-100M	FD-JET-100M	0.75	1			40	38	36	34.5	33	30	27	24.5	20.5	18	-	-
FD-JETm-100H	FD-JET-100H	0.75	1			51	47.5	44	41	38	32	27	22	-	-	-	-
FD-JETm-100L	FD-JET-100L	0.75	1			34	32.5	30.5	29	27.5	24.5	22	20	17.5	15.5	14	-
FD-JETm-125M	FD-JET-125M	0.92	1.25			46	44	41.5	39.5	37.5	34	30.5	27.5	24.5	22	-	-

FD-ATS

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 9m

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906
Impeller material: plastic or brass

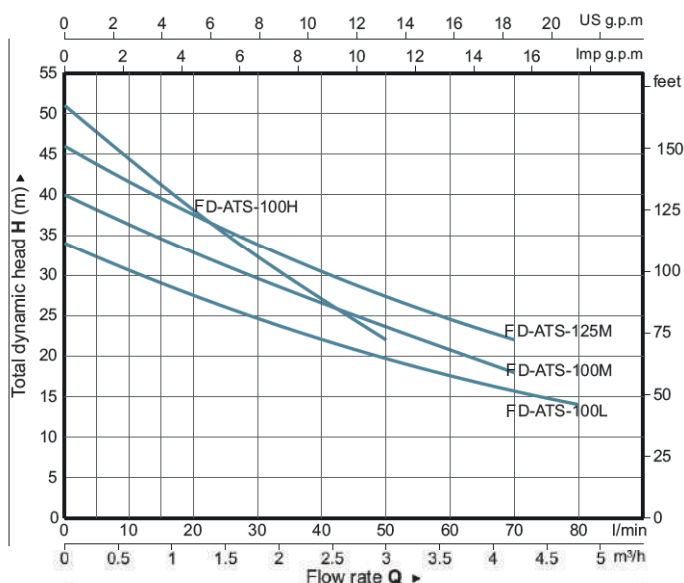
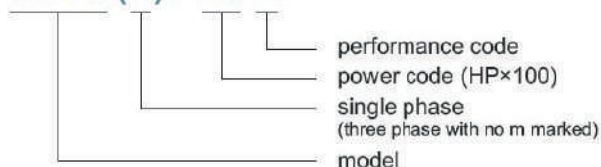
Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

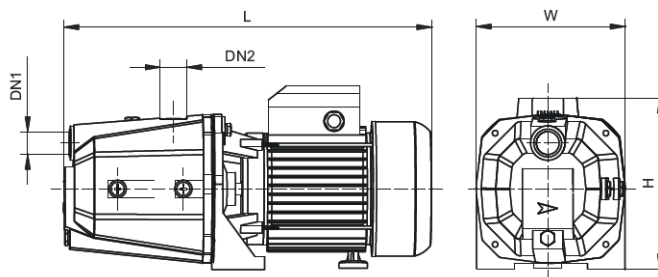
Warranty: 2 year

(according to our general sales conditions)

FD-ATS (m) - 125 M



MODEL	DN1	DN2	DIMENSIONS(mm)			WEIGHTS(kg)	
			W	H	L	1~	3~
FD-ATS(m)-100M	1"	1"	180	213	416	16	15.5
FD-ATS(m)-100H	1"	1"	180	213	416	16	15.5
FD-ATS(m)-100L	1"	1"	180	213	416	16	15.5
FD-ATS(m)-125M	1"	1"	180	213	416	17	16.5



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min												
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q	m³/h	0	0.3	0.6	0.9	1.2	1.8	2.4	3.0	3.6	4.2	4.8
					l/min	0	5	10	15	20	30	40	50	60	70	80
FD-ATSm-100M	FD-ATS-100M	0.75	1	H(m)	40	38	36	34.5	33	30	27	24.5	20.5	18	-	-
FD-ATSm-100H	FD-ATS-100H	0.75	1		51	47.5	44	41	38	32	27	22	-	-	-	-
FD-ATSm-100L	FD-ATS-100L	0.75	1		34	32.5	30.5	29	27.5	24.5	22	20	17.5	15.5	14	-
FD-ATSm-125M	FD-ATS-125M	0.92	1.25		46	44	41.5	39.5	37.5	34	30.5	27.5	24.5	22	-	-



FD-JDW

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 45m

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906
Impeller material: plastic or brass

Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 2 year

(according to our general sales conditions)

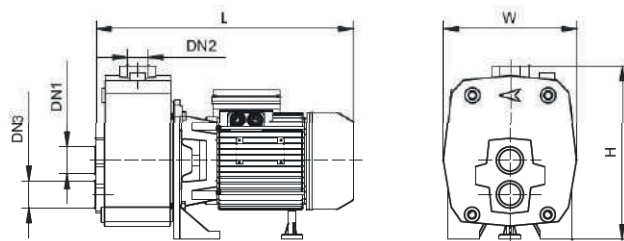
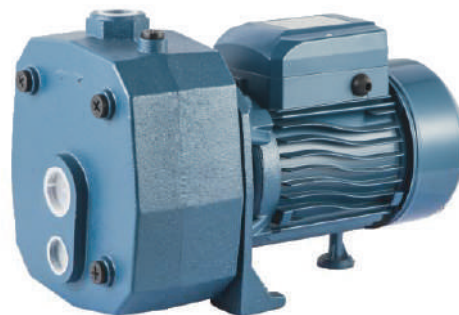
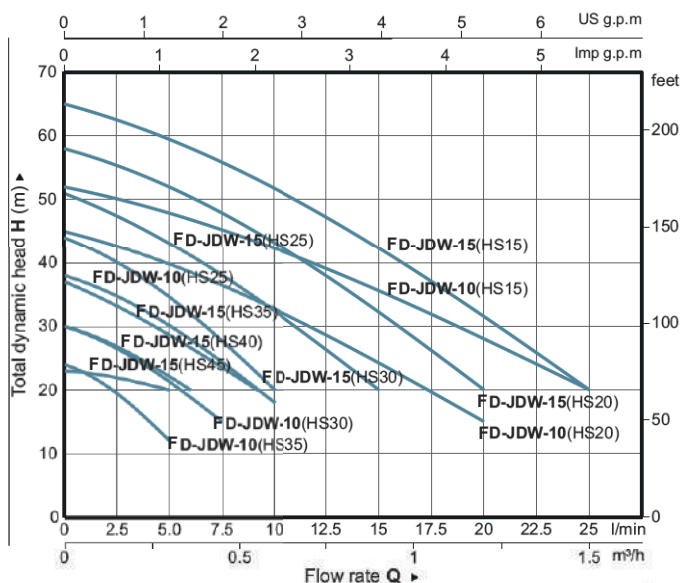
FD-JDW (m) - 10

