

SUBMERSIBLE ELECTRIC PUMPS & MOTORS

50 Hz

 **Zirantec**



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C O N T E N T S

SUBMERSIBLE PUMPS

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Submersible Pumps Orion Series





GENERAL INFORMATION

ORION & HYDRA SERIES

PERFORMANCE CURVE CONDITIONS

The conditions below apply to the curves shown on the following pages.

- a. The Performance curves show pump performance at rated speed, voltage and @ 10ft minimum submergence.
The nominal speed of motor
4" motor : n = 2900 rpm
6" motor : n = 2900 rpm
8" & 10" motor : n = 2900 rpm
- b. The measurements were made with airless water at 20°C. When pumping liquids with a density higher than that of water, motors with correspondingly higher outputs must be used.
- c. Pipe friction losses have not been included in the performance curves and performance tables.
- d. The bold curves indicate the recommended performance range.
- e. Q/H : The curves are inclusive of check valve and suction inter-connector losses at the actual speed.
- f. Efficiency curve: "Eff%" shows pump stage efficiency.
- g. Curve tolerance according to ISO : 9906, Grade - 3B
- h. The performances are at rated voltage and are only Indicative. Actual discharge depends on availability of water in well, based on strength of water source, height of water column, submergence of pump, etc.,.
- i. The given performances are for specific materials of construction of pump.
- j. The outlet size of the pumps are as per BSP standard.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

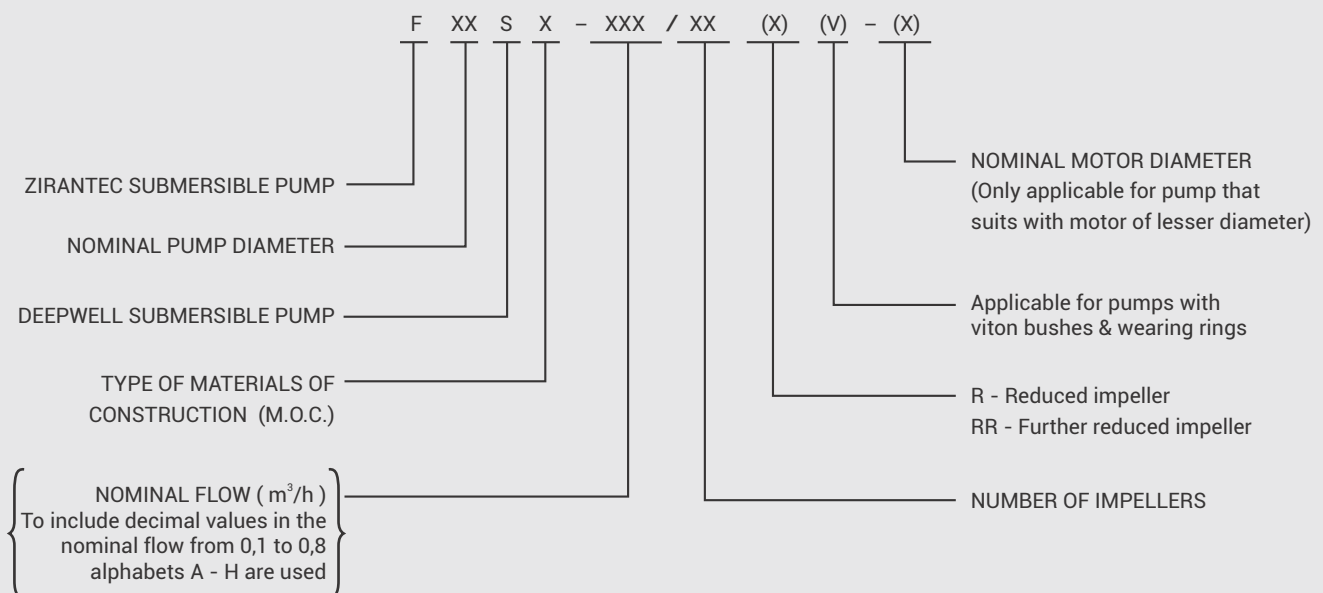
IMPORTANT NOTES

| Read our operator's manual carefully before installation | Pump should not be operated dry | Install dry run prevention to protect the pumpset from dry running | Use appropriate size, good quality cable and starter / protection devices | Use low friction good quality pipes | The pipe diameters must never be smaller than the pump connections | Install pump according to our recommended Head range | Reduce number of bends, elbows, T-bends as much as possible in the pipe line | All pumpsets employ a prime mover motor of suitable size | Avoid fatal electrical shock or injury by disconnecting power before working on or around the pumping system | Only technically qualified personnel must perform the works complying with local electricity rules and regulations | To reduce the risk of electrical shock during operation, an appropriate earthing is mandatory | Maximum permissible supply

voltage should lie between $\pm 10\%$ of the rated voltage | The performance data and curves are at rated voltage and only indicative | Product pictures shown are only for illustration purpose and the actual product may vary than they appear in picture | Standard pump supply is made for the maximum flange pressure rating mentioned in the dimensional drawing | Pipe sizes mentioned in inches are nominal pipe sizes and are nearest conversion of mm.

ORION & HYDRA SERIES MODEL IDENTIFICATION CODE

DEEPWELL SUBMERSIBLE PUMP



BOREHOLE SUBMERSIBLE PUMP

PUMP MODEL	/	CODE
F XX S X - XXX / XX	/	F 04 S S - 1E / 08

PUMPED LIQUIDS

Clean, thin, non-aggressive, non explosive, clear, cold, fresh water without abrasives, solid particles or fibre having the following characteristics

- a) **Temperature (max)** ----- NBR - 45°C / VITON - 90°C
- b) **Permissible amount of sand** ----- 50g/m³ (max)
- c) **Chlorine ion density** ----- 500 ppm (max)
- d) **Allowable solids** ----- 3000 ppm (max)
- e) **Specific gravity** ----- 1,004 (max)
- f) **Hardness (Drinking water)** ----- 300 (max)
- g) **Viscosity** ----- 1,75 x 10⁻⁶ m²/sec (max)
- h) **Turbidity** ----- 50 ppm silica scale (max)
- i) **pH** ----- 5 to 8,5
- j) **Altitude** ----- 3000 m.a.s.l (max)

TECHNICAL SPECIFICATION					
Nominal Diameter		4"(100mm)	6"(150mm)	8"(200mm)	10"(250mm)
Power Range		0,37 - 11 kW	2,2 - 63 kW	5,5 - 130 kW	9,3 - 220 kW
Speed		2900 rpm	2900 rpm	2900 rpm	2900 rpm
Discharge Range	m³/h	0,4 - 19	7 - 120	20 - 126	18 - 280
	lps	0,12 - 5,28	1,94 - 33,33	5,5 - 35	5 - 77,78
Total head range	m	4,0 - 535	4,5 - 850	8 - 518	6 - 488
	ft	13,0 - 1755	15 - 2788	26 - 1558	19,68 - 1600
Outlet size in inches		1 ¼, 1½ & 2	2, 2½, 3 & 4	4 & 5	6
Shaft Coupling		Splines	Splines	Splines	Keyway / Splines

Maximum temperature of Pumped liquid

Motor	Minimum cooling flow along the motor	Vertical installation	Horizontal installation (minimum 30° angle)
4" & 6"	0,15 m/s	NBR-45°C VITON-90°C	NBR-45°C VITON-90°C
8" & 10"	0,16 m/s		
4" & 10"	0,5 m/s	VITON-90°C	VITON-90°C

MAXIMUM OPERATING PRESSURE	
4" Submersible pump	5,4 Mpa (54 bar)
6" Submersible pump	7,6 Mpa (76 bar)
8" Submersible pump	4,8 Mpa (48 bar)
10" Submersible pump	5,5 Mpa (55 bar)

- Method of installation : Vertical/horizontal
- Combinations model : Combination of different sizes of pumps Designs
- Are also available according to the Hp requirements
- Ex motor/Pumps size- 4"/6",6"/8",8"/10",6"/4",8"/6",10"/8" etc...,

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

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Submersible Pumps Orion Series 50 HZ

CORROSION RESISTANCE | HIGH QUALITY

Engineered to perfection with corrosion resistance stainless steel the pump comes in four types (4", 6", 8" & 10") in accordance with NEMA standards. Matching of the ideally designed impellers and diffusers enables the best possible hydraulic efficiency. Exclusively ZIRANTEC

The pump which is a multistage centrifugal type is operated by submerging it beneath the surface of water. A highly advanced built in check valve prevents backflow, and reduces the risk of water hammer.

PREVENTS BACKFLOW | EXCELLENT OPERATION

ZIRANTEC 4", 6", 8" & 10" Stainless steel series submersible pump are products of expertise gained from over thirty years of experience, endurance and workmanship. Engineered to perfection the utmost care and stringent quality control at all stages has been taken to ensure a trouble free service.

ZIRANTEC submersible pumps can be offered with ZIRANTEC 'W' series, water filled rewindable submersible motors / ZIRANTEC 'R' series, Resin Filled encapsulated (water lubricated) submersible motors / ZIRANTEC 'L' Series, Non-toxic liquid filled submersible motors or any other NEMA standard motors.

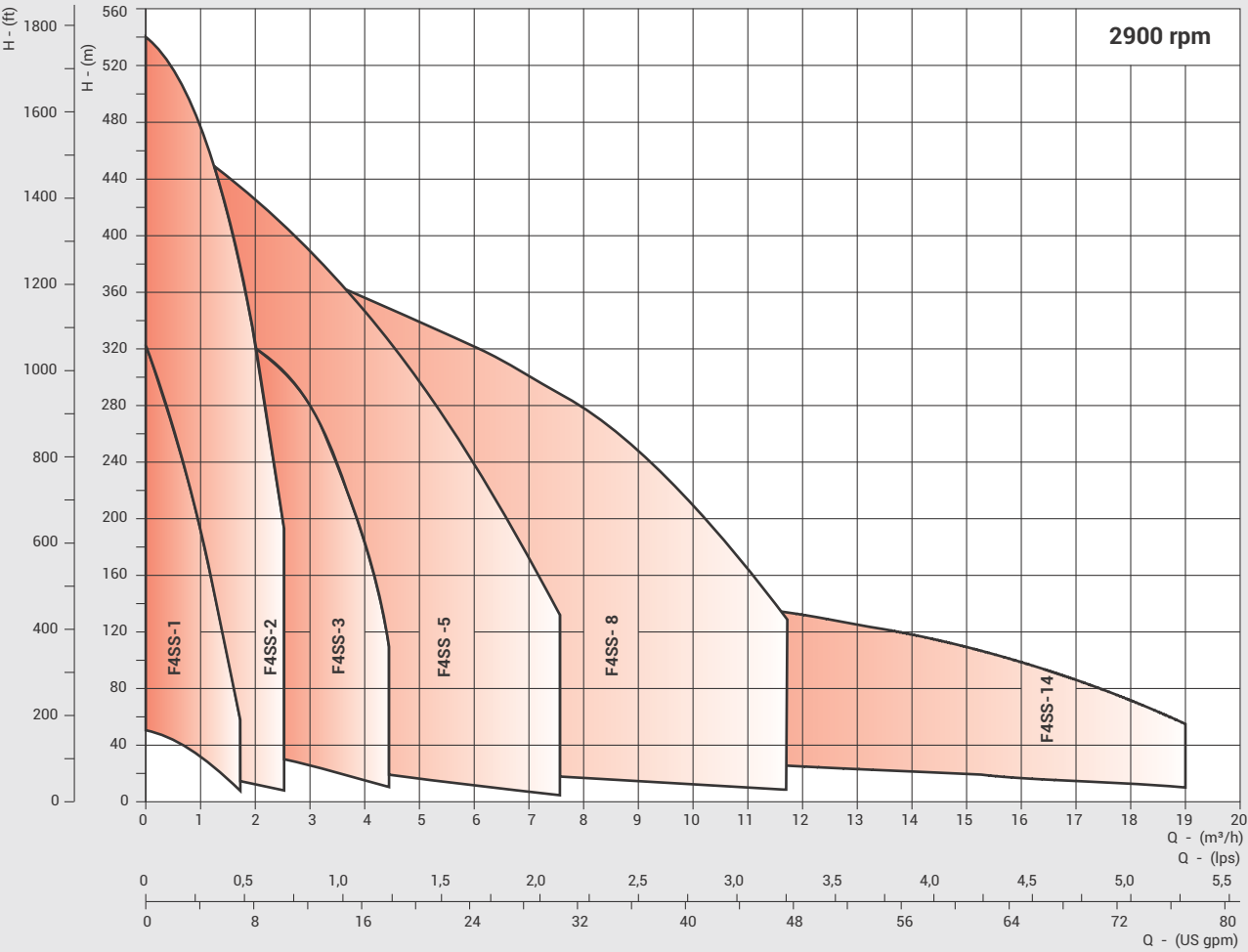
FEATURES : Best operating efficiency | Precise parts made of SS 304/316 | Highly durable & Hygiene | Good resistance to sand | Can be easily dismantled and repaired | Can handle upthrust loads | Additional intermediate bearings in higher stage pumps | Available MOC : Type S&N | Carbon thrust pad | Rubber bush bearing in all stages | SS 329 spline coupling for longer life.

APPLICATIONS : Residential | Irrigation | Civil Water supply | Fountains | Industrial & Rural water supply | Golf Course | Fire Fighting & Pressure Boosting units | Sprinkler Systems | Mining | Oil & Gas | De-watering | Food processing industry | Gardens | De-salination plants

FEATURES

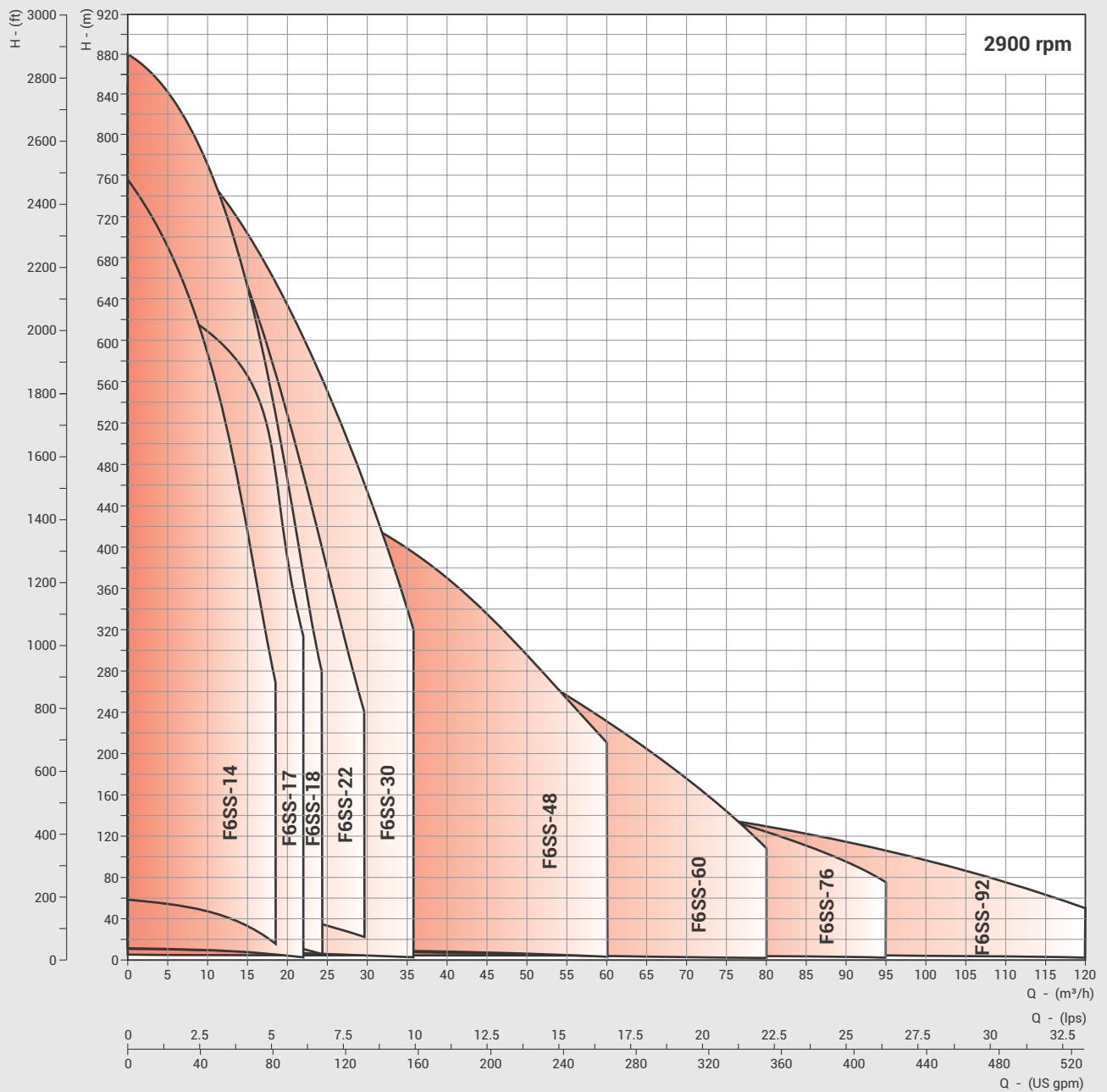
- Made of corrosion resistance stainless steel with built in check valve.
- All vital components are made of high quality 304 / 316 grade stainless steel.
- Shaft Dimension - S.S 304 / 329 / 431.
- Optimal design of impellers and diffusers enables the best possible hydraulic efficiency.
- All mounting dimensions of pumps and motors are in accordance with NEMA standards.
- Can be coupled to a submersible electric motor, which operates submerged beneath the surface of water.
- Built in check valve prevents backflow, and reduces the risk of water hammer.

HYDRAULIC GROUP PERFORMANCE CURVES - 4" STAINLESS STEEL PUMP



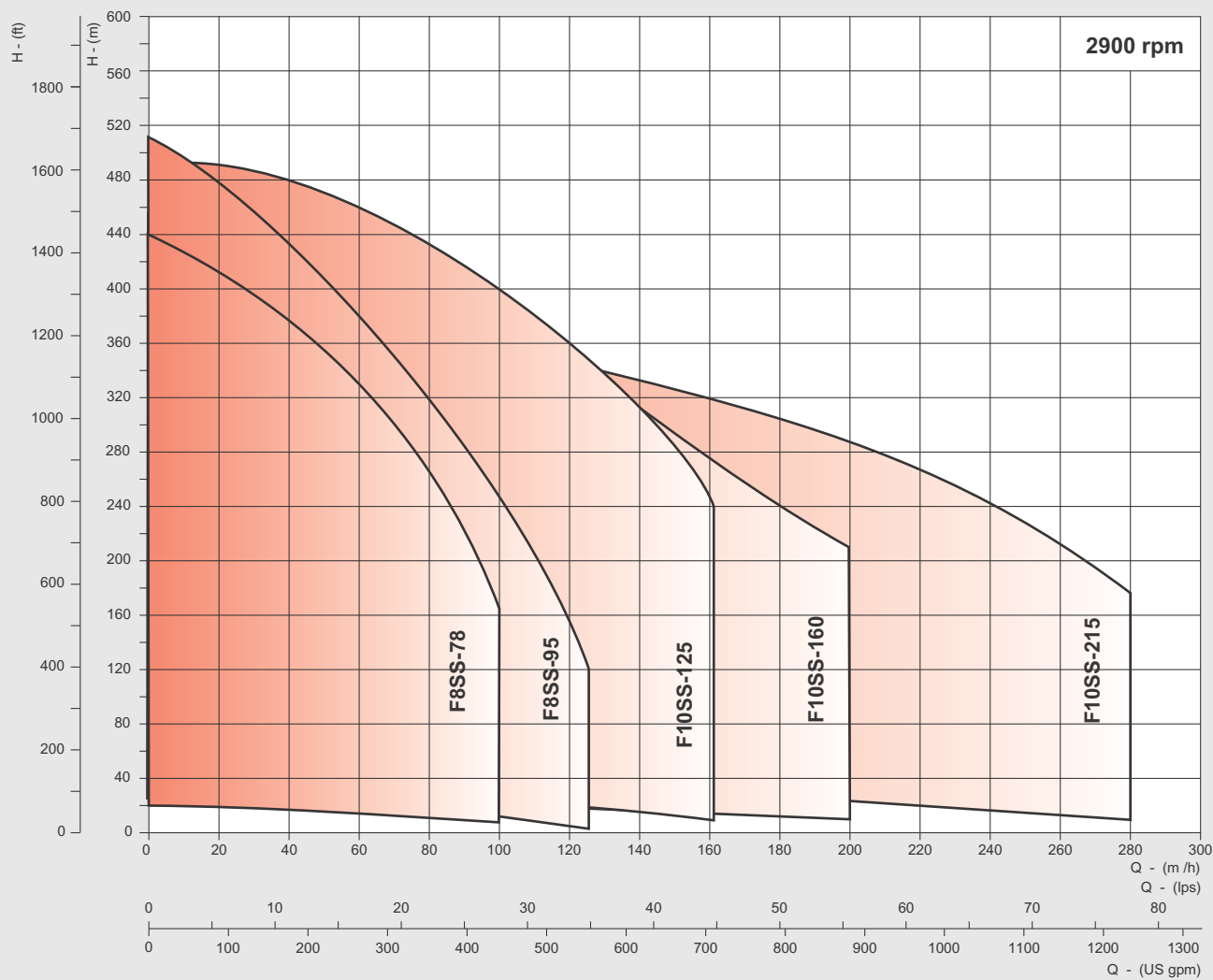
In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