power code (HP×10)
single phase
(three phase with no m marked)
model

MODEL	DN1	DN2	DN3	DIMENSIONS(mm)			WEIGHTS(kg)	
				W	H	L	1~	3~
FD-JDW(m)-10	1¼"	1"	1"	182	188	380	17	16.5
FD-JDW(m)-15	1¼"	1"	1"	211	258	406	25	24

PERFORMANCE DATA 50Hz

MODEL		P ₂		HS (m)	DELIVERY n≈2850 1/min												
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP		Q m³/h l/min	0	0.15	0.3	0.45	0.6	0.75	0.9	1.05	1.2	1.35	1.5	
						0	2.5	5.0	7.5	10	12.5	15	17.5	20	22.5	25	
FD-JDWm-10	FD-JDW-10	0.75	1	15	H(m)	52	50	48	45	42	39	35.5	32	28	24	20	
FD-JDWm-15	FD-JDW-15	1.1	1.5			65	62.5	59.5	56	52	47	42	37	31.5	26	20	
FD-JDWm-10	FD-JDW-10	0.75	1	20		45	43	40	36.5	33	28.5	24	20	15	-	-	
FD-JDWm-15	FD-JDW-15	1.1	1.5			58	55.5	52	48	43	38	32	26	20	-	-	
FD-JDWm-10	FD-JDW-10	0.75	1	25		38	35	30	24.5	18	-	-	-	-	-	-	
FD-JDWm-15	FD-JDW-15	1.1	1.5			51	47.5	43	38	32.5	26	20	-	-	-	-	
FD-JDWm-10	FD-JDW-10	0.75	1	30		30	26.5	21	15	-	-	-	-	-	-	-	
FD-JDWm-15	FD-JDW-15	1.1	1.5			44	40	34.5	28	20	-	-	-	-	-	-	
FD-JDWm-10	FD-JDW-10	0.75	1	35		24	19.5	12	-	-	-	-	-	-	-	-	
FD-JDWm-15	FD-JDW-15	1.1	1.5			37	33	28.5	23.5	-	-	-	-	-	-	-	
FD-JDWm-15	FD-JDW-15	1.1	1.5	40		30	27	22	-	-	-	-	-	-	-	-	
FD-JDWm-15	FD-JDW-15	1.1	1.5	45		23	22	20	-	-	-	-	-	-	-	-	



FCPF

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 7m

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906
Impeller material: brass

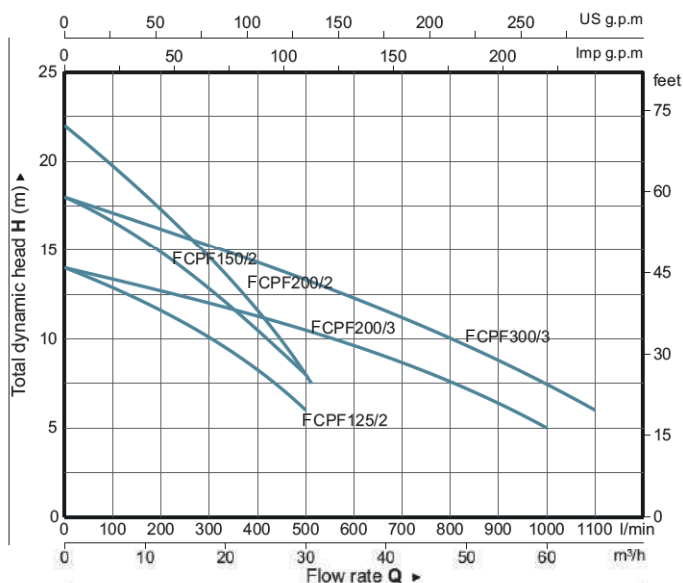
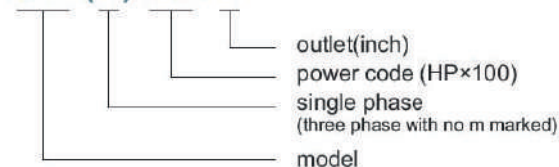
Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

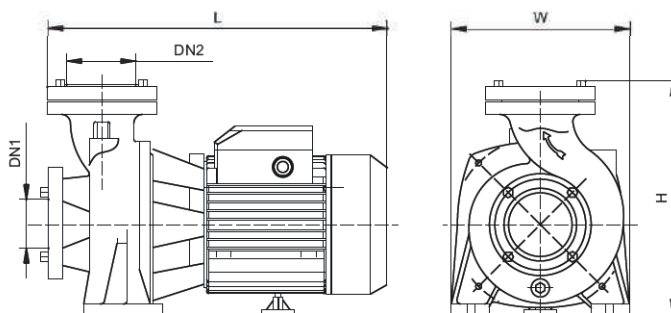
Warranty: 2 year

(according to our general sales conditions)

FCPF (m) 125 / 2



MODEL	DN1	DN2	DIMENSIONS (mm)			WEIGHTS (kg)	
			W	H	L	1 ~	3 ~
FCPF(m)125/2	2"	2"	195	266	352	15	14
FCPF(m)150/2	2"	2"	208	275	378	21	20
FCPF(m)200/2	2"	2"	208	275	378	22	21
FCPF(m)200/3	3"	3"	243	317	400	26	25
FCPF(m)300/3	3"	3"	243	317	400	27	26



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min											
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h	0	6	12	18	24	30	36	42	48	54
					l/min	0	100	200	300	400	500	600	700	800	900
FCPFm125/2	FCPF125/2	0.92	1.25	H(m)	14	12.9	11.6	10.2	8.4	6	-	-	-	-	-
FCPFm150/2	FCPF150/2	1.1	1.5		18	16.7	14.8	12.6	10.3	8	-	-	-	-	-
FCPFm200/2	FCPF200/2	1.5	2		22	19.8	17.3	14.6	11.6	8	-	-	-	-	-
FCPFm200/3	FCPF200/3	1.5	2		14	13.4	12.8	12.1	11.3	10.5	9.6	9	7.5	6.5	5
FCPFm300/3	FCPF300/3	2.2	3		18	17.1	16.2	15.3	14.3	13.3	12.3	11.5	10	8.8	7.4



FCP

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 7m

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906
Impeller material: stainless steel or brass

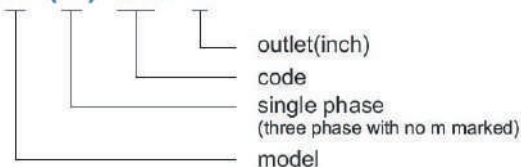
Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

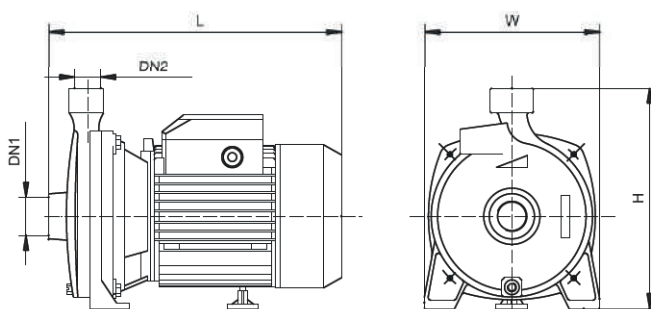
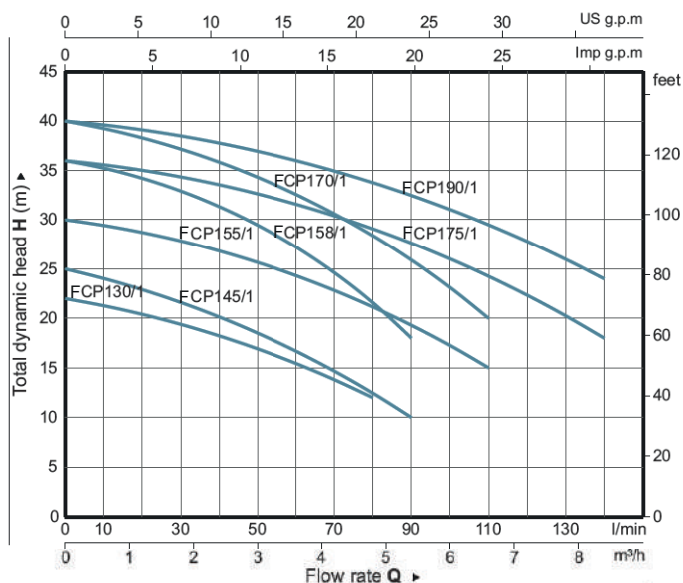
Warranty: 2 year

(according to our general sales conditions)

FCP (m) 130 / 1



MODEL	DN1	DN2	DIMENSIONS (mm)			WEIGHTS (kg)	
			W	H	L	1 ~	3 ~
FCP(m)130/1	1"	1"	168	215	265	8	7.5
FCP(m)145/1	1"	1"	195	247	311	11.5	11
FCP(m)155/1	1"	1"	195	247	311	12	11.5
FCP(m)158/1	1"	1"	195	247	311	12	11.5
FCP(m)170/1	1"	1"	204	258	348	19	18
FCP(m)175/1	1 1/4"	1"	204	258	348	19	18
FCP(m)190/1	1 1/4"	1"	232	287	348	21.5	20.5



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY														n≈2850 1/min					
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	$\frac{m^3}{h}$ l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.6	8.4						
						0	10	20	30	40	50	60	70	80	90	110	140						
FCPm130/1	FCP130/1	0.37	0.5	H(m)		22	21	20	19	18	17	15.5	14	12	-	-	-						
FCPm145/1	FCP145/1	0.55	0.75			25	24	23	22	20	18.5	16.5	14.5	12.5	10	-	-						
FCPm155/1	FCP155/1	0.75	1			30	29.5	29	28	27	25.5	24	23	21	19	15	-						
FCPm158/1	FCP158/1	0.75	1			36	35	34	33	31	29.5	27	24.5	21.5	18	-	-						
FCPm170/1	FCP170/1	1.1	1.5			40	39	38	37	35.5	34	32.5	30.5	28.5	26	20	-						
FCPm175/1	FCP175/1	1.1	1.5			36	35.5	35	34.5	33.5	32.5	31.5	30.5	29	27.5	24	18						
FCPm190/1	FCP190/1	1.5	2			40	39.5	39	38.5	38	37	36	35	34	32.5	29.5	24						