HYDRAULIC GROUP PERFORMANCE CURVES - 6" STAINLESS STEEL PUMP



In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

HYDRAULIC GROUP PERFORMANCE CURVES - 8" & 10" STAINLESS STEEL PUMP



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MATERIALS OF CONSTRUCTION

PART NAME	PART NO.	NOMINAL DIA. 4"		NOMINAL DIA . 6", 8" & 10"	
		TYPE - S	TYPE - N	TYPE - S	TYPE - N
Check Valve Housing	21,00	S.S. - 304	S.S. - 316	S.S. - 304	S.S. - 316
Check Valve Disc	21,06	S.S. - 304	S.S. - 316	S.S. - 304	S.S. - 316
Check Valve Seat	21,01	NBR / VITON	NBR / VITON	NBR / VITON	NBR / VITON
Diffuser Chamber	18,03	S.S. - 304	S.S. - 316	S.S. - 304	S.S. - 316
Impeller	19,00	S.S. - 304	S.S. - 316	S.S. - 304	S.S. - 316
Split Cone With Nut**	19,02	S.S. - 304	S.S. - 316	S.S. - 304	S.S. - 316
Impeller Wear Ring / Seal Ring	17,01	NBR / VITON	NBR / VITON	NBR / VITON	NBR / VITON
Upthrust Washer / Stop Ring	13,03	S.S. - 304 / TEFLON S.S. - 420 / BRONZE	S.S. - 316 / TEFLON	S.S. - 420 / CARBON	S.S. - 329 / CARBON
Intermediate Bearing	18,07	NBR / VITON	NBR / VITON	NBR / VITON	NBR / VITON
Suction Inter Connector	17,00	S.S. - 304	S.S. - 316	S.S. - 304	S.S. - 316
Inlet Screen	14,03	S.S. - 304	S.S. - 316	S.S. - 304	S.S. - 316
Pump Shaft	22,00	S.S. - 304 / 431*	S.S. - 316 / 329*	S.S. - 431	S.S. - 329
Coupling Splines	22,01	S.S. - 329	S.S. - 329	S.S. - 329	S.S. - 329
Locking Straps	17,03	S.S. - 304	S.S. - 316	S.S. - 304	S.S. - 316
Cable Guard	17,04	S.S. - 304	S.S. - 316	S.S. - 304	S.S. - 316

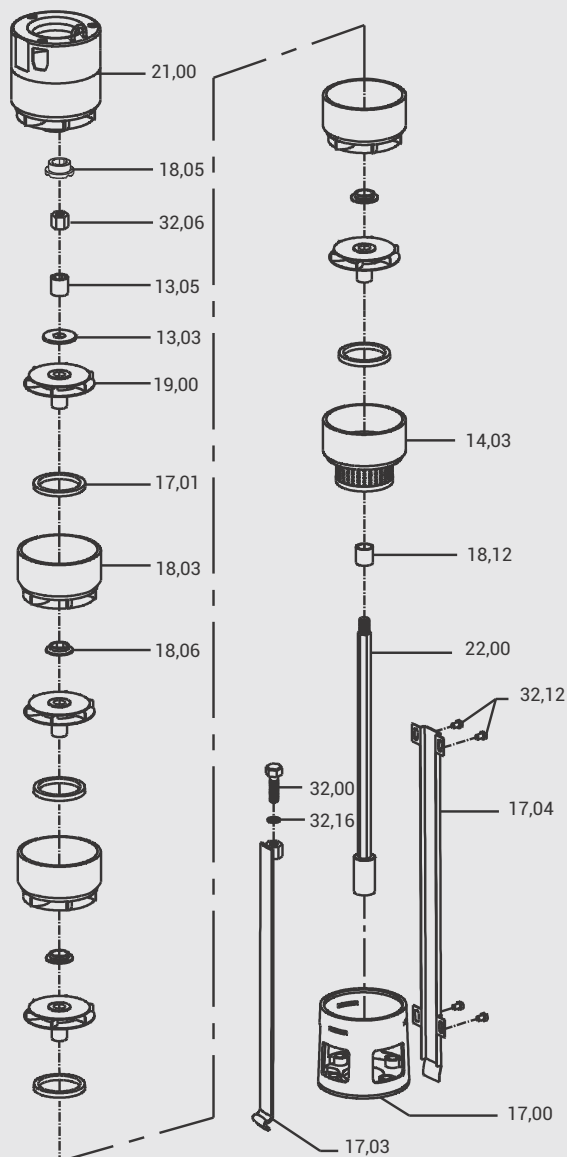
* Provided only for 4", 14m³/h

** Applicable for 4", 14m³/h and 6" 14m³/h to 10" 215m³/h pump models.

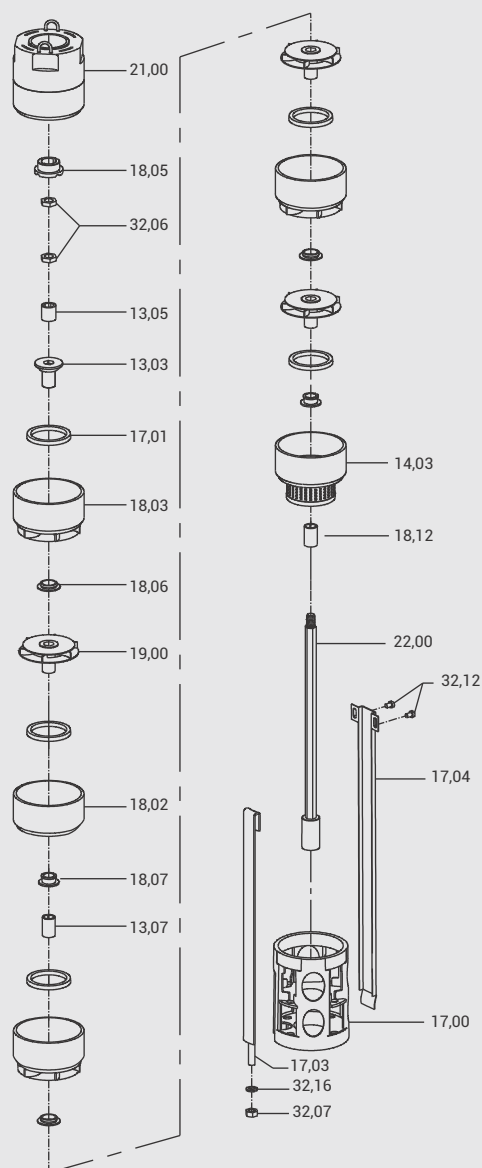
Note : 4" 1m³/h to 8m³/h pumps are provided with hexagonal shaft and other 4", 6", 8" & 10" pumps are with round shaft.
VITON Components are optional

EXPLODED VIEW - 4" STAINLESS STEEL SUBMERSIBLE PUMP

F4SS-1 / F4SS-2 / F4SS-3 (Below 29 Stages)



F4SS-1 / F4SS-2 / F4SS-3 (29 & above Stages)

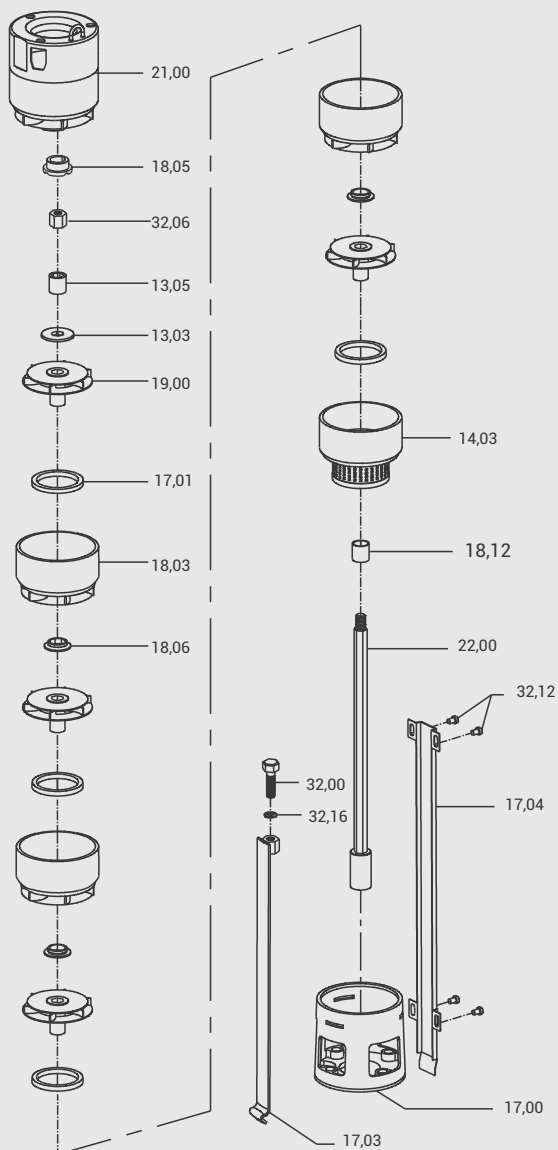


PART NO.	PART NAME	PART NO.	PART NAME
13,03	Upthrust Washer	19,00	Impeller
13,05	Sleeve	21,00	Check Valve Housing
14,03	Chamber-Inlet Screen	22,00	Pump Shaft
17,00	Suction Inter-connector	32,00	Bolt
17,01	Wearing ring	32,06	Lock Nut
17,03	Locking Strap	32,12	Screw
17,04	Cable Guard	32,16	Washer
18,03	Diffuser Chamber		
18,05	Bush - CT Pad		
18,06	Bush - Diffuser Chamber		
18,12	Spacer Sleeve		

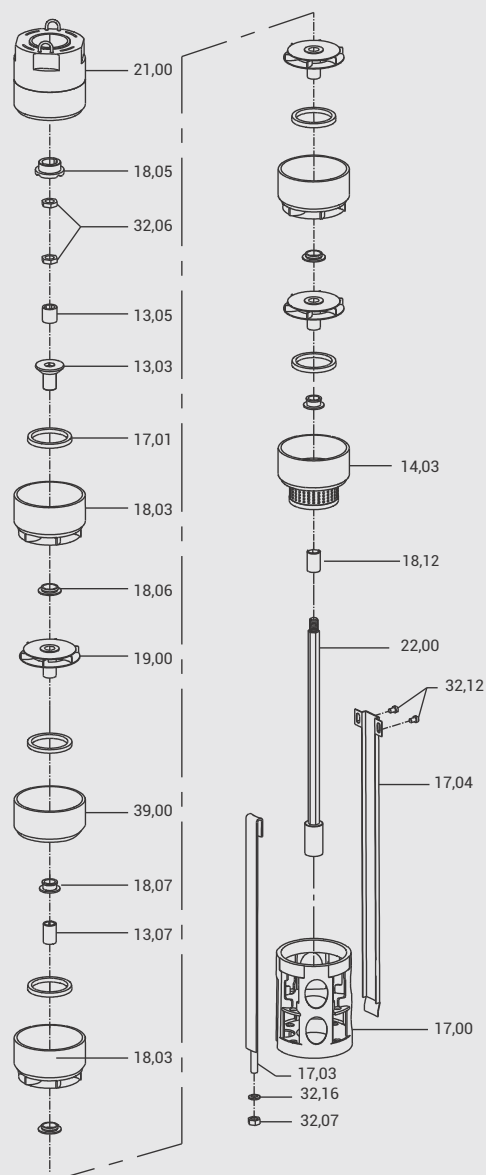
PART NO.	PART NAME	PART NO.	PART NAME
13,03	Upthrust Sleeve	18,06	Bush - Diffuser Chamber
13,07	Sleeve - Bracket	18,07	Bush - Bracket
13,05	Sleeve	18,12	Spacer Sleeve
14,03	Chamber-Inlet Screen	19,00	Impeller
17,00	Suction Inter-connector	21,00	Check Valve Housing
17,01	Wearing ring	22,00	Pump Shaft
17,03	Locking Strap	32,06	Lock Nut
17,04	Cable Guard	32,07	Nut
18,02	Chamber - Bracket	32,12	Screw
18,03	Diffuser Chamber	32,16	Washer
18,05	Bush - CT Pad		

EXPLODED VIEW - 4" STAINLESS STEEL SUBMERSIBLE PUMP

F4SS-5 (Below 25 Stages)



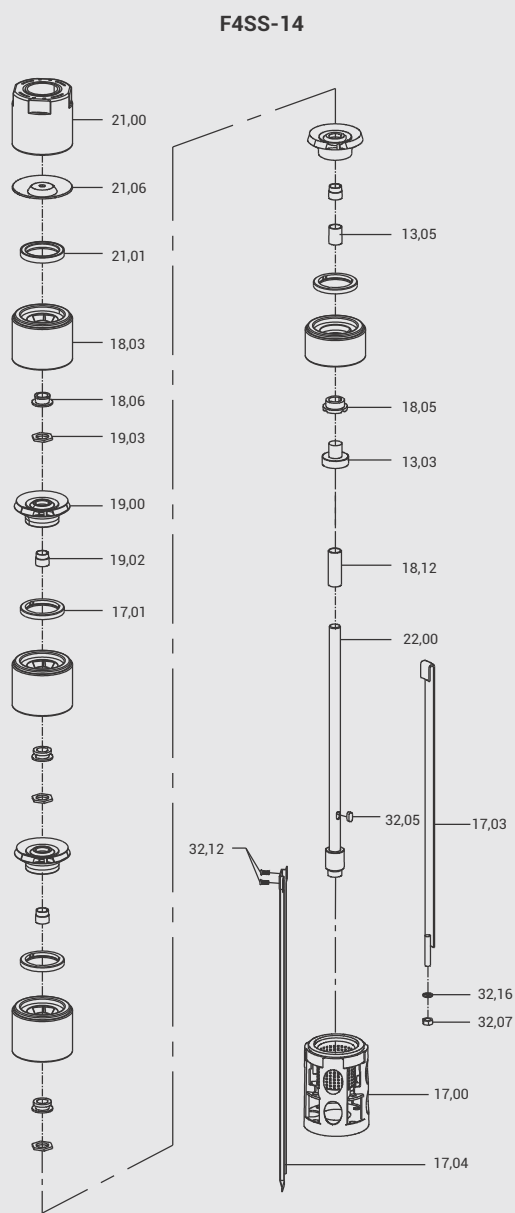
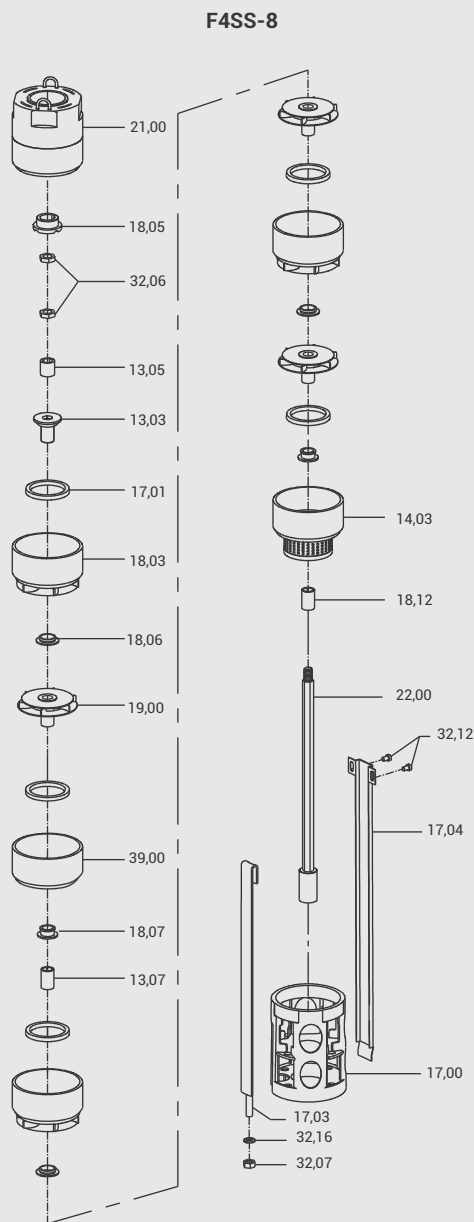
F4SS-5 (25 & Above Stages)



PART NO.	PART NAME	PART NO.	PART NAME
13,03	Upthrust Washer	19,00	Impeller
13,05	Sleeve	21,00	Check Valve Housing
14,03	Chamber-Inlet Screen	22,00	Pump Shaft
17,00	Suction Inter-connector	32,00	Bolt
17,01	Wearing ring	32,06	Lock Nut
17,03	Locking Strap	32,12	Screw
17,04	Cable Guard	32,16	Washer
18,03	Diffuser Chamber		
18,05	Bush - CT Pad		
18,06	Bush - Diffuser Chamber		
18,12	Spacer Sleeve		

PART NO.	PART NAME	PART NO.	PART NAME
13,03	Upthrust Sleeve	18,07	Bush - Bracket
13,05	Sleeve	18,12	Spacer Sleeve
13,07	Sleeve-Bracket	19,00	Impeller
14,03	Chamber-Inlet Screen	21,00	Check Valve Housing
17,00	Suction Inter-connector	22,00	Pump Shaft
17,01	Wear ring	32,06	Lock Nut
17,03	Locking Strap	32,07	Nut
17,04	Cable Guard	32,12	Screw
18,03	Diffuser Chamber	32,16	Washer
18,05	Bush - CT Pad	39,00	Chamber - Bracket
18,06	Bush - Diffuser Chamber		

EXPLODED VIEW - 4" STAINLESS STEEL SUBMERSIBLE PUMP

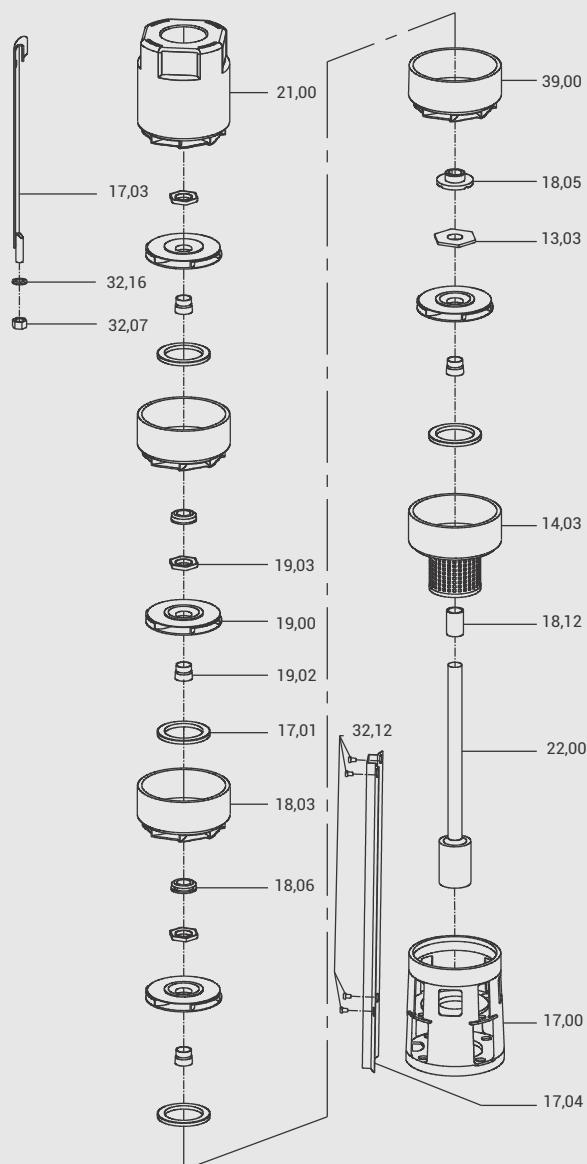


PART NO.	PART NAME	PART NO.	PART NAME
13,03	Upthrust Sleeve	18,07	Bush - Bracket
13,05	Sleeve	18,12	Spacer Sleeve
13,07	Sleeve-Bracket	19,00	Impeller
14,03	Chamber-Inlet Screen	21,00	Check Valve Housing
17,00	Suction Inter-connector	22,00	Pump Shaft
17,01	Wear ring	39,00	Chamber - Bracket
17,03	Locking Strap	32,06	Lock Nut
17,04	Cable Guard	32,07	Nut
18,03	Diffuser Chamber	32,12	Screw
18,05	Bush - CT Pad	32,16	Washer
18,06	Bush - Diffuser Chamber		

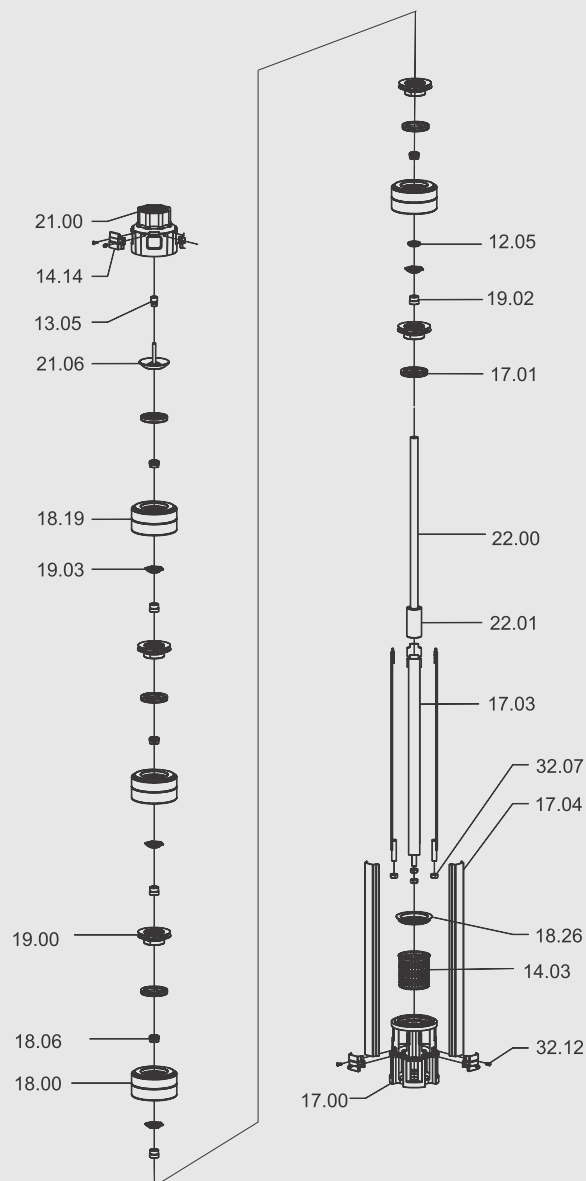
PART NO.	PART NAME	PART NO.	PART NAME
13,03	Upthrust Sleeve	19,02	Split Cone
13,05	Sleeve	19,03	Split Cone Nut
17,00	Suction Inter-connector	21,00	Check Valve Housing
17,01	Wear ring	21,01	Check Valve Seat
17,03	Locking Strap	21,06	Check Valve Disc
17,04	Cable Guard	22,00	Pump Shaft
18,03	Diffuser Chamber	32,05	Key
18,05	Bush - CT Pad	32,07	Nut
18,06	Bush - Diffuser Chamber	32,12	Screw
18,12	Spacer Sleeve	32,16	Washer
19,00	Impeller		