FCP

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 7m

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906
Impeller material: brass

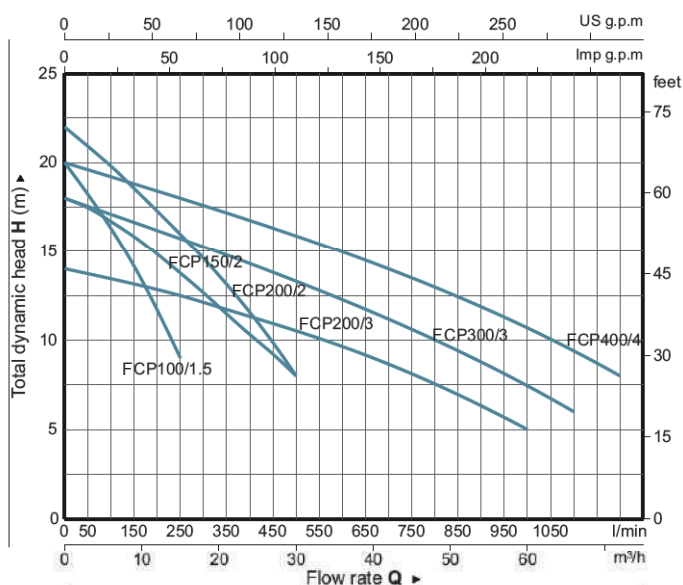
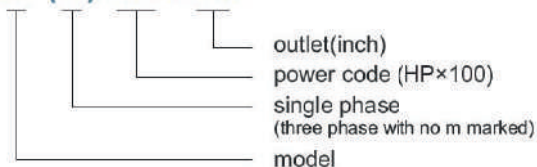
Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

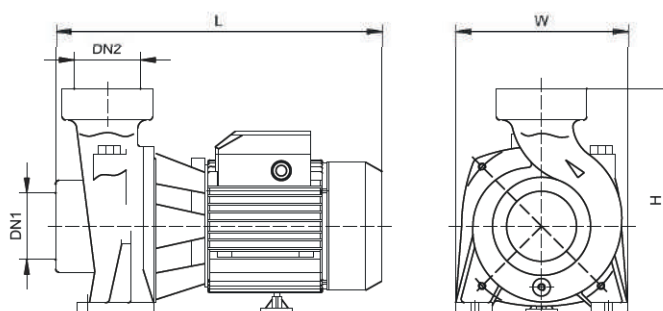
Warranty: 2 year

(according to our general sales conditions)

FCP (m) 100 / 1.5



MODEL	DN1	DN2	DIMENSIONS (mm)			WEIGHTS (kg)	
			W	H	L	1 ~	3 ~
FCP(m)100/1.5	1½"	1½"	190	246	319	14	13.5
FCP(m)150/2	2"	2"	207	259	369	18	17
FCP(m)200/2	2"	2"	207	259	369	19	18
FCP(m)200/3	3"	3"	238	313	392	25	24
FCP(m)300/3	3"	3"	238	313	392	26	25
FCP(m)300/4	4"	4"	238	313	431	29	28
FCP(m)400/4	4"	4"	238	313	431	32	31



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY														
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	n≈2850 1/min														
				Q	m³/h	0	3	6	9	12	15	18	24	30	36	48	60	72
					l/min	0	50	100	150	200	250	300	400	500	600	800	1000	1200
FCPm100/1.5	FCP100/1.5	0.75	1	H(m)	20	18.2	16.3	14.1	11.7	9	-	-	-	-	-	-	-	-
FCPm150/2	FCP150/2	1.1	1.5		18	17.5	16.7	15.8	14.8	13.8	12.6	10.3	8	-	-	-	-	-
FCPm200/2	FCP200/2	1.5	2		22	20.9	19.8	18.6	17.3	16	14.6	11.6	8	-	-	-	-	-
FCPm200/3	FCP200/3	1.5	2		14	13.7	13.4	13.1	12.8	12.5	12.1	11.3	10.5	9.6	7.5	5	-	-
FCPm300/3	FCP300/3	2.2	3		18	17.5	17.1	16.6	16.2	15.7	15.3	14.3	13.3	12.3	10	7.4	-	-
FCPm300/4	FCP300/4	2.2	3		18	17.5	17.1	16.6	16.2	15.7	15.3	14.3	13.3	12.3	10	7.4	-	-
FCPm400/4	FCP400/4	3	4		20	19.6	19.2	18.8	18.4	18	17.6	16.7	15.9	15	13	10.7	8	-



FK30

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 7m

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906
Impeller material: plastic

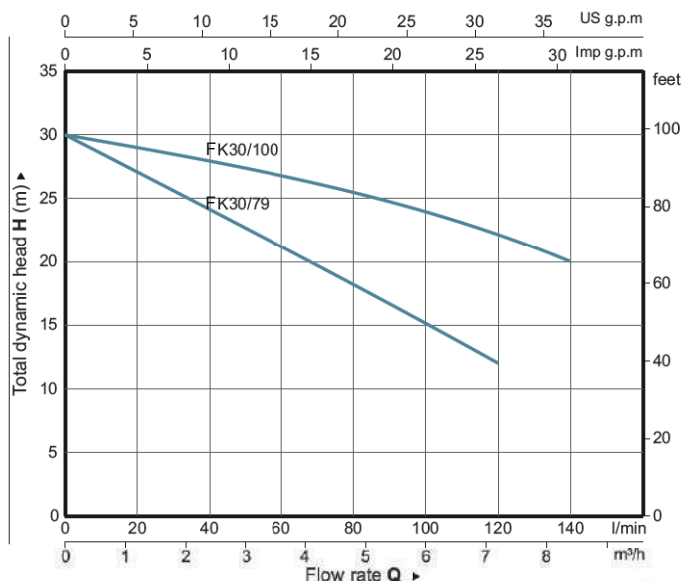
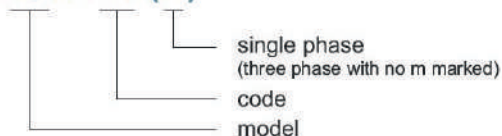
Options on request