EXPLODED VIEW - 6" STAINLESS STEEL SUBMERSIBLE PUMP

F6SS-14 / F6SS-18 / F6SS-22



F6SS-17



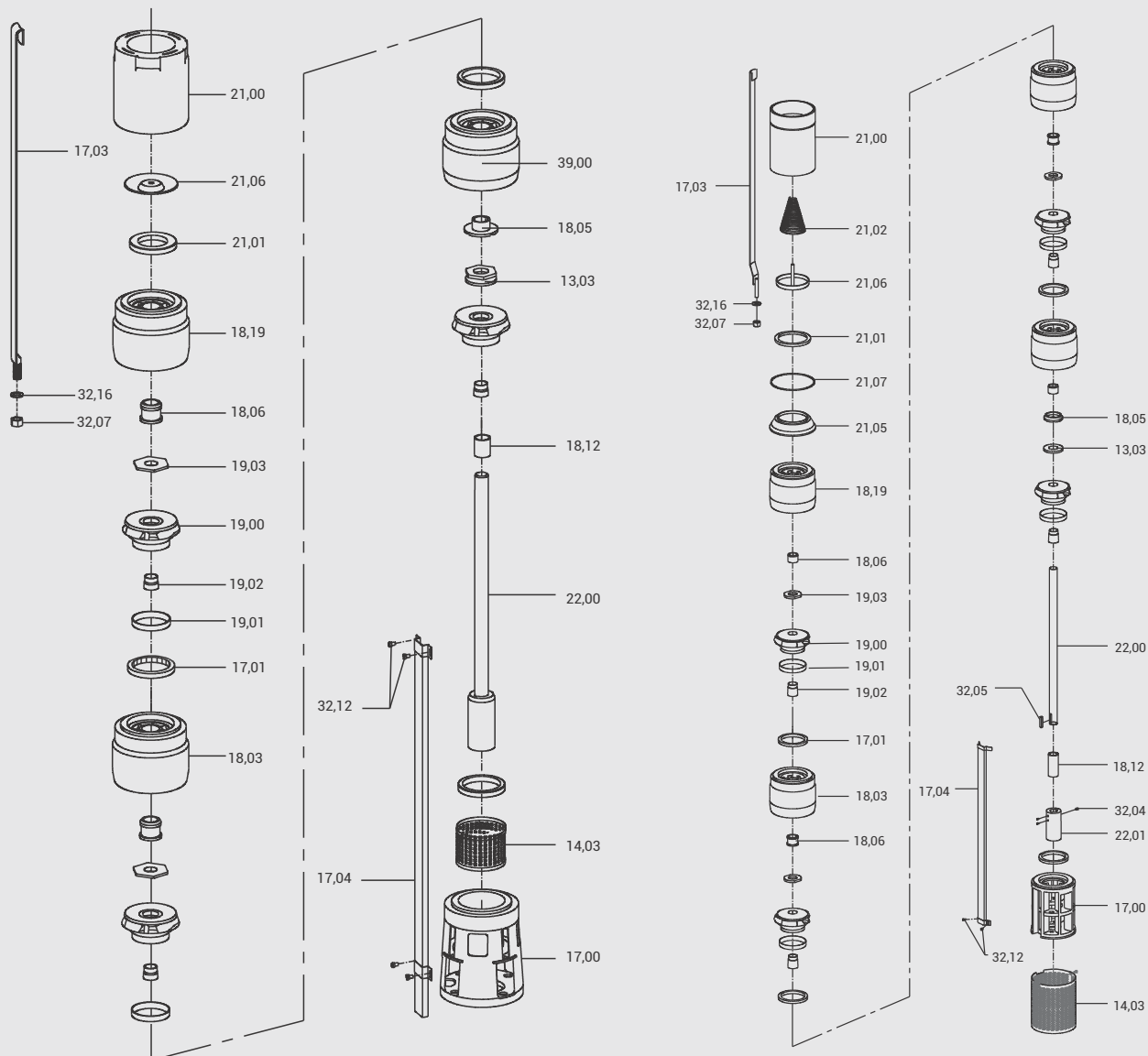
PART NO.	PART NAME	PART NO.	PART NAME
13,03	Upthrust Washer	19,02	Split Cone
14,03	Chamber Inlet Screen	19,03	Split Cone Nut
17,00	Suction Inter-connector	21,00	Check Valve Housing
17,01	Wear ring	22,00	Pump Shaft
17,03	Locking Strap	32,07	Nut
17,04	Cable Guard	32,12	Screw
18,03	Diffuser Chamber	32,16	Washer
18,05	Bush - CT Pad	39,00	Chamber - Bracket
18,06	Bush - Diffuser Chamber		
18,12	Spacer Sleeve		
19,00	Impeller		

PART NO.	PART NAME	PART NO.	PART NAME
13,03	Upthrust Washer	19,01	Neck Ring
14,03	Inlet Screen	19,02	Split Cone
17,00	Suction Inter-connector	19,03	Split Cone Nut
17,01	Wear ring	21,00	Check Valve Housing
17,03	Locking Strap	21,01	Check Valve Seat
17,04	Cable Guard	21,06	Check Valve Disc
18,05	Bush - CT Pad	22,00	Pump Shaft
18,06	Bush - Diffuser Chamber	32,07	Nut
18,03	Diffuser Chamber	32,12	Screw
18,12	Spacer Sleeve	32,16	Washer
18,19	Diffuser Chamber Top	39,00	Chamber - Bracket
19,00	Impeller		

EXPLODED VIEW - 8" & 10" STAINLESS STEEL SUBMERSIBLE PUMP

F6SS-30 / F6SS-48 / F6SS-60 / F6SS-76 / F6SS-92

F8SS-78 / F8SS-95 / F10SS-125 / F10SS-160 / F10SS-215



PART NO.	PART NAME
13,03	Upthrust Washer
14,03	Inlet Screen
17,00	Suction Inter-connector
17,01	Wear ring
17,03	Locking Strap
17,04	Cable Guard
18,03	Diffuser Chamber
18,05	Bush - CT Pad
18,06	Bush - Diffuser Chamber
18,12	Spacer Sleeve

PART NO.	PART NAME
18,19	Diffuser Chamber Top
19,00	Impeller
19,01	Neck Ring
19,02	Split Cone
19,03	Split Cone Nut
21,00	Check Valve Housing
21,01	Check Valve Seat
21,02	Check Valve Spring
21,05	Check Valve bracket
21,06	Check valve Disc

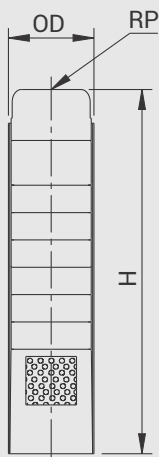
PART NO.	PART NAME
21,07	O-Ring
22,00	Pump Shaft
22,01	Coupling
32,04	Crub Screw
32,05	Key
32,07	Nut
32,12	Screw
32,16	Washer

DIMENSIONS & WEIGHT - 4" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 4"

Nominal Flow : 1m³/h

Outlet Size : 1½"



PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	OD	RP	H	
F4SS-1/09	0,37	0,5	97	32	357	4
F4SS-1/14	0,37	0,5	97	32	467	5
F4SS-1/18	0,55	0,75	97	32	555	6
F4SS-1/21	0,55	0,75	97	32	621	7
F4SS-1/28	0,75	1	97	32	775	9
F4SS-1/36	1,1	1,5	97	32	1094	13
F4SS-1/42	1,1	1,5	97	32	1262	16
F4SS-1/50	1,5	2	97	32	1454	19
F4SS-1/57	1,5	2	97	32	1646	21

PERFORMANCE TABLE

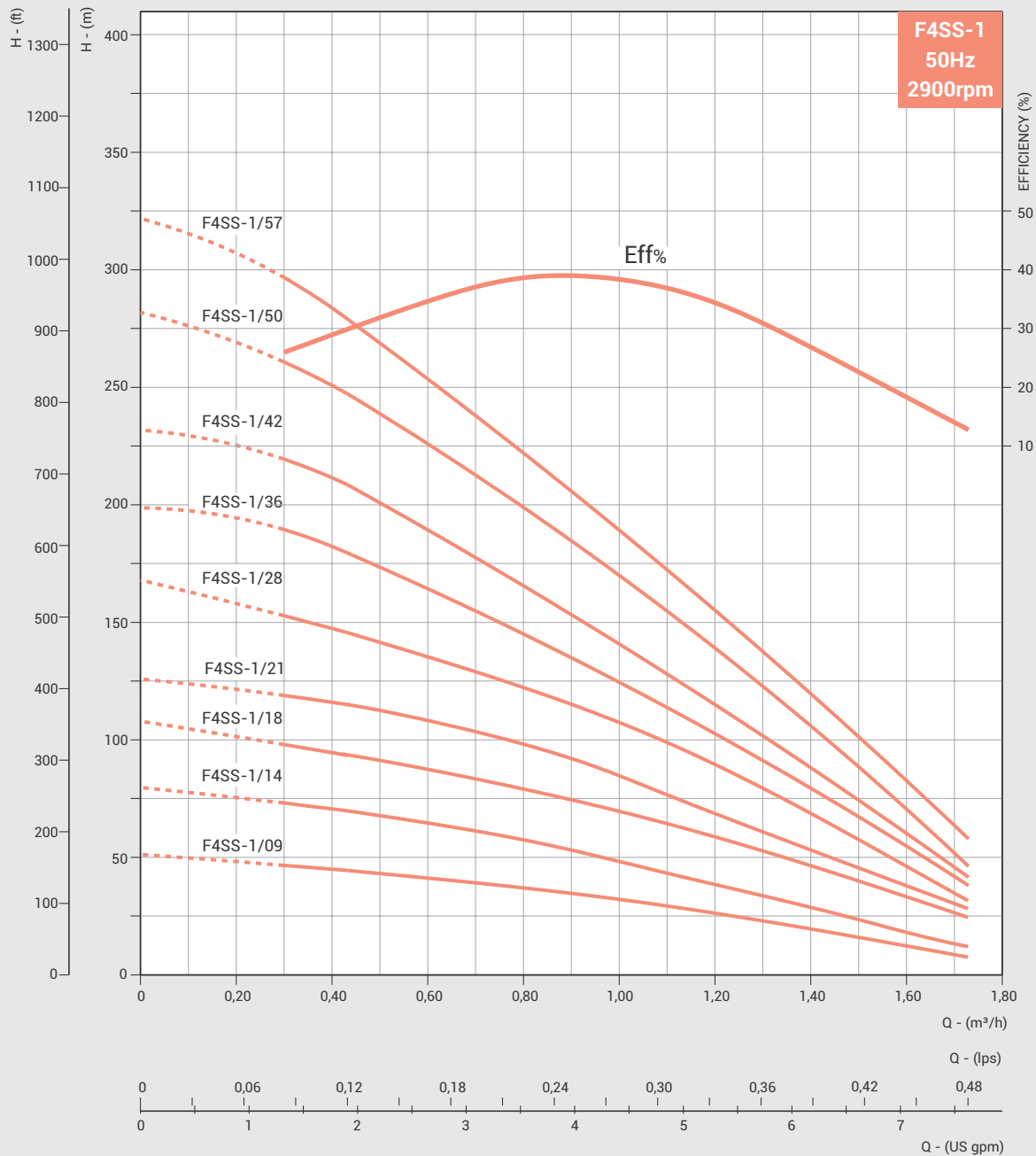
PUMP MODEL	MOTOR kW	lps	0	0,11	0,16	0,22	0,27	0,33	0,38	0,44	0,47
		m ³ /h	0	0,40	0,60	0,80	1,0	1,2	1,4	1,6	1,7
F4SS-1/09	0,37	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	50	45	41	38	32	26,5	20	12	9
F4SS-1/14	0,37		80	70,5	65	58	49	39	29	18	12,5
F4SS-1/18	0,55		105	94	88	79,5	70	59,5	47	33	26
F4SS-1/21	0,55		125	116,5	108,5	99	85	69,5	53	39	30
F4SS-1/28	0,75		165	148	135	122,5	107,5	90	69	47	35
F4SS-1/36	1,1		198	182	165	145	123	102	80	54	41
F4SS-1/42	1,1		230	211	190	165	140	116	89	60	45
F4SS-1/50	1,5		280	250	226	199	170	140	106	70	51
F4SS-1/57	1,5		320	284	253	221	189	155	120	82	63

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 4" STAINLESS STEEL SUBMERSIBLE PUMP



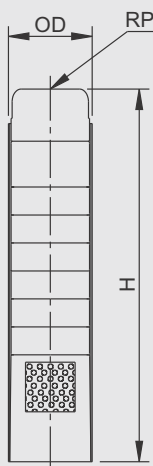
Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT - 4" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 4"

Nominal Flow : 2m³/h

Outlet Size : 1½"



PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	OD	RP	H	
F4SS-2/06	0,37	0,5	97	32	291	3
F4SS-2/09	0,37	0,5	97	32	357	3
F4SS-2/13	0,55	0,75	97	32	445	4
F4SS-2/15	0,55	0,75	97	32	489	5
F4SS-2/18	0,75	1	97	32	554	6
F4SS-2/23	1,1	1,5	97	32	665	7
F4SS-2/28	1,5	2	97	32	775	8
F4SS-2/33	1,5	2	97	32	1022	12
F4SS-2/40	2,2	3	97	32	1214	14
F4SS-2/48	2,2	3	97	32	1382	17
F4SS-2/55	3	4	97	32	1550	20
F4SS-2/65	3	4	97	32	1838	22
F4SS-2/75	4	5,5	97	32	2078	26
F4SS-2/90	4	5,5	97	32	2438	31

PERFORMANCE TABLE

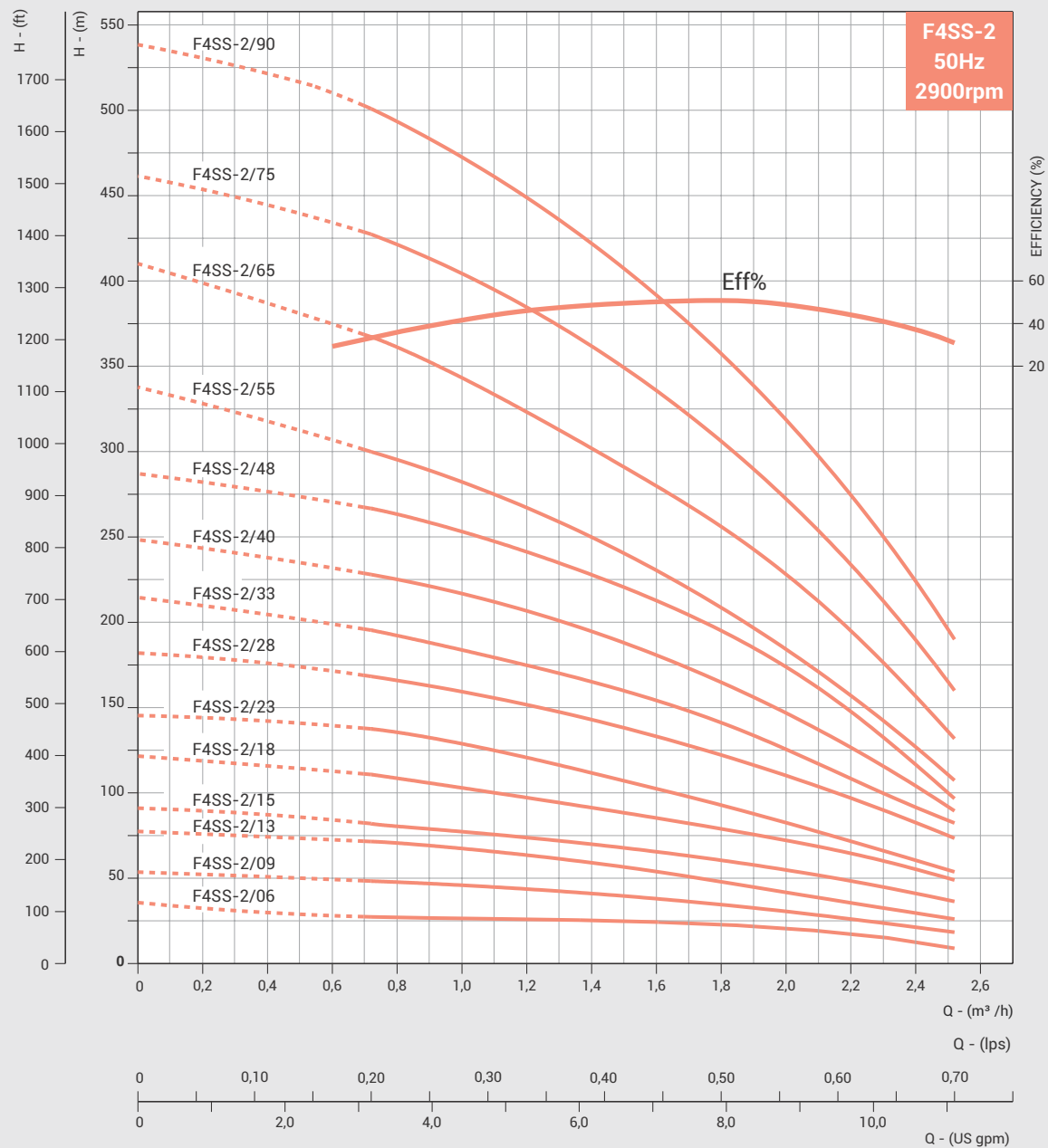
PUMP MODEL	MOTOR kW	lps	0	0,16	0,27	0,38	0,50	0,55	0,61	0,72
		m ³ /h	0	0,6	1,0	1,4	1,8	2,0	2,2	2,5
F4SS-2/06	0,37	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	35	28	26.5	25	23	20	17	8
F4SS-2/09	0,37		54	49	45	40	35	30	25	19
F4SS-2/13	0,55		76	72	68	60	48	42	36	27
F4SS-2/15	0,55		90	82	78	70	60	57	48	38
F4SS-2/18	0,75		120	115	102	92	80	72	63	50
F4SS-2/23	1,1		145	140	128	113	93	82	71	57
F4SS-2/28	1,5		180	172	160	142	121	110	98	77
F4SS-2/33	1,5		215	199	183	165	140	124	108	82
F4SS-2/40	2,2		249	232	218	195	165	144	127	92
F4SS-2/48	2,2		285	272	254	227	195	174	148	100
F4SS-2/55	3		335	306	282	250	209	183	158	110
F4SS-2/65	3		405	375	342	301	257	228	196	138
F4SS-2/75	4		460	435	403	363	305	272	235	164
F4SS-2/90	4		535	513	473	421	358	319	276	198

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 4" STAINLESS STEEL SUBMERSIBLE PUMP



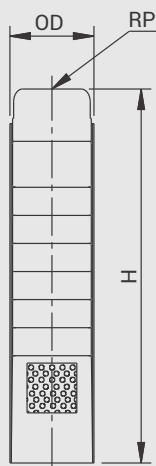
Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT - 4" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 4"

Nominal Flow : 3m³/h

Outlet Size : 1 1/4"



PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	OD	RP	H	
F4SS-3/06	0,37	0,5	97	32	291	3
F4SS-3/09	0,55	0,75	97	32	3567	3
F4SS-3/12	0,75	1	97	32	423	4
F4SS-3/15	1,1	1,5	97	32	489	5
F4SS-3/18	1,1	1,5	97	32	555	6
F4SS-3/22	1,5	2	97	32	643	7
F4SS-3/25	1,5	2	97	32	709	8
F4SS-3/29	2,2	3	97	32	797	8
F4SS-3/33	2,2	3	97	32	1022	12
F4SS-3/39	3	4	97	32	1166	14
F4SS-3/45	3	4	97	32	1334	16
F4SS-3/52	4	5,5	97	32	1502	18
F4SS-3/60	4	5,5	97	32	1718	21
F4SS-3/75	5,5	7,5	97	32	2148	26