Special mechanical seal
Other voltages or frequency 60 Hz

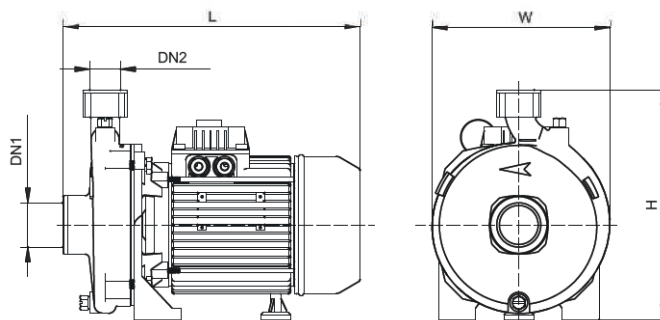
Warranty: 2 year

(according to our general sales conditions)

FK30 / 100 (m)



MODEL	DN1	DN2	DIMENSIONS(mm)			WEIGHTS(kg)	
			W	H	L	1 ~	3 ~
FK30/79(m)	1"	1"	178	231	313	14	13.5
FK30/100(m)	1½"	1"	182	257	344	17	16



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY								n≈2850 1/min	
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
					l/min	0	20	40	60	80	100	120	140
FK30/79m	FK30/79	0.75	1	H(m)		30	27	24	21	18	15	12	-
FK30/100m	FK30/100	1.1	1.5			30	29	28	27	26	24	22	20



FQB

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 8m

Motor and Pump

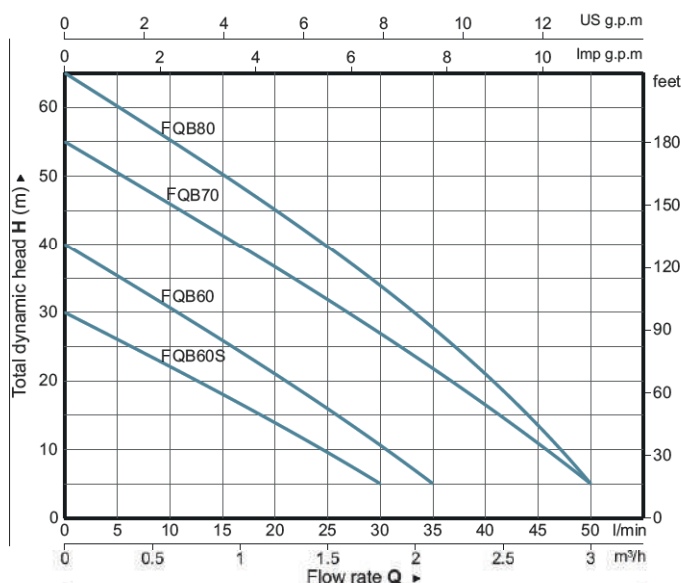
Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906
Impeller material: brass

Options on request

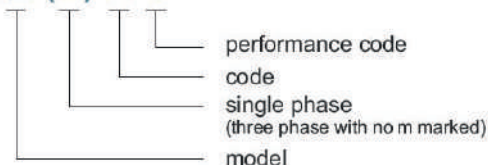
Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 2 year

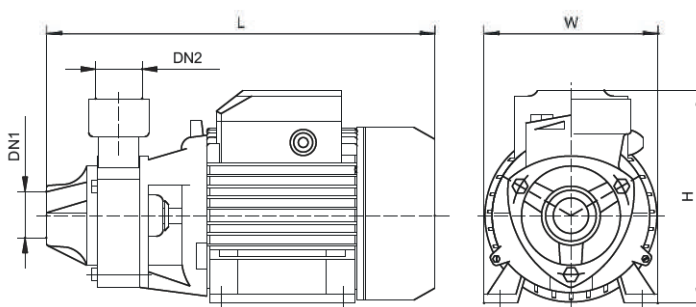
(according to our general sales conditions)



FQB (m) 60 S



MODEL	DN1	DN2	DIMENSIONS(mm)			WEIGHTS(kg)	
			W	H	L	1~	3~
FQB(m)60S	1"	1"	117	150	255	6	5.5
FQB(m)60	1"	1"	117	150	264	6.3	5.8
FQB(m)70	1"	1"	135	180	302	8	7.5
FQB(m)80	1"	1"	135	180	302	8	7.5
FQB(m)85	1½"	1½"	135	185	310	8.1	7.6



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min												
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	$\frac{m^3/h}{l/min}$	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
						0	5	10	15	20	25	30	35	40	45	50
FQBm60S	FQB60S	0.37	0.5	H(m)		30	26	22	18	14	9	5	-	-	-	-
FQBm60	FQB60	0.37	0.5			40	35	31	26	21	16	11	5	-	-	-
FQBm70	FQB70	0.55	0.75			55	50	46	41	37	32	27	22	17	11	5
FQBm80	FQB80	0.75	1			65	60	55	50	45	40	34	28	21	13	5
FQBm85	FQB85	0.75	1			65	60	55	50	45	40	34	28	21	13	5



FSR

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 8m

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

Curve tolerance according to ISO 9906

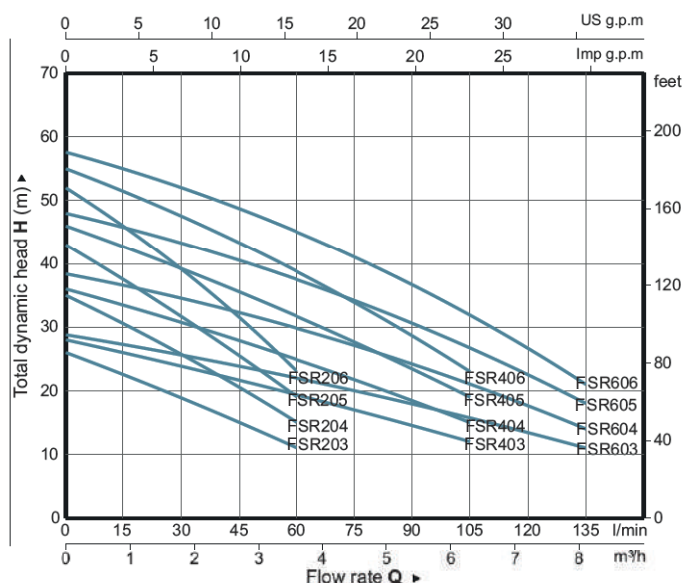
Options on request

Special mechanical seal

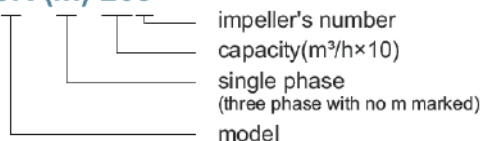
Other voltages or frequency 60 Hz

Warranty: 2 year

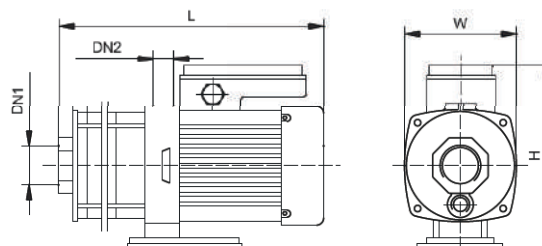
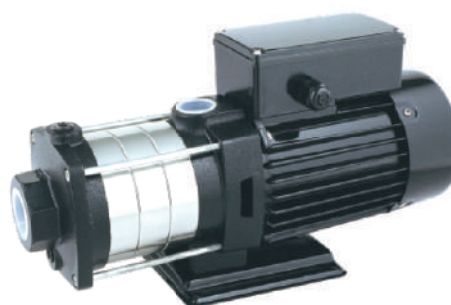
(according to our general sales conditions)



FSR (m) 203



MODEL	DN1	DN2	DIMENSIONS(mm)			WEIGHTS(kg)	
			W	H	L	1 ~	3 ~
FSR(m)203	1 1/4"	1"	123	210	342	10.5	10
FSR(m)204	1 1/4"	1"	123	210	362	11	10.5
FSR(m)205	1 1/4"	1"	123	210	382	11.5	11
FSR(m)206	1 1/4"	1"	123	210	437	12.5	12
FSR(m)403	1 1/4"	1"	123	210	348	11	10.5
FSR(m)404	1 1/4"	1"	123	210	371	12.5	12
FSR(m)405	1 1/4"	1"	123	210	429	14	13.5
FSR(m)406	1 1/4"	1"	123	210	452	14.5	14
FSR(m)603	1 1/4"	1"	123	210	356	13	12.5
FSR(m)604	1 1/4"	1"	123	210	418	13.5	13
FSR(m)605	1 1/4"	1"	123	210	445	14.5	14
FSR(m)606	1 1/4"	1"	123	210	472	15.5	14.5



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY												n≈2850 1/min				
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h l/min	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1					
						0	15	30	45	60	75	90	105	120	135					
FSRm203	FSR203	0.37	0.5	H(m)		26	23	19	15	11	-	-	-	-	-					
FSRm204	FSR204	0.55	0.75			35	31	26	21	15	-	-	-	-	-	-				
FSRm205	FSR205	0.75	1			43	38	32	26	19	-	-	-	-	-	-				
FSRm206	FSR206	0.92	1.25			52	46	39	32	23	-	-	-	-	-	-				
FSRm403	FSR403	0.55	0.75			28	26	24	22	19	17	15	12	-	-	-				
FSRm404	FSR404	0.75	1			37	34	31	28	25	22	18	15	-	-	-				
FSRm405	FSR405	0.92	1.25			46	43	39	36	32	28	23	19	-	-	-				
FSRm406	FSR406	1.1	1.5			55	52	48	43	39	34	29	23	-	-	-				
FSRm603	FSR603	0.75	1			29	27	26	24	22	20	18	16	13	11	11				
FSRm604	FSR604	0.92	1.25			38	37	35	33	30	27	24	21	18	14	14				
FSRm605	FSR605	1.1	1.5			48	46	43	41	38	34	31	27	22	18	18				
FSRm606	FSR606	1.5	2			58	55	52	49	45	41	37	32	27	21	21				