PERFORMANCE TABLE

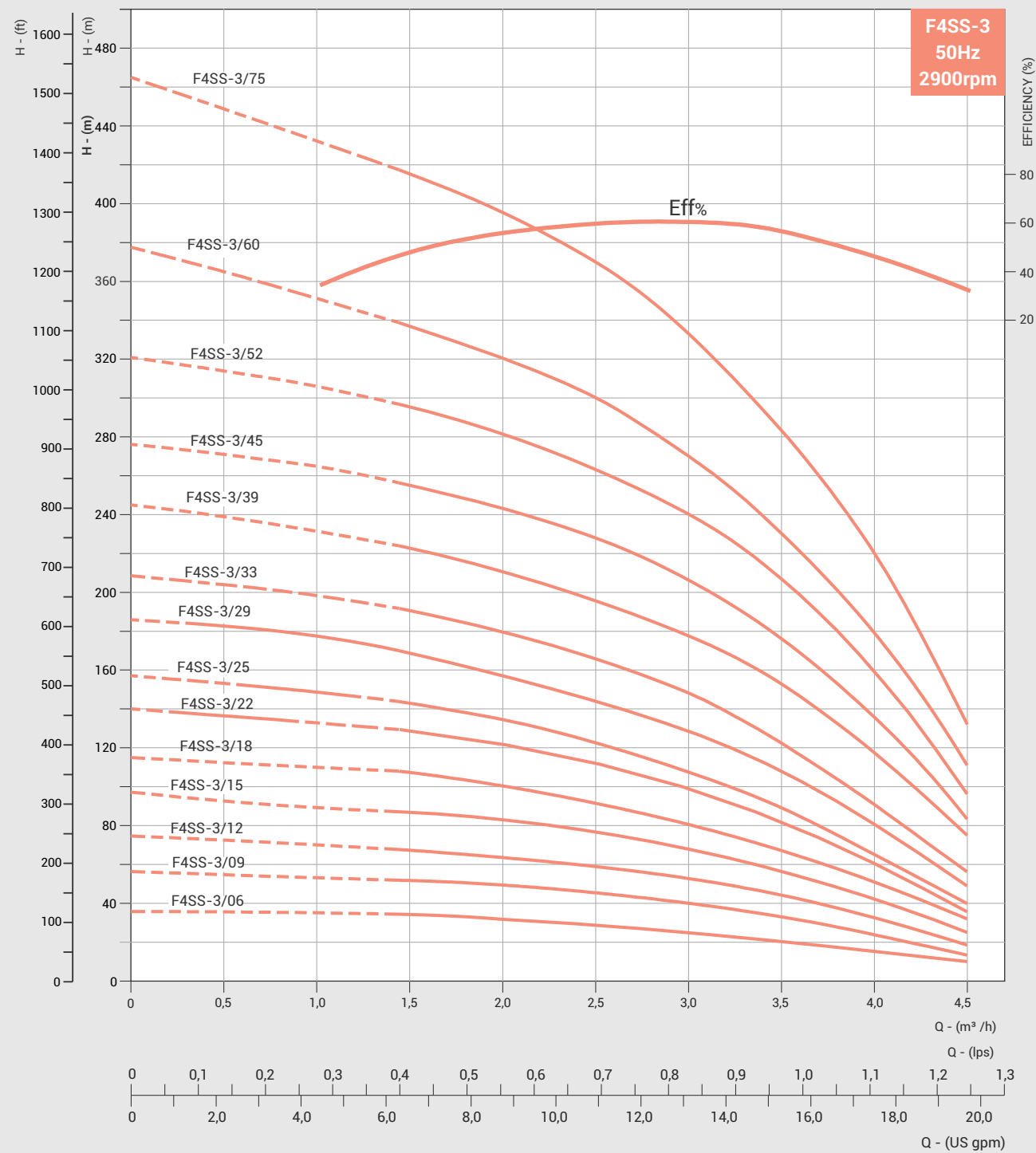
PUMP MODEL	MOTOR kW	lps m ³ /h	0	0,41	0,55	0,69	0,83	0,97	1,11	1,25
			0	1,5	2,0	2,5	3,0	3,5	4,0	4,5
F4SS-3/06	0,37	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	35	34	31	29	25	20	15	10
F4SS-3/09	0,55		56	52	50	45	40	32	24	14
F4SS-3/12	0,75		75	67	63	60	53	45	32	19
F4SS-3/15	1,1		98	86	82	76	67	55	41	25
F4SS-3/18	1,1		115	106	100	91	80	66	50	32
F4SS-3/22	1,5		140	129	121	111	99	80	60	35
F4SS-3/25	1,5		156	143	135	122	107	89	65	40
F4SS-3/29	2,2		185	169	156	144	129	108	80	50
F4SS-3/33	2,2		209	190	180	166	149	123	90	57
F4SS-3/39	3		245	223	210	195	177	153	117	75
F4SS-3/45	3		275	255	243	227	206	176	135	81
F4SS-3/52	4		320	295	280	263	240	207	160	97
F4SS-3/60	4		377	337	320	300	270	230	180	110
F4SS-3/75	5,5		465	415	395	370	332	282	220	132

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 4" STAINLESS STEEL SUBMERSIBLE PUMP



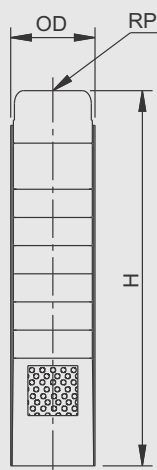
Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT - 4" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 4"

Nominal Flow : 5m³/h

Outlet Size : 1½"



PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	OD	RP	H	
F4SS-5/04	0,37	0,5	97	40	255	2
F4SS-5/06	0,55	0,75	97	40	303	3
F4SS-5/08	0,75	1	97	40	351	4
F4SS-5/12	1,1	1,5	97	40	447	5
F4SS-5/17	1,5	2	97	40	567	6
F4SS-5/21	2,2	3	97	40	663	7
F4SS-5/25	2,2	3	97	40	759	8
F4SS-5/33	3	4	97	40	1022	12
F4SS-5/38	4	5,5	97	40	1142	13
F4SS-5/44	4	5,5	97	40	1310	16
F4SS-5/52	5,5	7,5	97	40	1502	18
F4SS-5/60	5,5	7,5	97	40	1718	21
F4SS-5/70	7,5	10	97	40	1939	25
F4SS-5/75	7,5	10	97	40	2078	27

PERFORMANCE TABLE

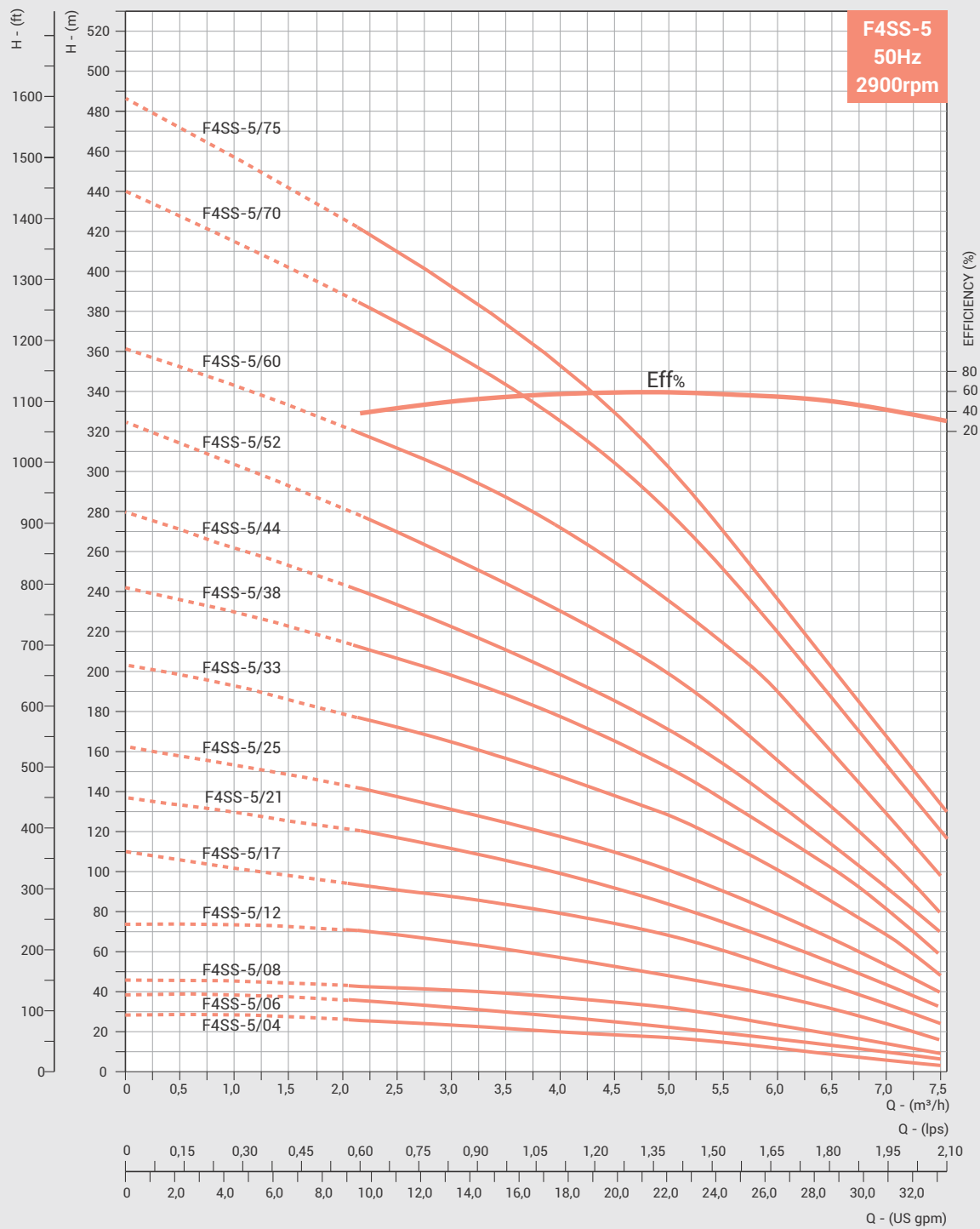
PUMP MODEL	MOTOR kW	lps m ³ /h	0	0,55	0,83	1,11	1,39	1,66	1,94
			0	2,0	3,0	4,0	5,0	6,0	7,0
F4SS-5/04	0,37	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	28	26	22,5	20	17	12	5
F4SS-5/06	0,55		39	36	32	28	22	17	10
F4SS-5/08	0,75		46	42,5	40	37	32	23	15
F4SS-5/12	1,1		75	71	65	57	48	38	24
F4SS-5/17	1,5		108	94	88	80	68	51	33
F4SS-5/21	2,2		138	121	112	99	84	65	42
F4SS-5/25	2,2		162	143	131	119	102	77	53
F4SS-5/33	3		202	179	165	147	128	100	68
F4SS-5/38	4		241	215	198	177	152	119	81
F4SS-5/44	4		280	244	223	199	170	134	92
F4SS-5/52	5,5		324	281	258	230	199	156	108
F4SS-5/60	5,5		360	322	300	262	236	190	130
F4SS-5/70	7,5		440	389	360	325	279	220	152
F4SS-5/75	7,5		487	427	392	352	302	237	168

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 4" STAINLESS STEEL SUBMERSIBLE PUMP



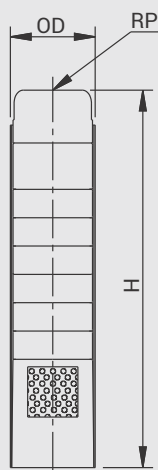
Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT - 4" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 4"

Nominal Flow : 8m³/h

Outlet Size : 2"



PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	OD	RP	H	
F4SS-8/05	0,75	1	97	50	410	5
F4SS-8/07	1,1	1,5	97	50	482	5
F4SS-8/09	1,5	2	97	50	554	6
F4SS-8/10	1,5	2	97	50	590	6
F4SS-8/12	2,2	3	97	50	662	7
F4SS-8/15	2,2	3	97	50	770	9
F4SS-8/18	3	4	97	50	878	10
F4SS-8/22	4	5,5	97	50	1022	12
F4SS-8/25	4	5,5	97	50	1152	13
F4SS-8/30	5,5	7,5	97	50	1332	15
F4SS-8/34	5,5	7,5	97	50	1476	17
F4SS-8/37	5,5	7,5	97	50	1606	19
F4SS-8/44	7,5	10	97	50	1860	22
F4SS-8/50	7,5	10	97	50	2076	25
F4SS-8/58	9,3	12,5	97	50	2390	30
F4SS-8/66	11	15	97	50	2678	35
F4SS-8/73	11	15	97	50	2954	39

PERFORMANCE TABLE

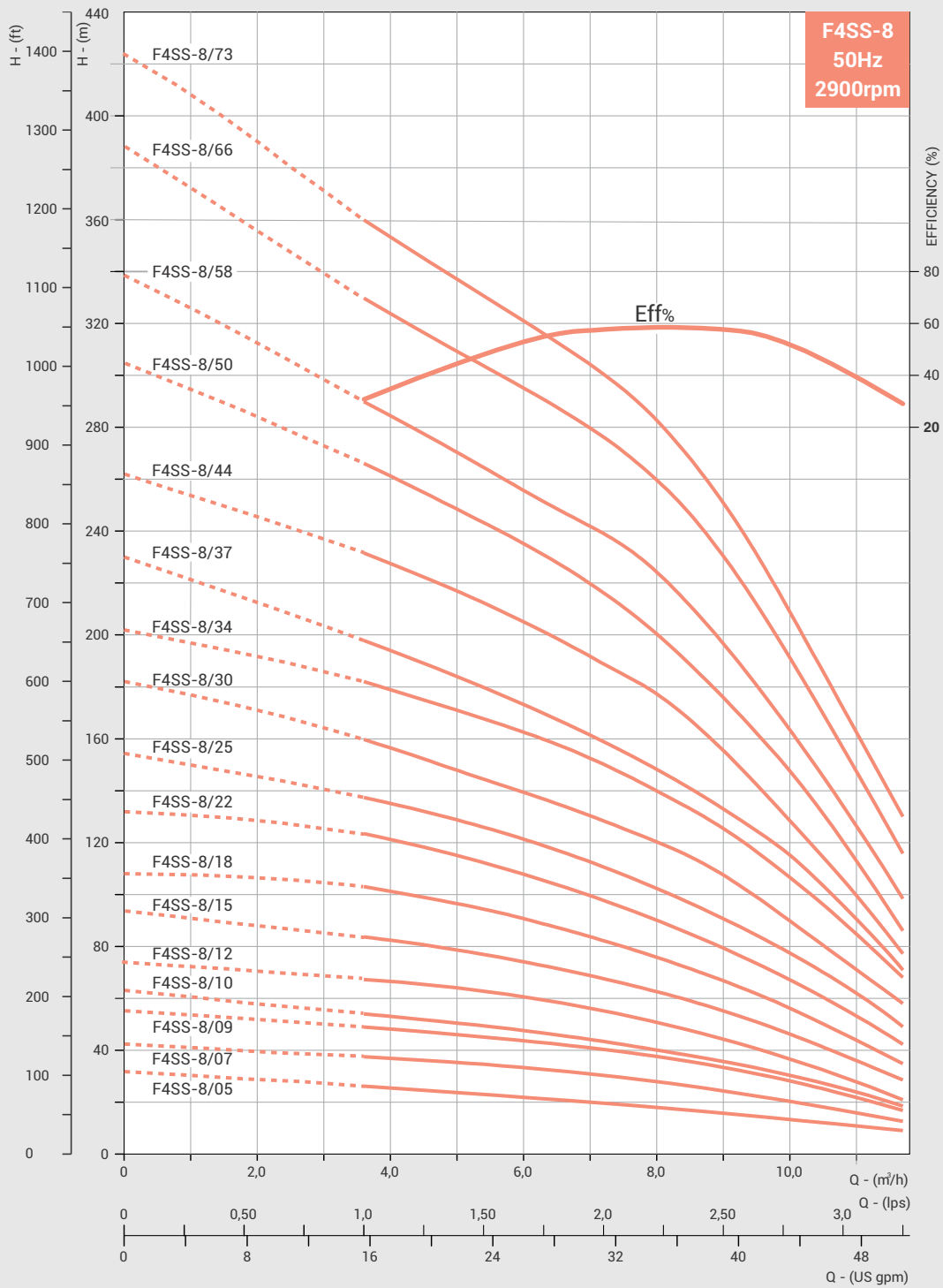
PUMP MODEL	MOTOR kW	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	lps	0	0,83	1,11	1,39	1,66	1,94	2,22	2,50	2,78	3,05
			m ³ /h	0	3,0	4,0	5,0	6,0	7,0	8,0	9,0	10,0	11,0
F4SS-8/05	0,75			32	27	25	23,5	22	20	18	16	13,5	11
F4SS-8/07	1,1			42	38,5	37	35,5	34	31,5	27	24,5	20	16
F4SS-8/09	1,5			55	50	48,5	46	44	41,5	37,5	33,5	28	22
F4SS-8/10	1,5			63	55	52	50	48	44	40	36	30	24
F4SS-8/12	2,2			74	68,5	67	64	61	56	51	44,5	37	27,5
F4SS-8/15	2,2			94	85,5	82,5	79	74,5	69	63	55	46,5	36
F4SS-8/18	3			108	104,5	101	96	91	84	76	66,5	56	44
F4SS-8/22	4			132	126	121	115	108	99	90	79	67	54
F4SS-8/25	4			155	141	136	129	121,5	112	102,5	91	78	62
F4SS-8/30	5,5			182	164	156	148	139	130	120	107	90	71
F4SS-8/34	5,5			202	185	179	171	162,5	153	140	126	107	85
F4SS-8/37	5,5			230	204	195	185	173	162	146	131	112	89
F4SS-8/44	7,5			262	237	228	217	205	191	177	156	129	100
F4SS-8/50	7,5			304	272	261	249	235	220	200	176	148	112
F4SS-8/58	9,3			339	300	284	270	255	241	225	198	162	127
F4SS-8/66	11			378	340	323	310	295	280	260	230	190	149
F4SS-8/73	11			422	370	352	338	320	305	282	250	209	161

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 4" STAINLESS STEEL SUBMERSIBLE PUMP



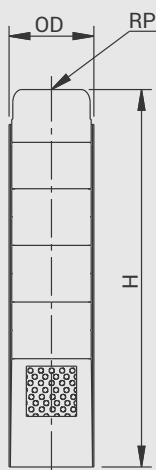
Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT - 4" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 4"

Nominal Flow : 14m³/h

Outlet Size : 2"



PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	OD	RP	H	
F4SS-14/05	1,5	2	97	50	573	6
F4SS-14/07	2,2	3	97	50	703	8
F4SS-14/09	3	4	97	50	833	9
F4SS-14/10	3	4	97	50	898	10
F4SS-14/11	3,7	5	97	50	963	10
F4SS-14/13	4	5,5	97	50	1093	12
F4SS-14/16	5,5	7,5	97	50	1288	14
F4SS-14/18	5,5	7,5	97	50	1418	16
F4SS-14/22	7,5	10	97	50	1678	19
F4SS-14/25	7,5	10	97	50	1873	21

PERFORMANCE TABLE

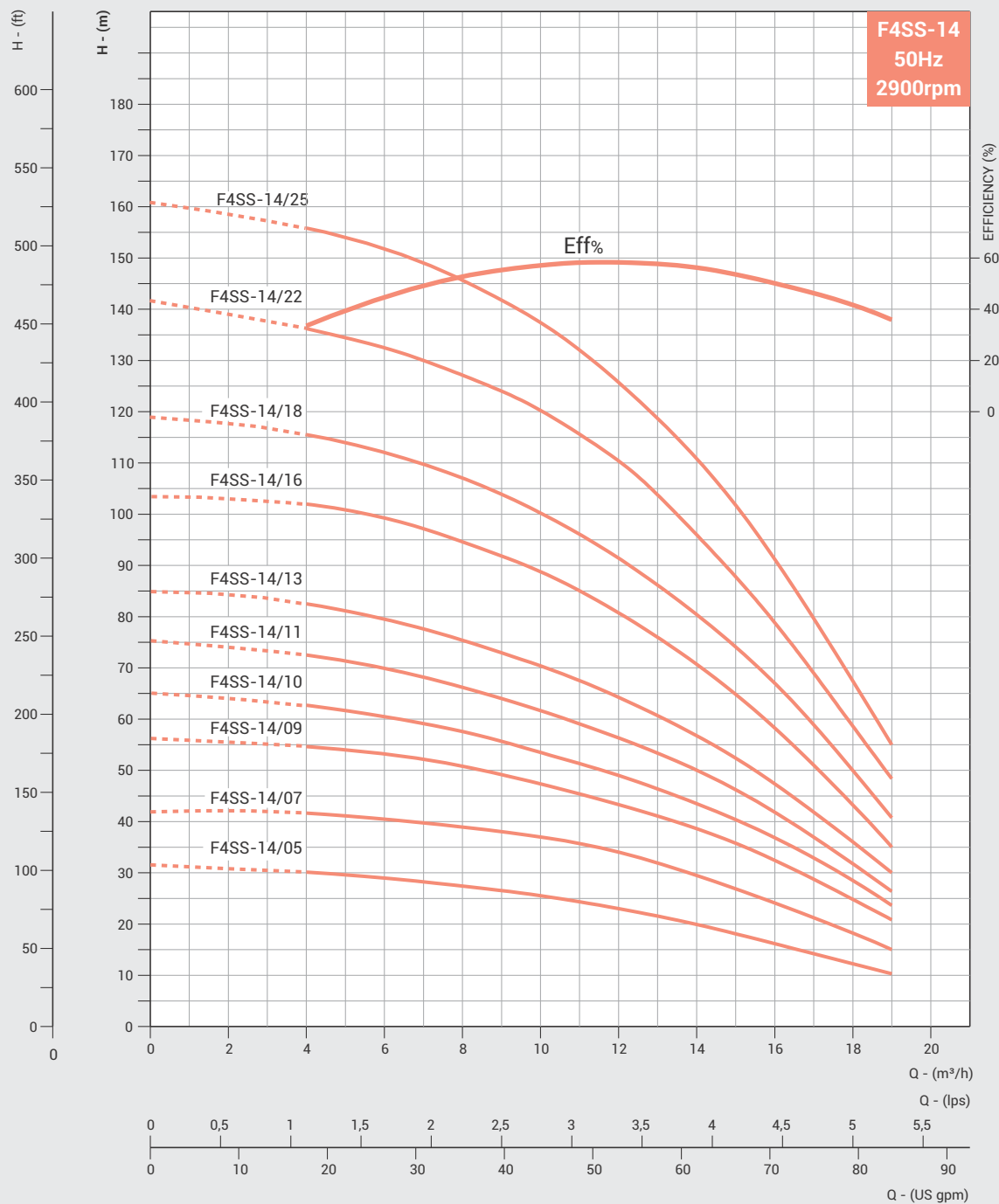
PUMP MODEL	MOTOR kW	lps	0	1,11	1,67	2,22	2,78	3,33	3,89	4,44	5,00
		m ³ /h	0	4	6	8	10	12	14	16	18
F4SS-14/05	1,5	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	31	30	29	28	26	23	20	16	12
F4SS-14/07	2,2		42	41	40	39	37	33	29	24	15
F4SS-14/09	3		56	55	53	51	47	43	38	32	25
F4SS-14/10	3		65	63	60	57	54	49	43	37	29
F4SS-14/11	3,7		75	72	70	66	62	56	50	42	32
F4SS-14/13	4		85	83	80	75	70	64	56	47	36
F4SS-14/16	5,5		104	102	99	95	89	81	71	59	44
F4SS-14/18	5,5		119	115	112	107	100	91	81	56	50
F4SS-14/22	7,5		141	136	132	127	120	111	96	78	58
F4SS-14/25	7,5		161	156	152	145	137	125	110	91	68