FPSR

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 9m

Motor and Pump

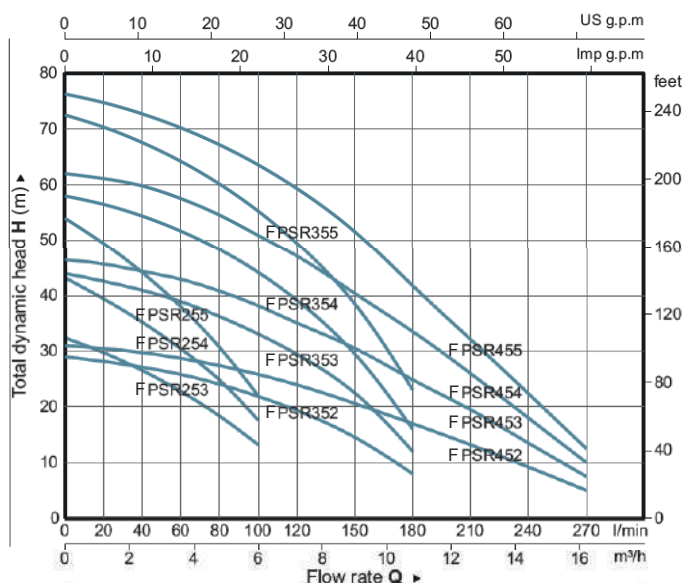
Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906

Options on request

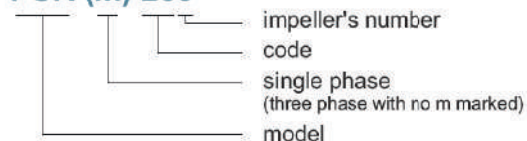
Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 2 year

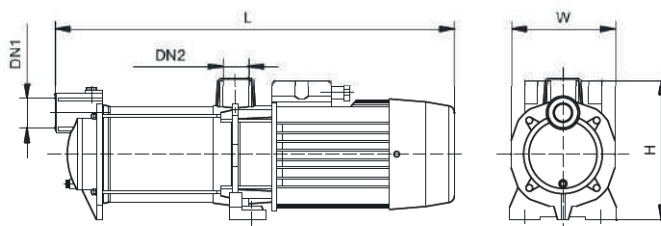
(according to our general sales conditions)



FPSR (m) 253



MODEL	DN1	DN2	DIMENSIONS(mm)			WEIGHTS(kg)	
			W	H	L	1~	3~
FPSR(m)253	1"	1"	138	192	423	14	13.5
FPSR(m)254	1"	1"	138	192	449	14.5	14
FPSR(m)255	1"	1"	138	192	475	15	14.5
FPSR(m)352	1 1/4"	1 1/4"	159	214	487	19	18.5
FPSR(m)353	1 1/4"	1 1/4"	159	214	514	21	20
FPSR(m)354	1 1/4"	1 1/4"	159	214	541	23	22
FPSR355	1 1/4"	1 1/4"	159	214	568	-	22.5
FPSR(m)452	1 1/2"	1 1/2"	173	250	530	24.5	23
FPSR(m)453	1 1/2"	1 1/2"	173	250	560	26.5	25
FPSR(m)454	1 1/2"	1 1/2"	173	250	590	29	27
FPSR455	1 1/2"	1 1/2"	173	250	620	-	30



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY											
1~ 220 - 240V	3~ 380 - 415V	kW	HP	n≈2850 1/min											
Q				m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	9.0	10.8	12.6	14.4
l/min					0	20	40	60	80	100	120	150	180	210	240
FPSRm253	FPSR253	0.75	1	H(m)	32	29	26	23	19	13	-	-	-	-	-
FPSRm254	FPSR254	0.92	1.25		43	39	35	30	25	18	-	-	-	-	-
FPSRm255	FPSR255	1.1	1.5		54	49	44	38	31	22	-	-	-	-	-
FPSRm352	FPSR352	0.75	1		29	28	27	26	24	22	19	14	9	-	-
FPSRm353	FPSR353	1.1	1.5		43	42	41	39	36	32	29	22	14	-	-
FPSRm354	FPSR354	1.5	2		58	56	54	52	48	43	38	29	18	-	-
-	FPSR355	2.2	3		72	70	68	65	60	54	48	38	23	-	-
FPSRm452	FPSR452	1.5	2		31	30	30	29	28	26	24	20	17	13	9
FPSRm453	FPSR453	2.2	3		46	45	44	44	41	38	35	30	26	20	14
FPSRm454	FPSR454	3	4		61	60	59	58	55	51	47	40	34	26	18
-	FPSR455	3.5	4.7		76	75	74	73	69	64	59	50	43	33	23



FPZB

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +40°C
Maximum sand content: 0.25%
Maximum suction lift: 8m

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Curve tolerance according to ISO 9906
Impeller material: brass

Options on request

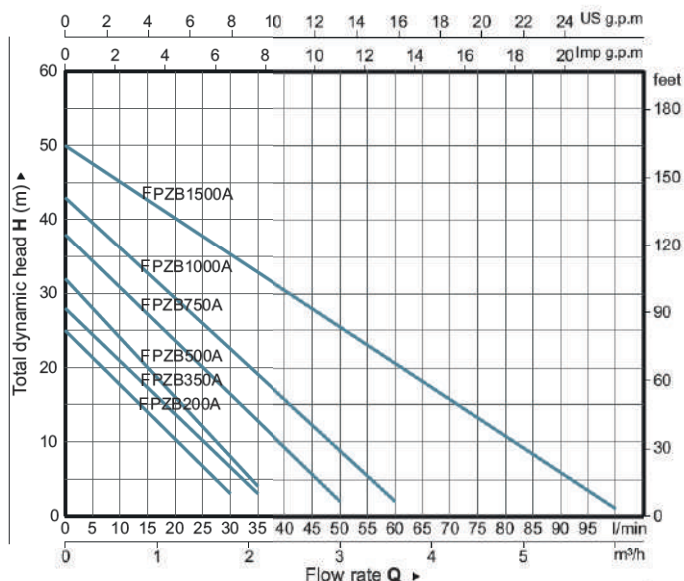
Special mechanical seal
Other voltages or frequency 60 Hz

Warranty: 2 year

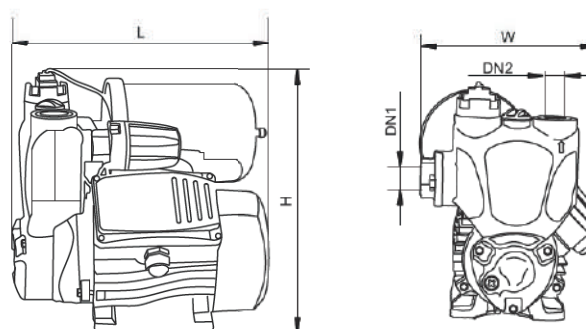
(according to our general sales conditions)

FPZB 200 (A)

automatic models
(no A non-automatic models)
power code (HP×1000)
model



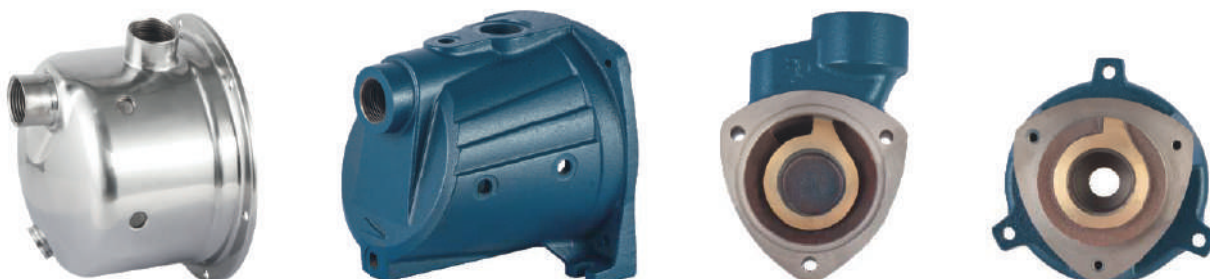
MODEL	DN1	DN2	DIMENSIONS(mm)			WEIGHTS(kg)
			W	H	L	
FPZB200A	1"	1"	100	250	220	8.5
FPZB350A	1"	1"	100	250	250	9
FPZB500A	1"	1"	115	250	250	12.5
FPZB750A	1"	1"	115	270	270	14.5
FPZB1000A	1"	1"	115	280	280	16
FPZB1500A	1½"	1½"	130	320	320	25



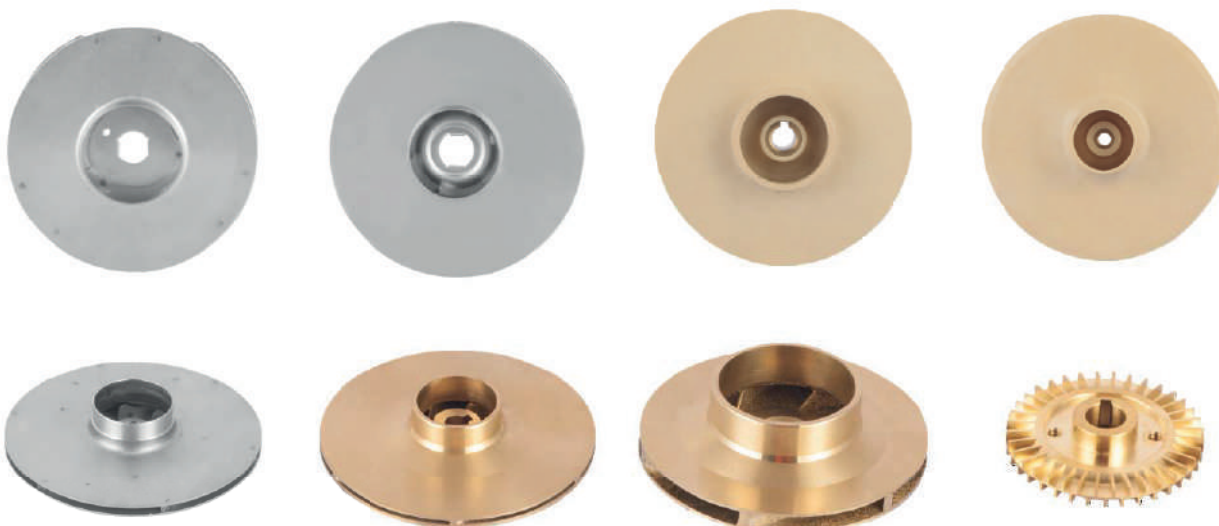
PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY																	n≈2850 1/min				
1 ~ 220 - 240V	kW	HP	Q	m³/h l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.8	6.0						
					0	5	10	15	20	25	30	35	40	45	50	60	80	100						
FPZB200A	0.15	0.2	H(m)		25	21	18	14	10	6	3	-	-	-	-	-	-	-						
FPZB350A	0.25	0.35			28	24	21	17	14	10	6	3	-	-	-	-	-	-						
FPZB500A	0.37	0.5			32	28	24	20	16	12	8	4	-	-	-	-	-	-						
FPZB750A	0.55	0.75			38	34	31	27	24	20	16	13	9	5	2	-	-	-						
FPZB1000A	0.75	1			43	40	36	33	29	26	22	19	16	12	9	2	-	-						
FPZB1500A	1.1	1.5			50	48	45	43	40	38	35	33	30	28	26	21	11	1						

Pump body



Impeller



Diffuser





Venturi tube



Body backplate



Pressure assembly



Shaft



Mechanical seal



Insert





37 Rue Boured Roches noires
Casablanca - Maroc

Tél. : +212 520 321 117

Fax : +212 522 240 100

E-mail : info@frisonpumps.com

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