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 4" STAINLESS STEEL SUBMERSIBLE PUMP



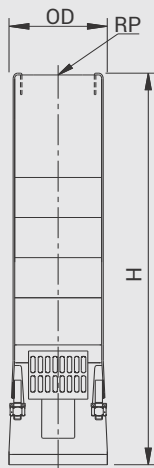
Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 14m³/h

Outlet Size : 2"/2½"



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-14/05	3	4	1	139	50/65	491	12
F6SS-14/06	3,5	4	1	139	50/65	530	12
F6SS-14/07	4,4	5	1	139	50/65	569	13
F6SS-14/08	4,75	5,5	1	139	50/65	608	14
F6SS-14/09	5,5	7,5	1	139	50/65	647	15
F6SS-14/10	5,75	7,5	1/2	139/143	50/65	686	16
F6SS-14/11	6,28	7,5	1/2	139/143	50/65	725	17
F6SS-14/12	6,8	10	1/2	139/143	50/65	764	18
F6SS-14/13	7,46	10	1/2	139/143	50/65	803	19
F6SS-14/14	8,23	10	1/2	139/143	50/65	842	20
F6SS-14/15	8,44	10	1/2	139/143	50/65	881	21
F6SS-14/16	8,93	12,5	1/2	139/143	50/65	920	22
F6SS-14/17	9,41	12,5	1/2	139/143	50/65	959	23
F6SS-14/18	9,94	12,5	1/2	139/143	50/65	998	24
F6SS-14/19	10,56	12,5	1/2	139/143	50/65	1037	25
F6SS-14/20	11,46	15	1/2	139/143	50/65	1076	25
F6SS-14/21	11,55	15	1/2	139/143	50/65	1115	26
F6SS-14/22	12,87	15	1/2	139/143	50/65	1154	27
F6SS-14/23	12,63	15	1/2	139/143	50/65	1193	28
F6SS-14/24	13,12	15	1/2	139/143	50/65	1232	29
F6SS-14/25	13,68	17,5	1/2	139/143	50/65	1271	30
F6SS-14/26	13,83	17,5	1/2	139/143	50/65	1310	31
F6SS-14/27	14,9	17,5	1/2	139/143	50/65	1349	32
F6SS-14/28	15	17,5	1/2	139/143	50/65	1388	33
F6SS-14/29	15,2	17,5	1/2	139/143	50/65	1427	34
F6SS-14/30	15,88	20	1/2	139/143	50/65	1466	35
F6SS-14/31	16,53	20	1/2	139/143	50/65	1505	36
F6SS-14/32	17,61	20	1/2	139/143	50/65	1544	36

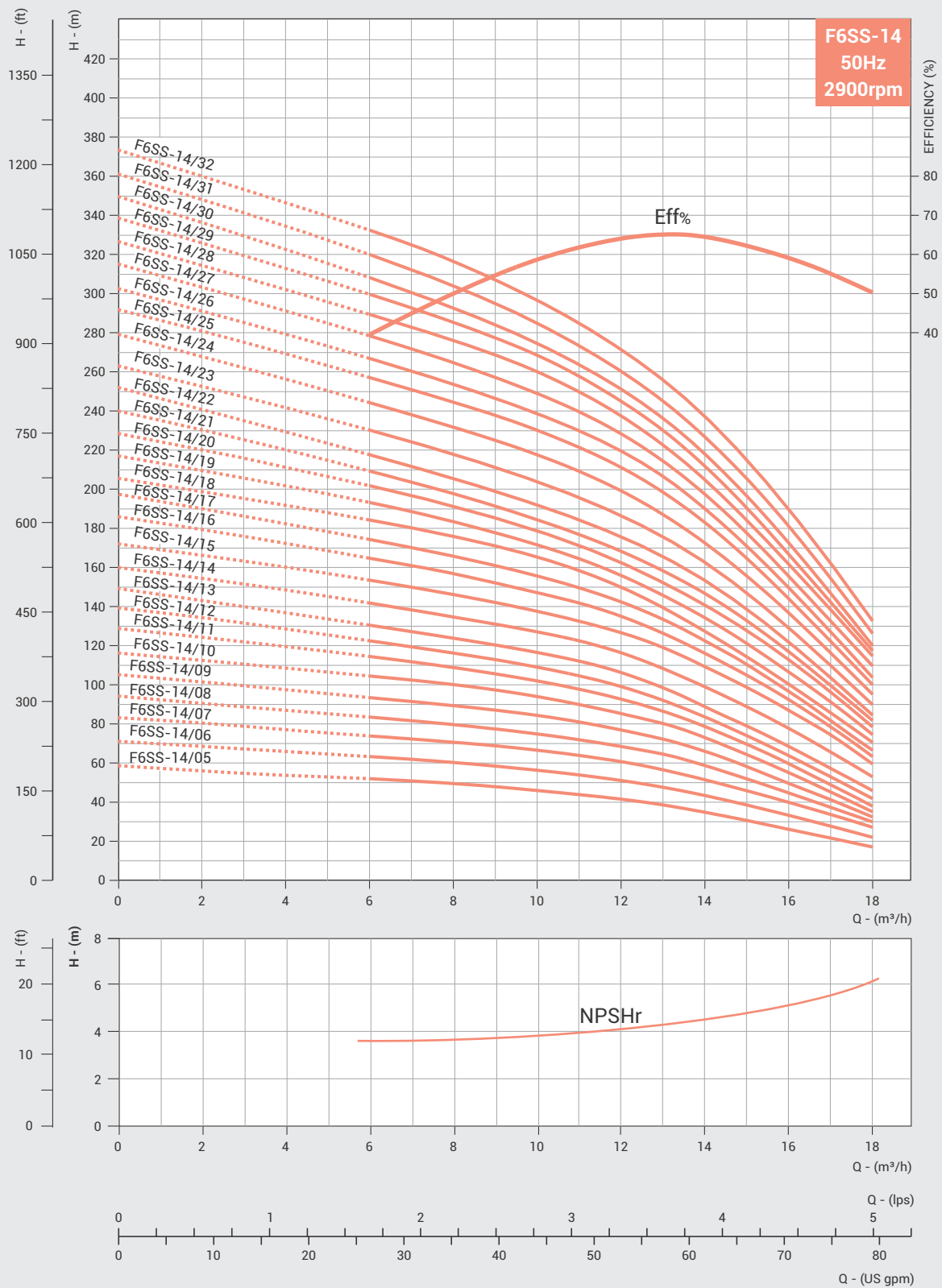
PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	1,66	2,22	2,78	3,33	3,89	4,44	5,00
		m ³ /h	0	6	8	10	12	14	16	18
F6SS-14/05	3	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	59	52	50	46	42	35	26	17
F6SS-14/06	3,5		70	64	60	56	52	44	33	22
F6SS-14/07	4,4		82	74	71	67	60	52	40	28
F6SS-14/08	4,75		94	84	80	75	68	59	45	31
F6SS-14/09	5,5		104	93	90	84	77	66	50	33
F6SS-14/10	5,75		118	104	100	94	85	72	56	36
F6SS-14/11	6,28		130	115	108	102	92	79	60	38
F6SS-14/12	6,8		140	123	116	109	99	84	64	42
F6SS-14/13	7,46		150	130	124	116	107	88	68	46
F6SS-14/14	8,23		160	142	135	127	116	99	78	53
F6SS-14/15	8,44		172	153	146	137	127	109	87	60
F6SS-14/16	8,93		184	164	156	147	135	116	92	64
F6SS-14/17	9,41		196	174	166	156	143	123	96	67
F6SS-14/18	9,94		204	184	176	166	150	128	100	71
F6SS-14/19	10,56		218	189	184	172	156	135	107	75
F6SS-14/20	11,46		228	202	191	179	163	140	112	79
F6SS-14/21	11,55		240	209	197	184	168	147	116	83
F6SS-14/22	12,87		254	219	205	192	176	153	121	90
F6SS-14/23	12,63		262	236	217	204	186	163	129	96
F6SS-14/24	13,12		280	244	232	217	199	172	136	96
F6SS-14/25	13,68		290	257	244	230	211	183	144	100
F6SS-14/26	13,83		302	267	254	239	220	190	150	104
F6SS-14/27	14,9		316	278	265	248	228	197	156	110
F6SS-14/28	15		324	290	276	260	237	204	161	116
F6SS-14/29	15,2		338	300	285	268	244	212	168	118
F6SS-14/30	15,88		350	308	292	275	252	218	172	120
F6SS-14/31	16,53		360	320	304	284	260	227	180	127
F6SS-14/32	17,61		374	332	316	296	272	236	189	132

** Optional outlet Size.

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP



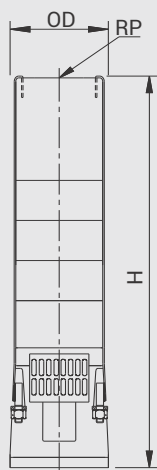
Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 14m³/h

Outlet Size : 2"/2½"*



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-14/33	17,62	20	1/2	139/143	50/65	1583	37
F6SS-14/34	18,22	25	1/2	139/143	50/65	1622	38
F6SS-14/35	18,44	25	1/2	139/143	50/65	1661	39
F6SS-14/36	19,55	25	1/2	139/143	50/65	1700	40
F6SS-14/37	20,27	25	1/2	139/143	50/65	1739	41
F6SS-14/38	21	25	1/2	139/143	50/65	1778	42
F6SS-14/39	18,5	25	1/2	139/143	50/65	1817	43
F6SS-14/40	18,5	25	1/2	139/143	50/65	1856	44
F6SS-14/41	18,5	25	1/2	139/143	50/65	1895	45
F6SS-14/42	18,5	25	1/2	139/143	50/65	1934	46
F6SS-14/43	22	30	1/2	139/143	50/65	1973	47
F6SS-14/44	22	30	1/2	139/143	50/65	2012	47
F6SS-14/45	22	30	1/2	139/143	50/65	2051	48
F6SS-14/46	22	30	1/2	139/143	50/65	2090	49
F6SS-14/47	22	30	1/2	139/143	50/65	2129	50
F6SS-14/48	22	30	1/2	139/143	50/65	2168	51
F6SS-14/49	22	30	1/2	139/143	50/65	2207	52
F6SS-14/50	22	30	1/2	139/143	50/65	2246	53
F6SS-14/54	26	35	1/2	139/143	65	2402	57
F6SS-14/64	45	60	1/2	139/143	65	2792	69
F6SS-14/65	45	60	1/2	139/143	65	2836	70

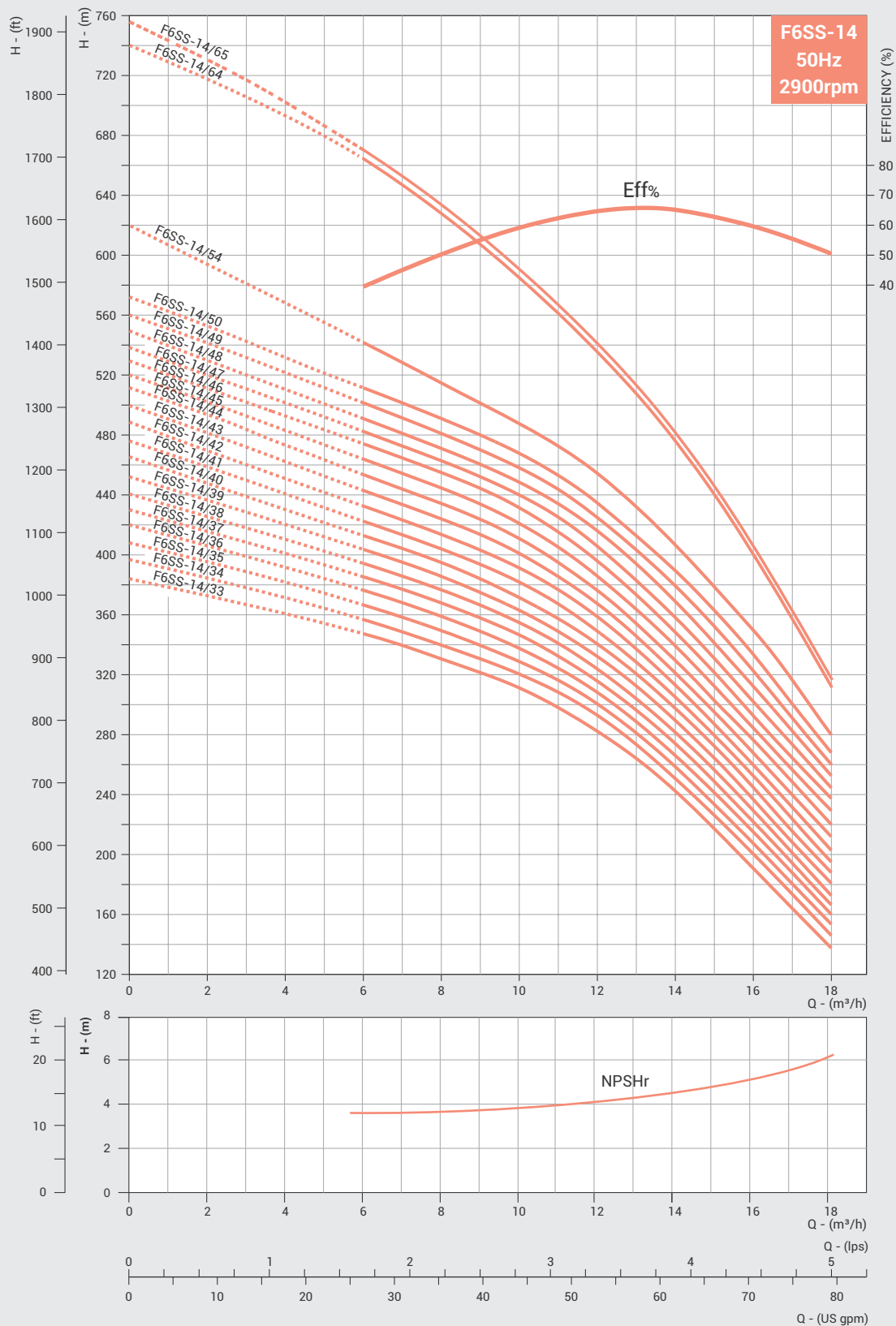
PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	1,66	2,22	2,78	3,33	3,89	4,44	5,00
		m ³ /h	0	6	8	10	12	14	16	18
F6SS-14/33	17,62	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	384	343	330	310	282	242	192	138
F6SS-14/34	18,22		396	356	340	320	292	251	200	145
F6SS-14/35	18,44		408	367	349	329	300	259	208	154
F6SS-14/36	19,55		420	376	359	337	308	267	216	160
F6SS-14/37	20,27		430	385	368	347	316	275	222	167
F6SS-14/38	21		440	395	376	355	324	281	229	172
F6SS-14/39	18,5		454	404	386	363	332	289	237	180
F6SS-14/40	18,5		464	412	395	372	340	298	244	188
F6SS-14/41	18,5		476	422	404	382	348	305	253	195
F6SS-14/42	18,5		488	432	413	391	359	313	260	203
F6SS-14/43	22		500	443	424	400	368	320	268	212
F6SS-14/44	22		510	453	434	411	376	329	276	220
F6SS-14/45	22		520	464	444	420	386	340	284	230
F6SS-14/46	22		528	474	455	432	396	348	292	238
F6SS-14/47	22		538	483	463	440	405	358	302	244
F6SS-14/48	22		550	491	471	448	416	368	312	252
F6SS-14/49	22		560	501	481	458	424	380	322	260
F6SS-14/50	22		566	512	491	468	435	389	333	268
F6SS-14/54	26		620	552	515	494	455	408	350	280
F6SS-14/64	45		740	665	628	585	535	476	400	312
F6SS-14/65	45		755	670	634	590	540	480	417	318

** Optional outlet Size.

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP



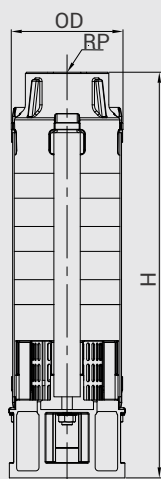
Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 17m³/h

Outlet Size : 2½"/3"*



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-17/1	0,55	1	1	134	65	342,0	7
F6SS-17/2	1,1	1,5	1	134	65	402,5	8
F6SS-17/3	2,2	3	1	134	65	463,0	9
F6SS-17/4	2,2	3	1	134	65	525,5	11
F6SS-17/5	3	4,5	1	134	65	584,0	12
F6SS-17/6	4	5,5	1	134	65	644,5	14
F6SS-17/7	4	7,5	1	134	65	705,0	15
F6SS-17/8	5,5	7,5	1	134	65	765,5	16
F6SS-17/9	5,5	7,5	1	134	65	826,0	18
F6SS-17/10	5,5	10	1	134	65	886,5	19
F6SS-17/11	7,5	10	1	134	65	947,0	20
F6SS-17/12	7,5	10	1	134	65	1007,5	22
F6SS-17/13	7,5	5,5	1	134	65	1068,0	23
F6SS-17/14	9,3	12,5	1/2	142/144	65	1128,5	26
F6SS-17/15	9,3	12,5	1/2	142/144	65	1189,0	27
F6SS-17/16	9,3	12,5	1/2	142/144	65	1249,5	29
F6SS-17/17	9,3	15	1/2	142/144	65	1310,0	30
F6SS-17/18	11	15	1/2	142/144	65	1370,5	32

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	1,1	1,66	2,78	3,89	4,27	5,55	7,22
			m ³ /h	4	6	10	14	17	20	22
F6SS-17/1	0,55	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	11	11	11	10	8	6	5	4
F6SS-17/2	1,1		22	22	21	19	17	14	11	9
F6SS-17/3	2,2		33	33	33	30	27	23	18	15
F6SS-17/4	2,2		43	43	43	40	35	30	24	18
F6SS-17/5	3		54	54	53	50	44	38	30	24
F6SS-17/6	4		66	65	64	60	53	47	37	30
F6SS-17/7	4		76	76	75	70	62	53	43	34
F6SS-17/8	5,5		87	87	86	81	72	62	50	41
F6SS-17/9	5,5		98	98	97	91	81	70	56	45
F6SS-17/10	5,5		108	108	107	101	88	77	61	49
F6SS-17/11	7,5		120	119	118	112	99	86	70	56
F6SS-17/12	7,5		130	129	128	121	108	93	75	60
F6SS-17/13	7,5		141	140	139	131	116	100	81	64
F6SS-17/14	9,3		152	152	150	142	126	110	88	71
F6SS-17/15	9,3		163	162	161	151	134	116	94	75
F6SS-17/16	9,3		173	173	171	161	143	123	99	79
F6SS-17/17	9,3		183	183	180	170	150	130	104	82
F6SS-17/18	11		196	194	193	182	162	140	113	92

** Optional outlet Size. d (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

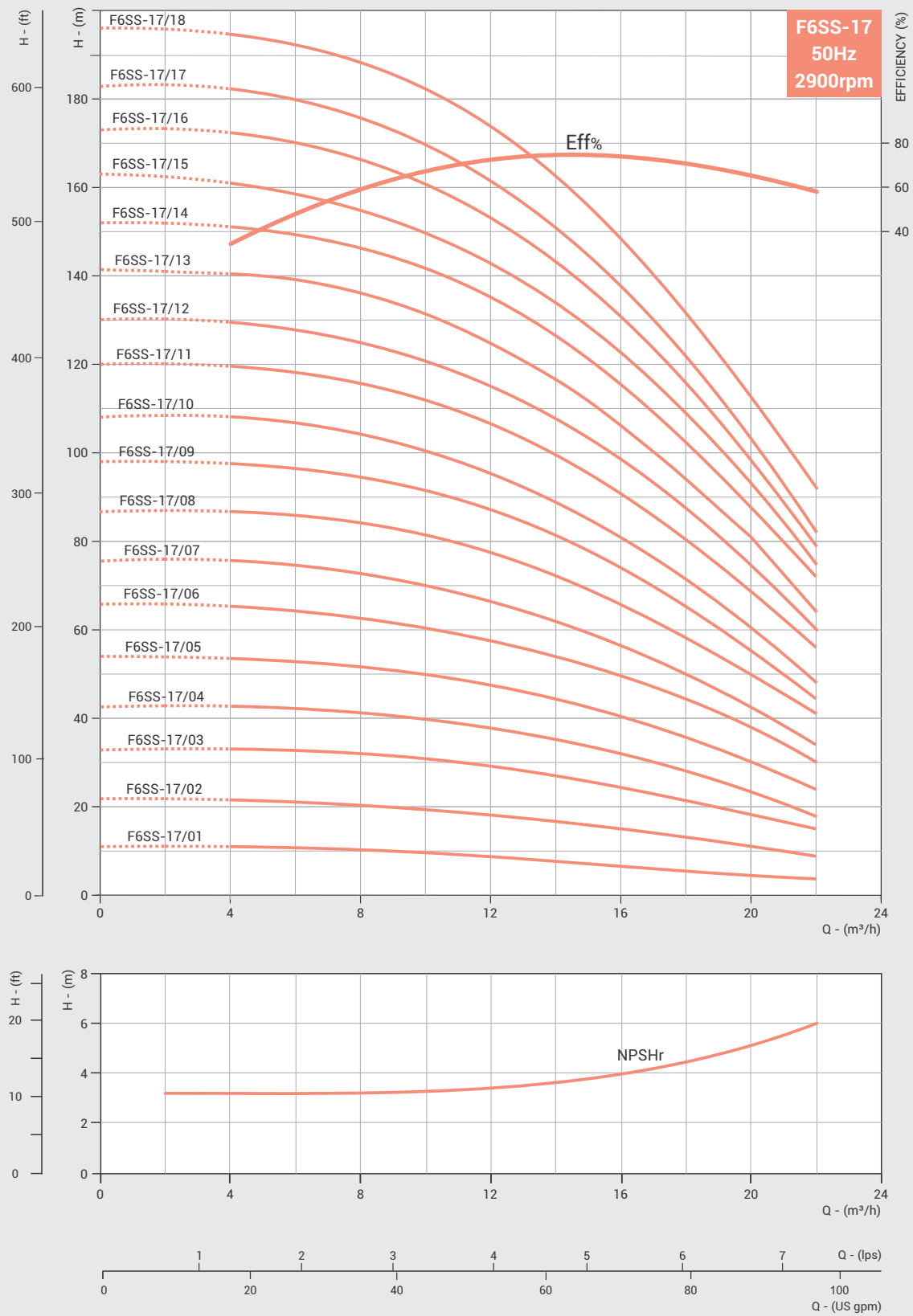
* 1 denotes Single Cable Guar

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will bereplaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP

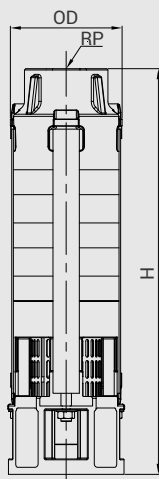


DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 17m³/h

Outlet Size : 2½"/3"***



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-17/19	11	15	1/2	142/144	65	1431,0	33
F6SS-17/20	11	17,5	1/2	142/144	65	1491,5	34
F6SS-17/21	13	17,5	1/2	142/144	65	1552,0	36
F6SS-17/22	13	17,5	1/2	142/144	65	1612,5	37
F6SS-17/23	13	17,5	1/2	142/144	65	1673,0	39
F6SS-17/24	13	20	1/2	142/144	65	1733,5	40
F6SS-17/25	15	20	1/2	142/144	65	1794,0	41
F6SS-17/26	15	20	1/2	142/144	65	1854,5	43
F6SS-17/27	15	25	1/2	142/144	65	1915,0	44
F6SS-17/28	18,5	25	1/2	142/144	65	1975,5	46
F6SS-17/29	18,5	25	1/2	142/144	65	2036,0	47
F6SS-17/30	18,5	25	1/2	142/144	65	2096,5	48
F6SS-17/31	18,5	25	1/2	142/144	65	2157,0	50
F6SS-17/32	18,5	25	1/2	142/144	65	2217,5	51
F6SS-17/33	18,5	30	1/2	142/144	65	2278,0	53
F6SS-17/34	22	30	1/2	142/144	65	2338,5	54
F6SS-17/35	22	30	1/2	142/144	65	2399,0	55
F6SS-17/36	22	30	1/2	142/144	65	2459,5	57
F6SS-17/37	22	30	1/2	142/144	65	2520,0	58
F6SS-17/38	22	30	1/2	142/144	65	2580,5	60
F6SS-17/39	22	30	1/2	142/144	65	2641,0	61
F6SS-17/40	22	30	1/2	142/144	65	2701,5	62

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	1,1	1,66	2,78	3,89	4,27	5,55	7,22
		m ³ /h	0	4	6	10	14	17	20	22
F6SS-17/19	11	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	206	204	203	192	169	146	143	94
F6SS-17/20	11		215	213	212	201	178	153	147	97
F6SS-17/21	13		229	227	224	213	189	165	157	107
F6SS-17/22	13		239	238	235	223	197	171	162	110
F6SS-17/23	13		249	248	244	233	205	178	167	113
F6SS-17/24	13		259	259	255	242	312	184	179	116
F6SS-17/25	15		272	271	269	253	224	195	184	126
F6SS-17/26	15		281	281	278	263	233	203	191	131
F6SS-17/27	15		292	291	288	272	242	208	196	134
F6SS-17/28	18,5		306	304	301	286	255	223	201	146
F6SS-17/29	18,5		316	314	311	295	263	230	206	148
F6SS-17/30	18,5		327	325	321	306	272	236	215	151
F6SS-17/31	18,5		338	335	332	314	280	243	220	157
F6SS-17/32	18,5		347	346	341	324	289	251	225	161
F6SS-17/33	18,5		358	356	352	334	296	257	233	166
F6SS-17/34	22		371	369	367	347	308	269	237	175
F6SS-17/35	22		380	378	377	357	317	274	243	178
F6SS-17/36	22		391	389	387	366	325	281	246	181
F6SS-17/37	22		401	399	396	374	339	288	117	185
F6SS-17/38	22		411	408	406	385	341	295	123	188
F6SS-17/39	22		422	419	416	393	349	301	133	191
F6SS-17/40	22		433	429	427	403	358	308	137	198

** Optional outlet Size.

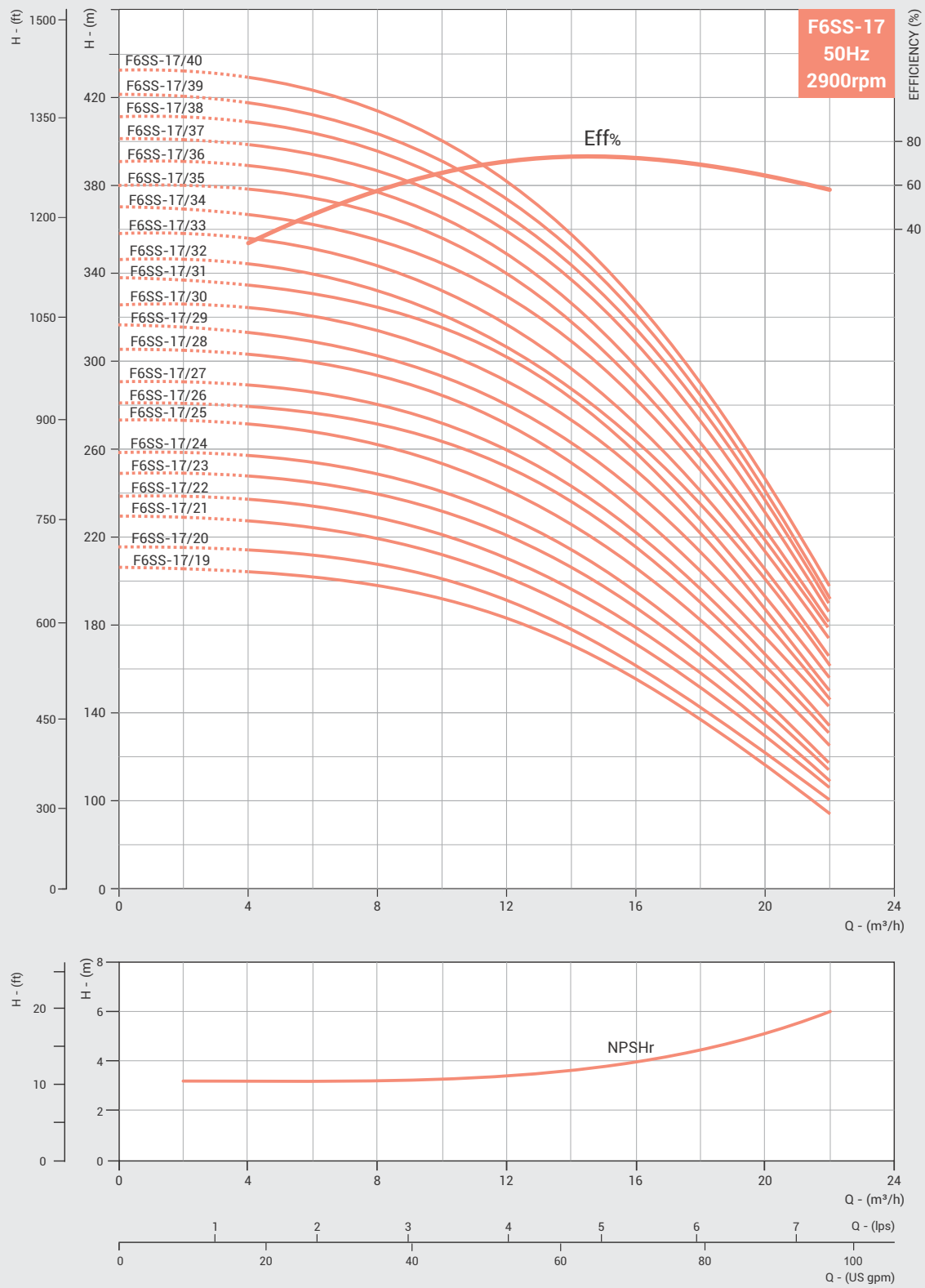
* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP

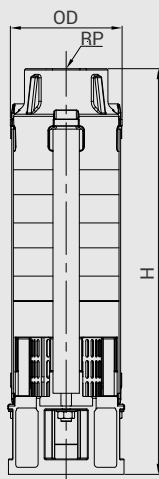


DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 17m³/h

Outlet Size : 2½"/3"*



PUMP MODEL	REQUIRED MOTOR POWER		+NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		#OD	RP	H	
F6SS-17/43	26	35	1/2	142/144	65	2883	66
F6SS-17/45	26	35	1/2	142/144	65	3004	70
F6SS-17/48	26	35	1/2	142/144	65	3186	75
F6SS-17/51	30	40	1/2	142/144	65	3367	81
F6SS-17/53	30	40	1/2	142/144	65	3488	85
F6SS-17/55	37	50	1/2	142/144	65	3609	90
F6SS-17/58	37	50	1/2	142/144	65	3791	96
F6SS-17/60	37	50	1/2	142/144	65	3912	101

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	0,55	1,66	2,78	3,89	4,27	5,55	7,22
			m³/h	0	4	6	10	14	17	20
F6SS-17/43	26	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	467	495	461	437	388	338	272	217
F6SS-17/45	26		487	485	481	456	405	349	281	226
F6SS-17/48	26		518	516	511	484	427	369	298	238
F6SS-17/51	30		551	547	543	514	456	398	320	256
F6SS-17/53	30		570	568	563	534	474	408	330	263
F6SS-17/55	37		599	587	592	563	502	437	358	289
F6SS-17/58	37		631	629	622	592	527	458	362	302
F6SS-17/60	37		651	649	640	611	544	474	386	313

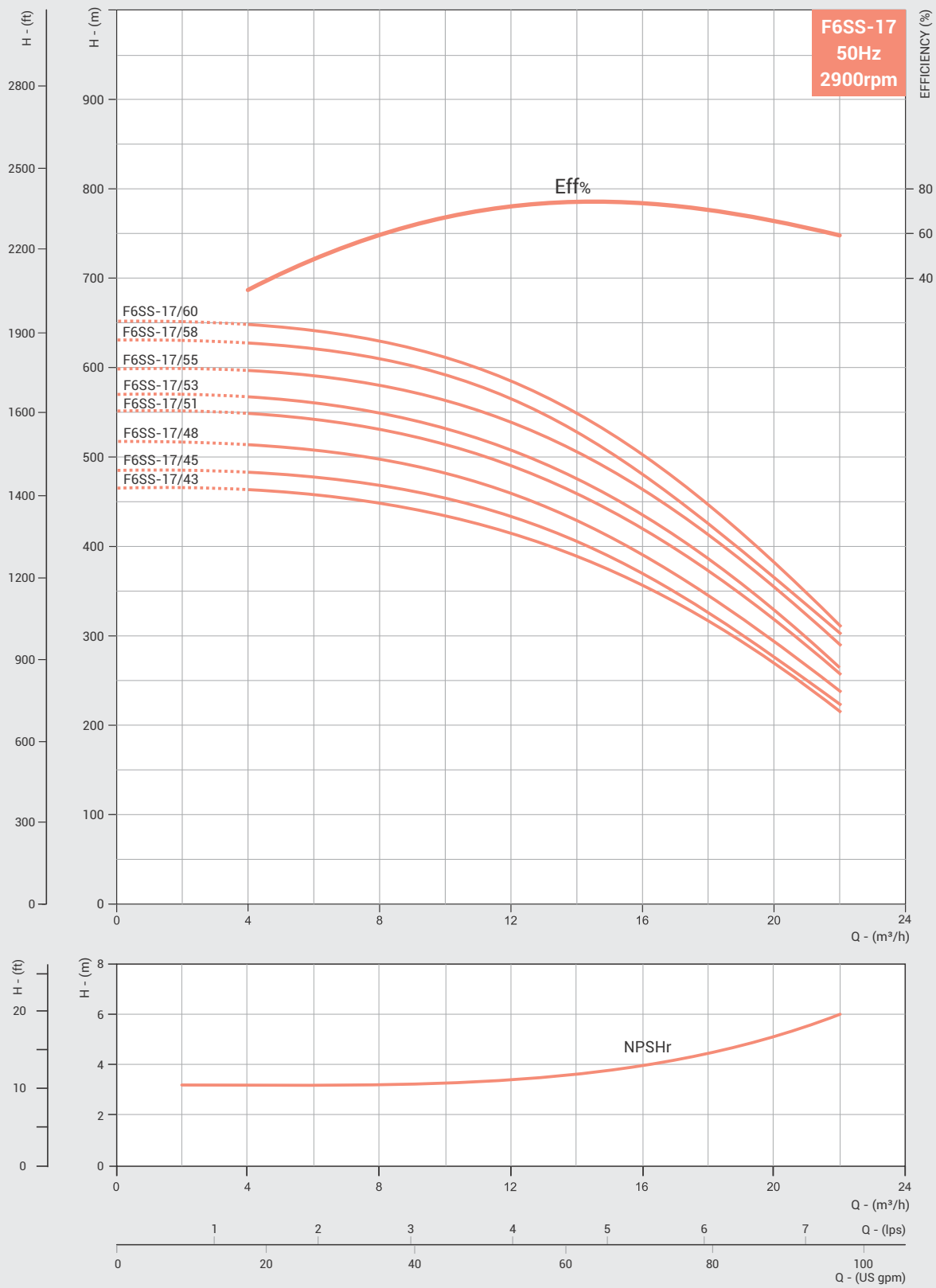
** Optional outlet Size.

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP

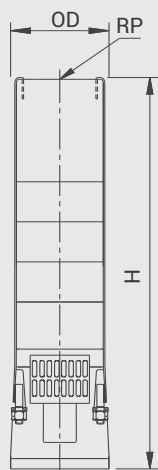


DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 18m³/h

Outlet Size : 2½"



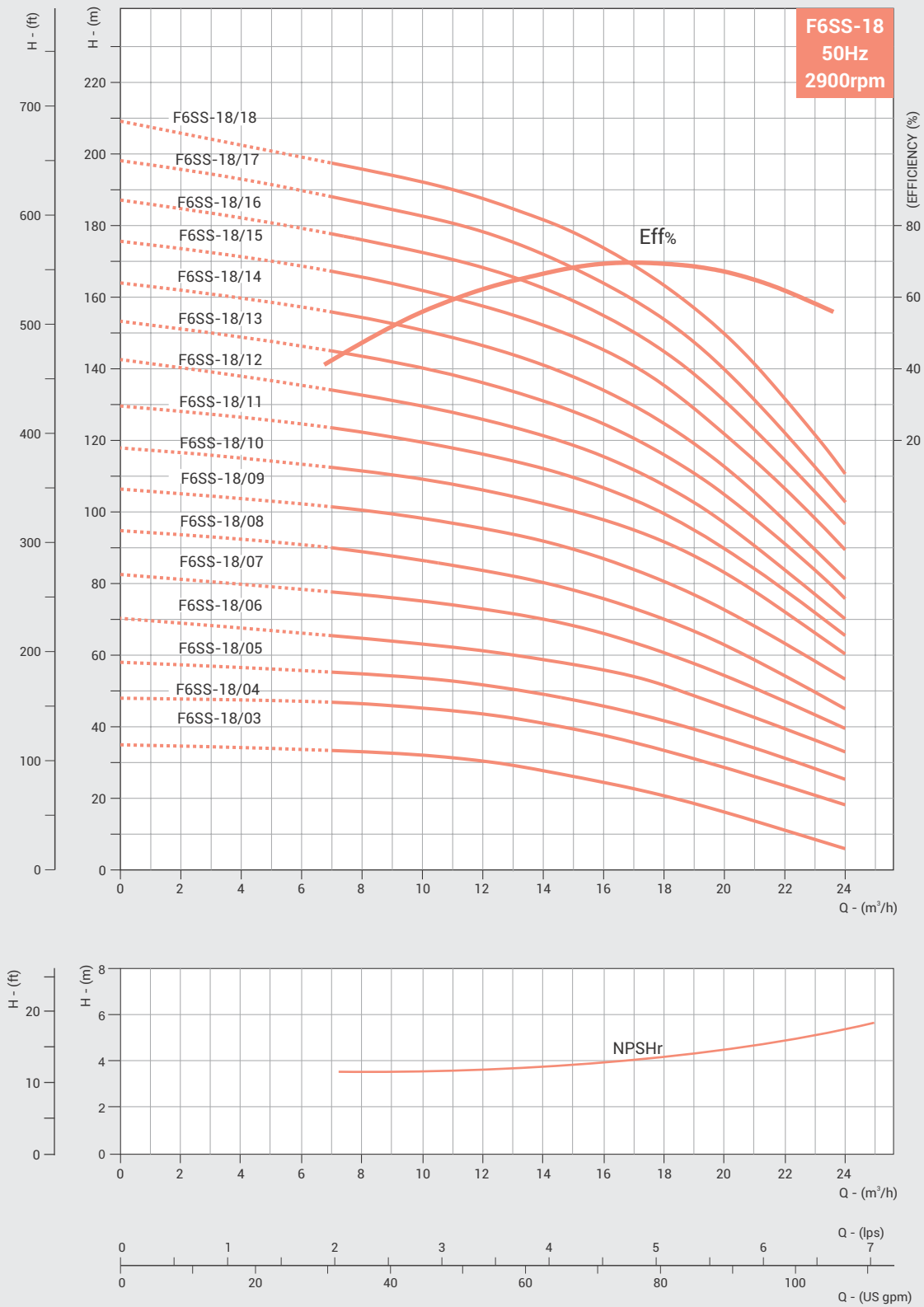
PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-18/03	2,2	3	1	139	65	427	10
F6SS-18/04	3	4	1	139	65	471	11
F6SS-18/05	4	5,5	1	139	65	515	12
F6SS-18/06	5,5	5,5	1	139	65	559	13
F6SS-18/07	5,5	7,5	1	139	65	603	14
F6SS-18/08	5,5	7,5	1/2	139/143	65	647	15
F6SS-18/09	7,5	10	1/2	139/143	65	691	16
F6SS-18/10	7,5	10	1/2	139/143	65	735	17
F6SS-18/11	9,3	12,5	1/2	139/143	65	779	18
F6SS-18/12	9,3	12,5	1/2	139/143	65	823	19
F6SS-18/13	9,3	12,5	1/2	139/143	65	867	20
F6SS-18/14	9,3	12,5	1/2	139/143	65	911	21
F6SS-18/15	11	15	1/2	139/143	65	955	22
F6SS-18/16	11	15	1/2	139/143	65	999	23
F6SS-18/17	13	17,5	1/2	139/143	65	1043	24
F6SS-18/18	13	17,5	1/2	139/143	65	1087	25

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	1,66	2,22	2,78	3,33	3,89	4,44	5,00	5,56	6,11	6,67
		m ³ /h	0	6	8	10	12	14	16	18	20	22	24
F6SS-18/03	2,2	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	35	37,5	33	32	30	18	25	20	16	11	6
F6SS-18/04	3		48	47	46	45	44	41	38	33,5	29	24	18
F6SS-18/05	4,1		58	56	55	54	52	49	46	42	37	31	25,5
F6SS-18/06	5,5		70	66	65	63	61	59	56	52	46	40	33
F6SS-18/07	5,5		82	78	77	75	73	70	66	61	54	47	40
F6SS-18/08	5,5		95	91	89	86	84	80	76	70	63	54	45
F6SS-18/09	7,5		106	102	100	98	96	92	87	80	72,5	63	54
F6SS-18/10	7,5		118	103	111,5	109	106	102	98	92	83	72	60
F6SS-18/11	9,3		130	125	122	119	116	112	107	100	90	78	66
F6SS-18/12	9,3		142	135,5	133	130	126	122	116	108	97	84	70
F6SS-18/13	9,3		152	146	144	140	136	131	124	116	105	91	76
F6SS-18/14	9,3		164	157	154	151	146,5	141	134	124	112	98	82
F6SS-18/15	11		175	169	166	162	158	152	145,5	136	122	106	90
F6SS-18/16	11		188	179	176	172	168	162	155	145	131	104	97
F6SS-18/17	13		198	190	186	183	178	172	164	154	140	122	103
F6SS-18/18	13		209	199	196	192	188	182	174	164	150	132	111

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP

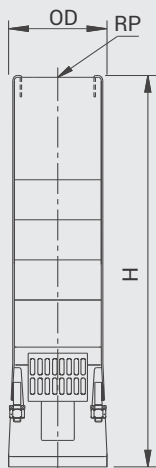


DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 18m³/h

Outlet Size : 2½"



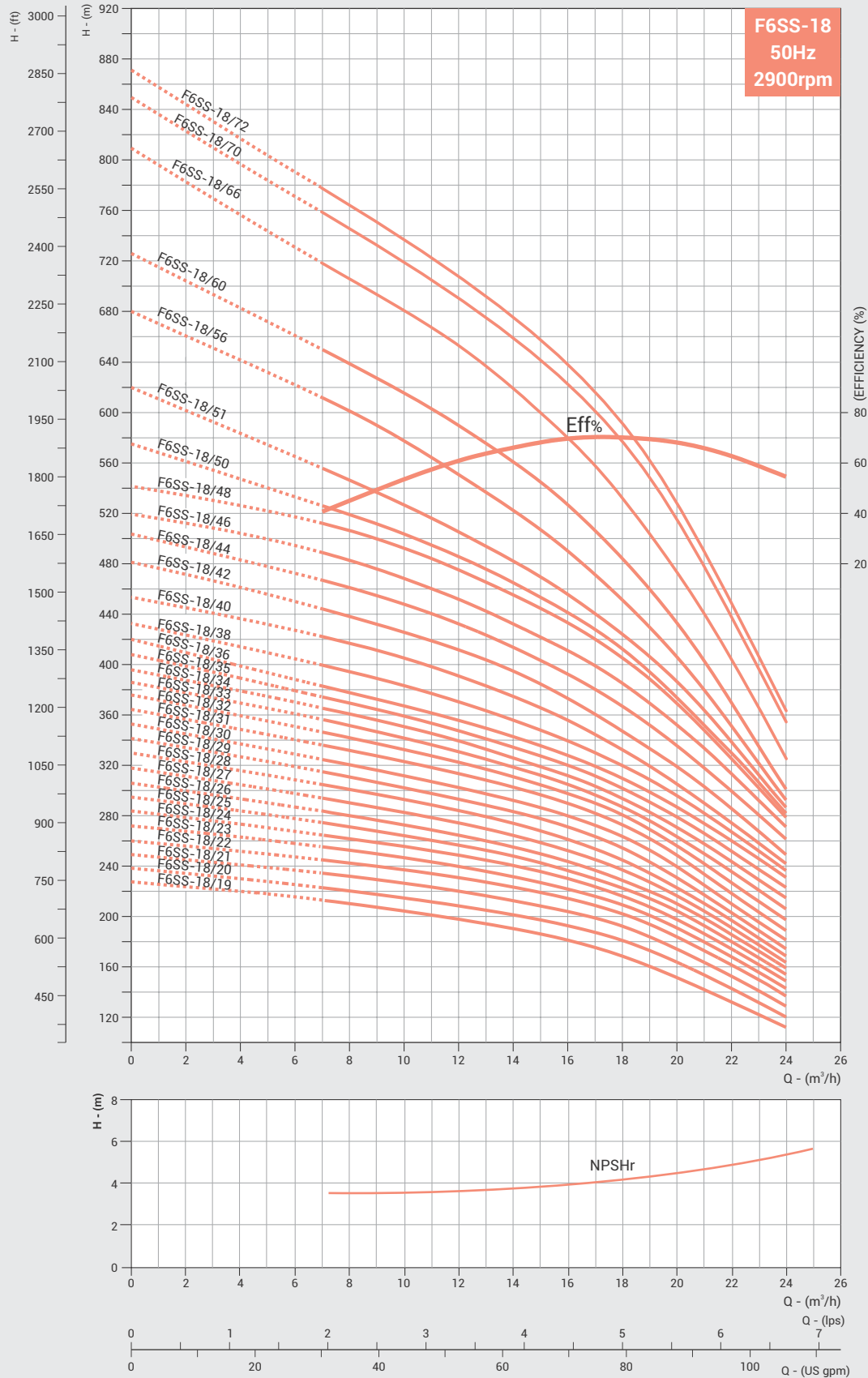
PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-18/19	13	17,5	1/2	139/143	65	1131	26
F6SS-18/20	15	20	1/2	139/143	65	1175	27
F6SS-18/21	15	20	1/2	139/143	65	1219	28
F6SS-18/22	15	20	1/2	139/143	65	1263	29
F6SS-18/23	18,5	25	1/2	139/143	65	1307	30
F6SS-18/24	18,5	25	1/2	139/143	65	1351	31
F6SS-18/25	18,5	25	1/2	139/143	65	1395	32
F6SS-18/26	18,5	25	1/2	139/143	65	1439	33
F6SS-18/27	18,5	25	1/2	139/143	65	1483	33
F6SS-18/28	18,5	25	1/2	139/143	65	1527	34
F6SS-18/29	18,5	25	1/2	139/143	65	1571	35
F6SS-18/30	18,5	25	1/2	139/143	65	1615	36
F6SS-18/31	22	30	1/2	139/143	65	1659	37
F6SS-18/32	22	30	1/2	139/143	65	1703	38
F6SS-18/33	26	35	1/2	139/143	65	1747	39
F6SS-18/34	26	35	1/2	139/143	65	1791	40
F6SS-18/35	26	35	1/2	139/143	65	1835	41
F6SS-18/36	26	35	1/2	139/143	65	1879	42
F6SS-18/38	26	35	1/2	139/143	65	1967	44
F6SS-18/40	30	40	1/2	139/143	65	2055	46
F6SS-18/42	30	40	1/2	139/143	65	2143	48
F6SS-18/44	30	40	1/2	139/143	65	2231	50
F6SS-18/46	30	40	1/2	139/143	65	2319	52
F6SS-18/48	37	50	1/2	139/143	65	2407	54
F6SS-18/50	37	50	1/2	139/143	65	2570	61
F6SS-18/51	37	50	1/2	139/143	65	2539	58
F6SS-18/56	45	60	1/2	139/143	65	2803	63
F6SS-18/60	45	60	1/2	139/143	65	2979	68
F6SS-18/66	45	60	1/2	139/143	65	3243	76
F6SS-18/70	45	60	1/2	139/143	65	3440	80
F6SS-18/72	45	60	1/2	139/143	65	3540	83

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	1,66	2,22	2,78	3,33	3,89	4,44	5,00	5,56	6,11	6,67
		m ³ /h	0	6	8	10	12	14	16	18	20	22	24
F6SS-18/19	13	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	226	216	210	204	198	190	180	168	152	133	113
F6SS-18/20	15		238	225	220	215	208	201	192	180	164	144	120
F6SS-18/21	15		250	236	232	227	220	212	204	192	174	152	129
F6SS-18/22	15		260	248	242	237	232	224	215	202	184	162	137
F6SS-18/23	18,5		274	258	252	247	240	232	222	209	191	168	143
F6SS-18/24	18,5		284	264	262	256	248	240	230	216	197	175	149
F6SS-18/25	18,5		296	278	271	264	256	248	236	223	204	180	154
F6SS-18/26	18,5		304	287	280	272	264	256	244	228	210	185	159
F6SS-18/27	18,5		316	298	290	283	274	264	252	237	216	191	164
F6SS-18/28	22		330	308	301	292	284	274	261	244	223	197	168
F6SS-18/29	18,5		340	319	311	302	292	284	272	255	231	204	175
F6SS-18/30	18,5		354	337	329	312	303	292	280	264	240	210	182
F6SS-18/31	22		364	348	340	323	313	303	290	272	248	219	188
F6SS-18/32	22		376	360	351	332	323	312	298	280	256	227	198
F6SS-18/33	26		384	370	361	342	331	320	305	287	264	236	207
F6SS-18/34	26		396	379	370	351	340	326	312	294	271	244	215
F6SS-18/35	26		408	389	379	359	348	336	320	302	279	252	223
F6SS-18/36	26		420	399	388	368	356	343	328	309	287	260	231
F6SS-18/38	26		432	404	392	384	370	356	340	320	296	268	236
F6SS-18/40	30		453	427	416	405	391	375	356	332	305	274	244
F6SS-18/42	30		481	450	438	425	412	395	370	348	320	286	249
F6SS-18/44	30		504	472	460	448	432	413	392	367	336	300	262
F6SS-18/46	30		520	495	482	468	452	432	411	386	352	312	272
F6SS-18/48	37		541	517	506	492	475	456	433	405	368	324	279
F6SS-18/50	37		575	533	519	503	485	465	441	412	376	330	282
F6SS-18/51	37		620	567	547	525	506	482	457	426	387	340	287
F6SS-18/56	45		680	623	601	577	552	523	490	452	406	353	293
F6SS-18/60	45		726	662	639	614	590	560	527	485	434	373	301
F6SS-18/66	45		809	730	705	678	652	615	578	525	472	398	325
F6SS-18/70	45		830	770	745	720	690	660	620	578	513	438	355
F6SS-18/72	45		870	790	764	738	708	675	638	590	528	448	363

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6" Nominal Flow : 18m³/h Outlet Size : 2½"

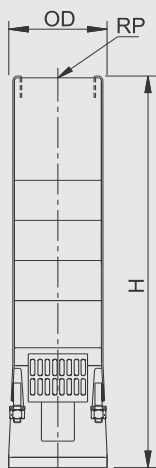


DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 22m³/h

Outlet Size : 2½"/3"***



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-22/05	4	5	1	139	65/80	531	12
F6SS-22/06	5,5	6	1	139	65/80	578	13
F6SS-22/07	7,5	7,5	1/2	139/143	65/80	625	14
F6SS-22/08	7,5	7,5	1/2	139/143	65/80	672	15
F6SS-22/09	9,3	10	1/2	139/143	65/80	719	16
F6SS-22/10	9,3	10	1/2	139/143	65/80	766	17
F6SS-22/11	9,3	12,5	1/2	139/143	65/80	813	18
F6SS-22/12	11	12,5	1/2	139/143	65/80	860	19
F6SS-22/13	11	15	1/2	139/143	65/80	907	20
F6SS-22/14	13	15	1/2	139/143	65/80	954	21
F6SS-22/15	13	15	1/2	139/143	65/80	1001	22
F6SS-22/16	13	17,5	1/2	139/143	65/80	1048	23
F6SS-22/17	13	17,5	1/2	139/143	65/80	1095	24
F6SS-22/18	15	17,5	1/2	139/143	65/80	1142	25
F6SS-22/19	15	20	1/2	139/143	65/80	1189	26
F6SS-22/20	18,5	20	1/2	139/143	65/80	1236	27
F6SS-22/21	18,5	20	1/2	139/143	65/80	1283	28
F6SS-22/22	18,5	25	1/2	139/143	65/80	1330	28
F6SS-22/23	18,5	25	1/2	139/143	65/80	1377	29
F6SS-22/24	22	25	1/2	139/143	65/80	1424	30
F6SS-22/25	22	25	1/2	139/143	65/80	1471	31
F6SS-22/26	22	30	1/2	139/143	65/80	1518	32
F6SS-22/28	26	30	1/2	139/143	65/80	1612	34

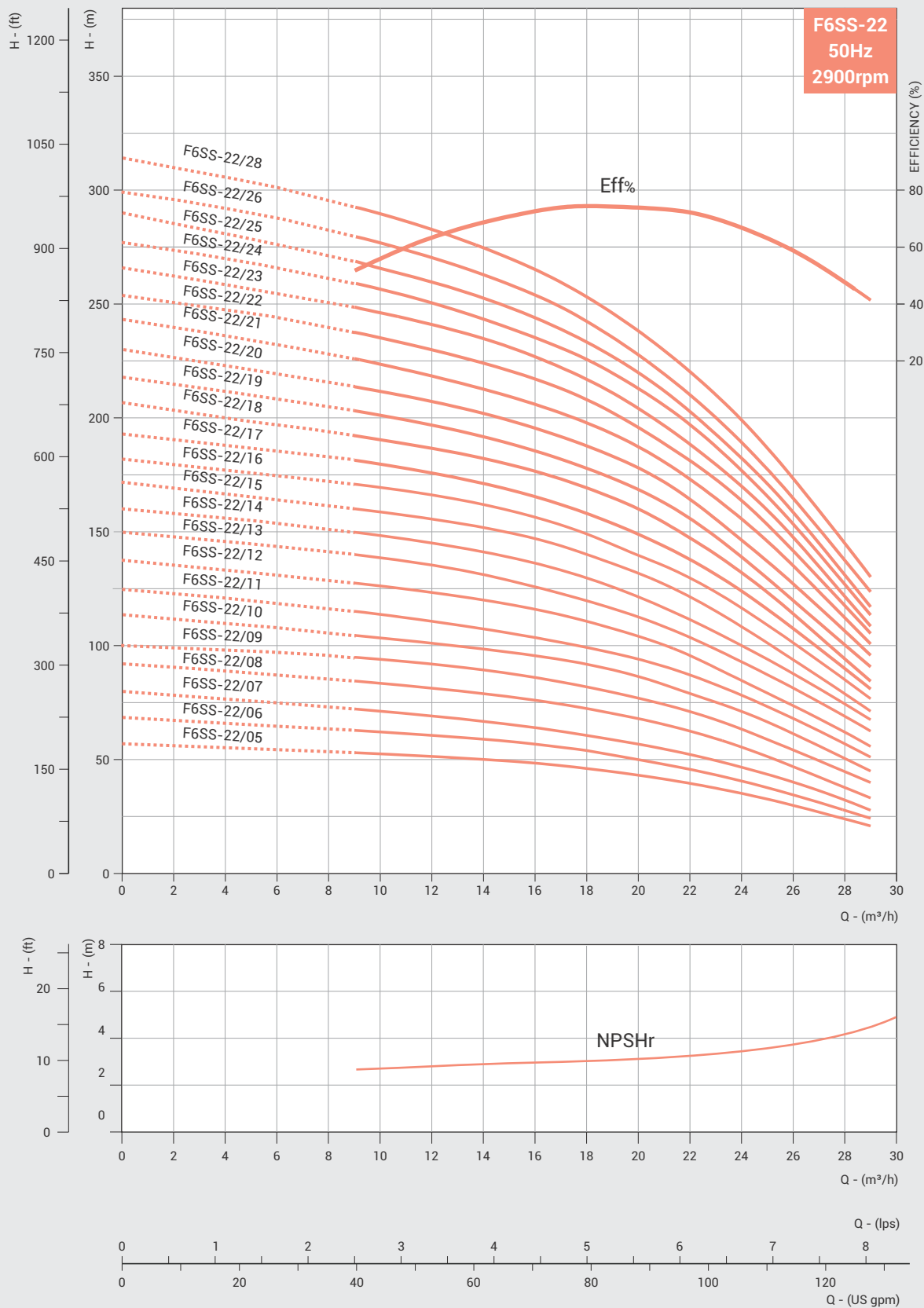
PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	2,77	3,3	3,89	4,44	5	5,55	6,11	6,67	7,22	7,77
		m ³ /h	0	10	12	14	16	18	20	22	24	26	28
F6SS-22/05	4	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	57	52	50	49	48	46	43	40	35	30	24
F6SS-22/06	5,5		69	62	60	58	56	54	49	45	41	35	27
F6SS-22/07	7,5		80	71	69	66	64	60	57	52	47	40	32
F6SS-22/08	7,5		92	84	81	78	76	72	68	62	55	47	38
F6SS-22/09	9,3		100	94	91	89	86	82	77	71	64	55	45
F6SS-22/10	9,3		114	104	101	98	95	92	86	79	71	61	50
F6SS-22/11	9,3		125	114	110	107	104	100	95	87	78	68	57
F6SS-22/12	11		137	126	123	120	116	110	105	95	85	74	62
F6SS-22/13	11		150	139	135	131	125	120	113	104	94	81	69
F6SS-22/14	13		160	148	145	141	136	130	121	111	100	88	75
F6SS-22/15	13		171	159	155	152	147	140	131	121	109	95	80
F6SS-22/16	13		182	169	166	162	156	150	140	130	116	101	85
F6SS-22/17	13		192	180	175	171	165	158	149	138	125	108	90
F6SS-22/18	15		207	190	186	182	176	170	160	147	132	115	95
F6SS-22/19	15		218	201	196	192	185	178	169	155	140	120	100
F6SS-22/20	18,5		230	212	207	202	195	188	178	165	146	126	106
F6SS-22/21	18,5		243	224	219	213	205	198	187	174	155	135	112
F6SS-22/22	18,5		254	235	230	224	217	208	195	181	164	142	117
F6SS-22/23	18,5		265	246	241	235	226	217	205	189	170	147	121
F6SS-22/24	22		277	256	250	244	235	225	214	197	177	154	127
F6SS-22/25	22		290	265	260	253	244	234	220	203	183	159	131
F6SS-22/26	22		299	277	270	263	254	242	228	210	190	165	137
F6SS-22/28	26		314	290	284	275	265	254	238	220	199	174	144

*** Optional outlet Size.

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP

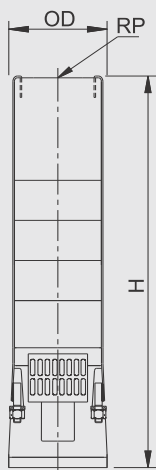


DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 22m³/h

Outlet Size : 2½"/3"***



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-22/30	26	30	1/2	139/143	65/80	1706	36
F6SS-22/32	26	30	1/2	139/143	65/80	1800	38
F6SS-22/34	26	35	1/2	139/143	65/80	1894	40
F6SS-22/36	30	35	1/2	139/143	65/80	1988	42
F6SS-22/38	30	40	1/2	139/143	65/80	2082	44
F6SS-22/40	37	40	1/2	139/143	65/80	2176	46
F6SS-22/42	37	40	1/2	139/143	65/80	2270	48
F6SS-22/44	37	50	1/2	139/143	65/80	2364	50
F6SS-22/46	37	50	1/2	139/143	65/80	2458	52
F6SS-22/50	45	50	1/2	139/143	65/80	2646	56
F6SS-22/60	45	75	1/2	139/143	65	3136	67
F6SS-22/65	55	75	1/2	139/143	65	3381	72
F6SS-22/72	55	75	1/2	139/143	80	3760	79

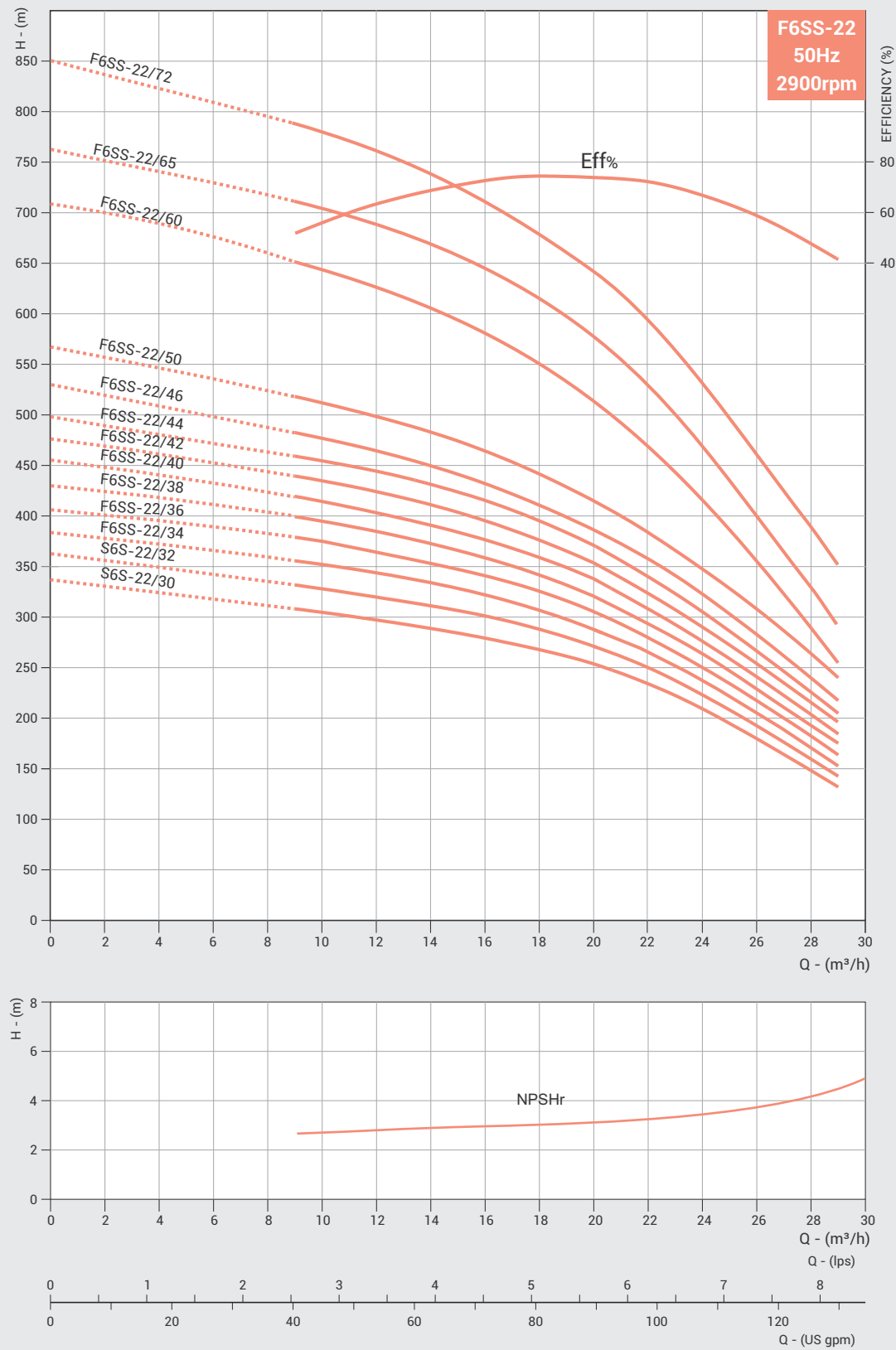
PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	2.77	3.3	3.89	4.44	5	5.55	6.11	6.67	7.22	7.77
		m ³ /h	0	10	12	14	16	18	20	22	24	26	28
F6SS-22/30	26	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	338	305	298	290	280	269	253	234	210	180	149
F6SS-22/32	26		362	329	320	310	300	289	270	250	222	192	160
F6SS-22/34	26		382	351	344	333	321	308	289	267	238	205	170
F6SS-22/36	30		406	375	364	352	340	326	305	280	250	218	181
F6SS-22/38	30		430	395	385	372	360	341	320	293	263	230	192
F6SS-22/40	37		455	414	402	390	378	360	339	309	277	240	203
F6SS-22/42	37		476	434	423	410	397	378	352	323	290	253	216
F6SS-22/44	37		498	454	444	430	415	397	370	340	305	268	228
F6SS-22/46	37		535	482	470	458	440	419	390	359	322	280	240
F6SS-22/50	45		568	511	499	482	454	440	415	383	349	309	263
F6SS-22/60	45		714	650	630	606	581	552	518	472	416	358	290
F6SS-22/65	55		762	708	690	668	645	618	583	538	480	411	330
F6SS-22/72	55		850	790	765	740	710	680	642	595	535	465	390

** Optional outlet Size.

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP

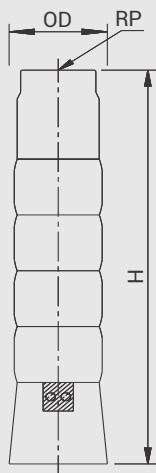


DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 30m³/h

Outlet Size : 3"



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-30/01	1,5	2	1	136	80	386	8
F6SS-30/02	2,2	3	1	136	80	482	10
F6SS-30/03	3	4	1	136	80	578	12
F6SS-30/04	4	5,5	1	136	80	674	14
F6SS-30/05	5,5	7,5	1/2	136/140	80	770	16
F6SS-30/06	5,5	7,5	1/2	136/140	80	866	17
F6SS-30/07	7,5	10	1/2	136/140	80	962	19
F6SS-30/08	7,5	10	1/2	136/140	80	1058	21
F6SS-30/09	9,3	12,5	1/2	136/140	80	1154	23
F6SS-30/10	9,3	12,5	1/2	136/140	80	1250	25
F6SS-30/11	9,3	12,5	1/2	136/140	80	1346	27
F6SS-30/12	11	15	1/2	136/140	80	1442	29

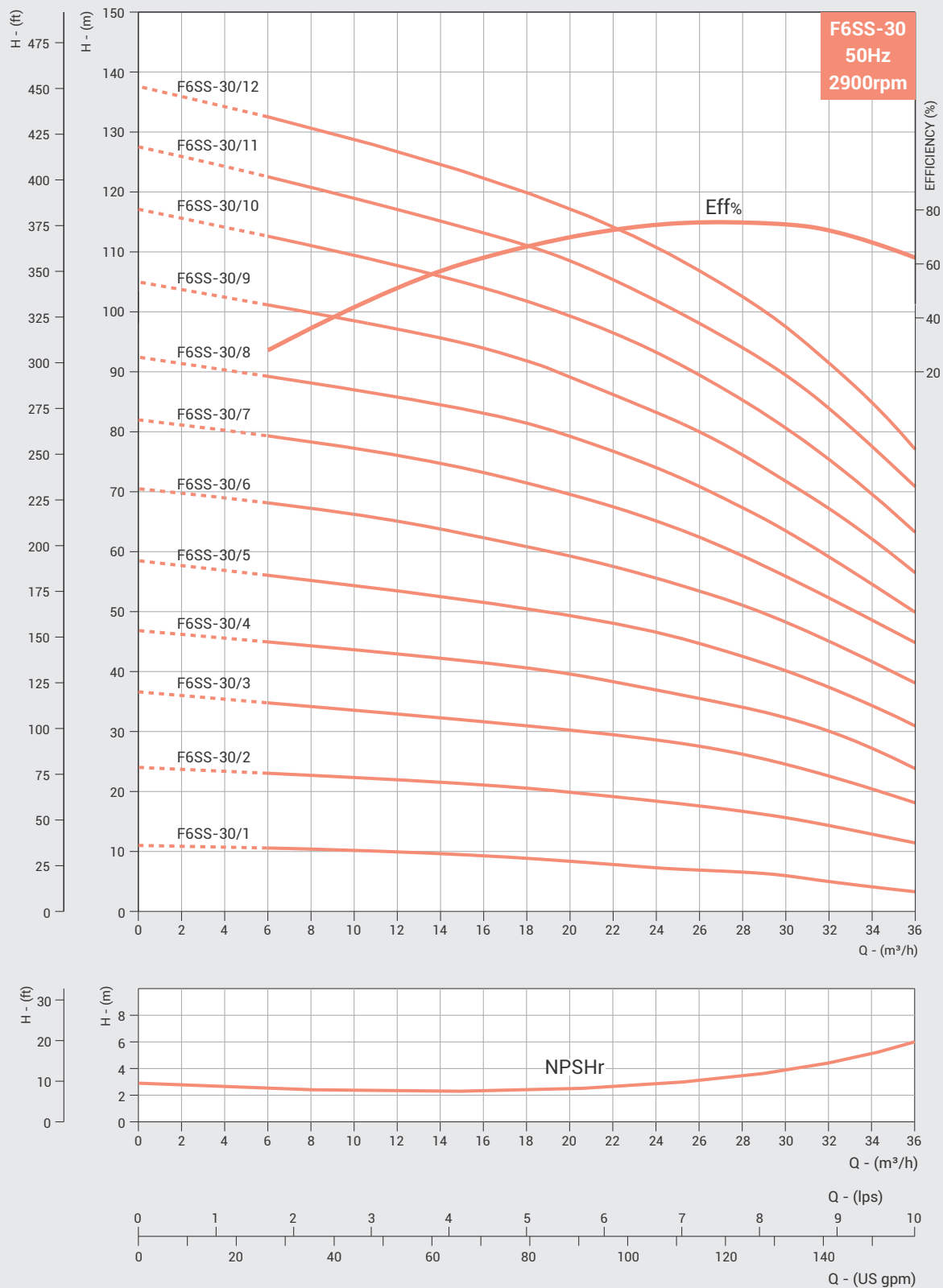
PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	2.22	3.33	4.44	5.55	6.60	7.22	8.33	8.90	9.40	10
		m ³ /h	0	8	12	16	20	24	26	30	32	34	36
F6SS-30/01	1,5	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	11	10,5	10	9	8	7	6,5	6	5	4	3,5
F6SS-30/02	2,2		24	22,8	22	21	20	18,5	17,9	15,9	14	13	11
F6SS-30/03	3		36,5	34	33	31,8	30	28,5	27,8	24,5	22,8	20,5	18
F6SS-30/04	4		47	44	43	41,8	39,8	37	35,8	32,5	30	27	24
F6SS-30/05	5,5		58,5	55	53,8	51,8	49	46,5	45	40	37	34	31
F6SS-30/06	5,5		70,5	67	65	62	59	55,8	53,5	48	45	42	38
F6SS-30/07	7,5		82	78	76	73	69	65	62	56	52	48,5	45
F6SS-30/08	7,5		92,5	88	86	83	79	74	71	63,5	59	54,5	50
F6SS-30/09	9,3		105	100	97	94	89	83	80	72	67	62	57
F6SS-30/10	9,3		117	111	108	104	99	93	89,5	81	75,5	70	63
F6SS-30/11	9,3		127	121	117	113	108,5	102	98	89,5	84	78	71
F6SS-30/12	11		137	131	127	122,5	117	111	107	98	91,5	85	77

** Optional outlet Size.

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP

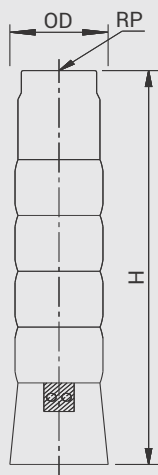


DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 30m³/h

Outlet Size : 3"



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-30/13	11	15	1/2	136/140	80	1538	30
F6SS-30/14	13	17,5	1/2	136/140	80	1634	33
F6SS-30/15	13	17,5	1/2	136/140	80	1730	34
F6SS-30/16	15	20	1/2	136/140	80	1826	36
F6SS-30/17	15	20	1/2	136/140	80	1922	38
F6SS-30/18	18,5	25	1/2	136/140	80	2018	40
F6SS-30/19	18,5	25	1/2	136/140	80	2114	42
F6SS-30/20	18,5	25	1/2	136/140	80	2210	44
F6SS-30/21	18,5	25	1/2	136/140	80	2306	46
F6SS-30/22	22	30	1/2	136/140	80	2402	48
F6SS-30/23	22	30	1/2	136/140	80	2498	49
F6SS-30/24	22	30	1/2	136/140	80	2594	51
F6SS-30/25	22	30	1/2	136/140	80	2690	53
F6SS-30/26	22	30	1/2	136/140	80	2786	55
F6SS-30/27	26	35	1/2	136/140	80	2882	57
F6SS-30/28	26	35	1/2	136/140	80	2978	59

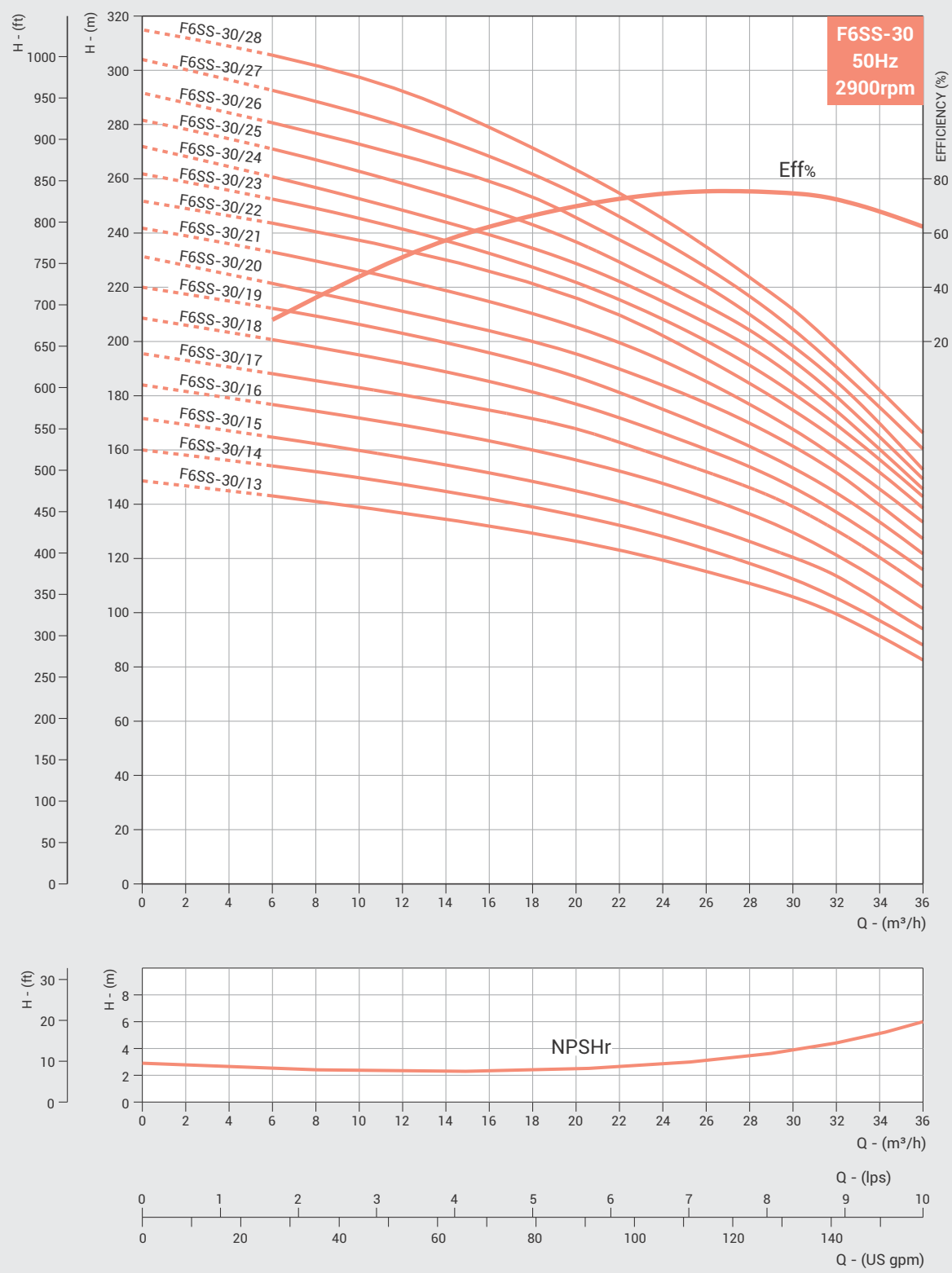
PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	2.22	3.33	4.44	5.55	6.60	7.22	8.33	8.90	9.40	10
		m ³ /h	0	8	12	16	20	24	26	30	32	34	36
F6SS-30/13	11	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	148	142	137	132	127	119	115	106	100	92	83
F6SS-30/14	13		160	152	148	142	136	128	124	112	105	97	88
F6SS-30/15	13		172	163	157	152	145	136	132	120	114	104	94
F6SS-30/16	15		184	175	169	164	156	148	143	130	121	112	102
F6SS-30/17	15		196	186	180	174	168	158	152	139	130	120	110
F6SS-30/18	18.5		208	198	192	185	177	166	160	146	137	127	116
F6SS-30/19	18.5		220	210	203	196	187	175	168	154	144	134	122
F6SS-30/20	18.5		232	218	211	204	196	184	177	162	152	140	128
F6SS-30/21	18.5		242	230	223	215	206	193	185	168	157	146	134
F6SS-30/22	22		252	240	234	226	216	202	194	175	164	152	139
F6SS-30/23	22		262	249	242	232	222	208	200	180	169	156	143
F6SS-30/24	22		272	257	248	240	228	215	207	188	175	160	146
F6SS-30/25	22		282	267	258	248	236	222	213	193	180	165	150
F6SS-30/26	22		292	277	268	259	246	230	220	199	185	170	154
F6SS-30/27	26		304	288	280	268	254	237	228	204	191	176	160
F6SS-30/28	26		315	302	292	279	264	246	235	212	198	182	166

Refer General Information for performance curve conditions and for other details.

Curve tolerance according to ISO : 9906, Grade - 3B

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP



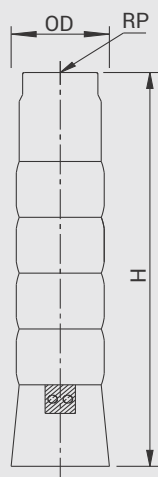
Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 30m³/h

Outlet Size : 3"



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-30/29	26	35	1/2	136/140	80	3074	61
F6SS-30/31	26	35	1/2	136/140	80	3266	65
F6SS-30/32	30	40	1/2	136/140	80	3362	67
F6SS-30/34	30	40	1/2	136/140	80	3554	70
F6SS-30/35	30	40	1/2	136/140	80	3650	72
F6SS-30/38	37	50	1/2	136/140	80	3938	78
F6SS-30/40	37	50	1/2	136/140	80	4130	82
F6SS-30/43	37	50	1/2	136/140	80	4418	87
F6SS-30/46	45	60	1/2	136/140	80	4706	93
F6SS-30/49	45	60	1/2	136/140	80	4994	98
F6SS-30/52	55	75	1/2	136/140	80	5282	106
F6SS-30/54	55	75	1/2	136/140	80	5474	112
F6SS-30/72	55	75	1/2	136/140	80	7299	150

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	2,22	3,33	4,44	5,55	6,60	7,22	8,33	8,90	9,40	10
		m ³ /h	0	8	12	16	20	24	26	30	32	34	36
F6SS-30/29	26	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	330	323	307	287	270	250	240	214	198	183	175
F6SS-30/31	26		356	343	328	312	293	273	262	233	215	200	190
F6SS-30/32	30		366	355	338	322	304	283	272	245	225	207	200
F6SS-30/34	30		388	375	357	340	320	298	286	255	234	210	207
F6SS-30/35	30		400	387	370	350	331	307	293	263	244	222	217
F6SS-30/38	37		420	417	405	385	363	336	320	290	263	247	232
F6SS-30/40	37		446	437	423	401	382	357	341	304	280	260	245
F6SS-30/43	37		489	477	453	430	412	381	365	326	300	276	261
F6SS-30/46	45		535	515	492	467	445	415	397	352	323	300	286
F6SS-30/49	45		568	550	527	501	477	447	430	384	352	325	308
F6SS-30/52	55		600	587	562	535	507	473	455	409	375	346	327
F6SS-30/54	55		620	607	581	553	525	492	474	426	390	360	338
F6SS-30/72	55		870	793	778	739	705	658	608	583	548	500	459

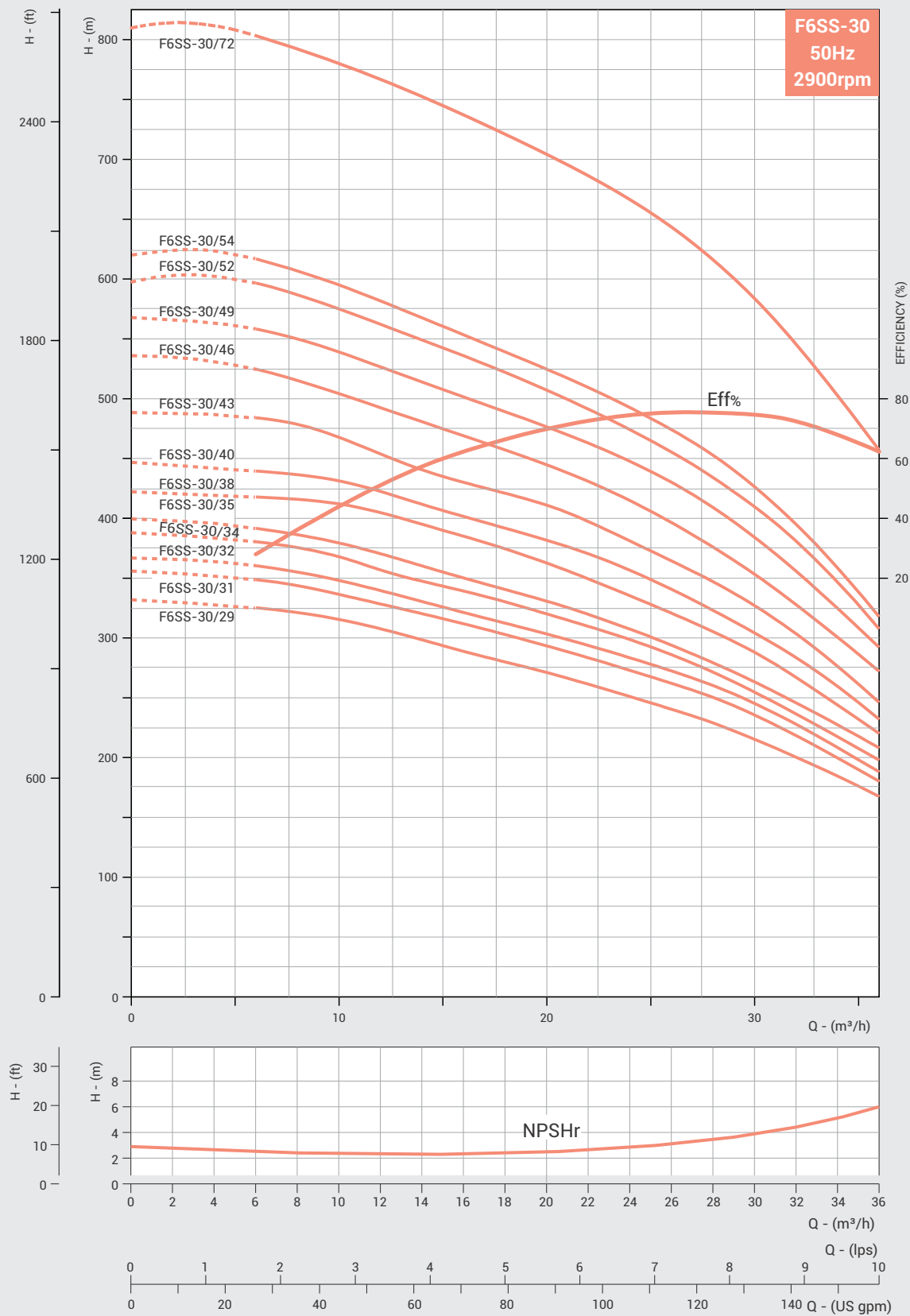
* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP



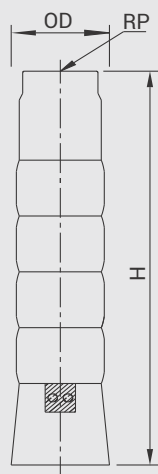
Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 48m³/h

Outlet Size : 3"/4"***



PUMP MODEL	REQUIRED MOTOR POWER		+NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		#OD	RP	H	
F6SS-48/01	2,2	3	1	145	80/100	403	9
F6SS-48/02	3	4	1	145	80/100	516	11
F6SS-48/03	5,5	7,5	1/2	145/149	80/100	629	13
F6SS-48/04	7,5	10	1/2	145/149	80/100	742	16
F6SS-48/05	7,5	10	1/2	145/149	80/100	855	18
F6SS-48/06	9,3	12,5	1/2	145/149	80/100	968	20
F6SS-48/07	11	15	1/2	145/149	80/100	1081	22
F6SS-48/08	13	17,5	1/2	145/149	80/100	1194	25
F6SS-48/09	15	20	1/2	145/149	80/100	1307	27
F6SS-48/10	15	20	1/2	145/149	80/100	1420	29
F6SS-48/11	18,5	25	1/2	145/149	80/100	1533	32
F6SS-48/12	18,5	25	1/2	145/149	80/100	1646	34
F6SS-48/13	22	30	1/2	145/149	80/100	1759	36

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	2,78	5,56	8,34	11,12	12,2	13,4	13,9	15,6	16,68
		m ³ /h	0	10	20	30	40	44	48	50	56	60
F6SS-48/01	2,2	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	13,5	13	12	10,5	9	8	7	6,8	5	3,8
F6SS-48/02	3		26,8	25,5	23,5	21	18	16,5	15	14	11	8,5
F6SS-48/03	5,5		40,8	39	36	32,5	28,5	26	24	23	18	14,5
F6SS-48/04	7,5		54,2	52	48,2	43,8	38	35,5	32	30,8	24	20
F6SS-48/05	7,5		67	64	59,5	53,8	47	44	40	37,8	30	24
F6SS-48/06	9,3		80,5	77	71,5	65	56,5	52	48	45,5	36	29,8
F6SS-48/07	11		94	90	84	75,8	66,2	62	56	53,5	42,5	35
F6SS-48/08	13		108	103	96	87,3	76,5	71	65	61,8	50	41
F6SS-48/09	15		121	116	108	98,2	86,2	80	74	69,8	56	46
F6SS-48/10	15		134	128	119	108	95	88	80	76	61	51
F6SS-48/11	18,5		148	142	133	120	105,5	98,5	90	85,8	68	56
F6SS-48/12	18,5		161	154	144	130	114	106	98	92,2	74	62
F6SS-48/13	22		176	168	157,5	143,5	125,8	117,5	108	102	82	67,5

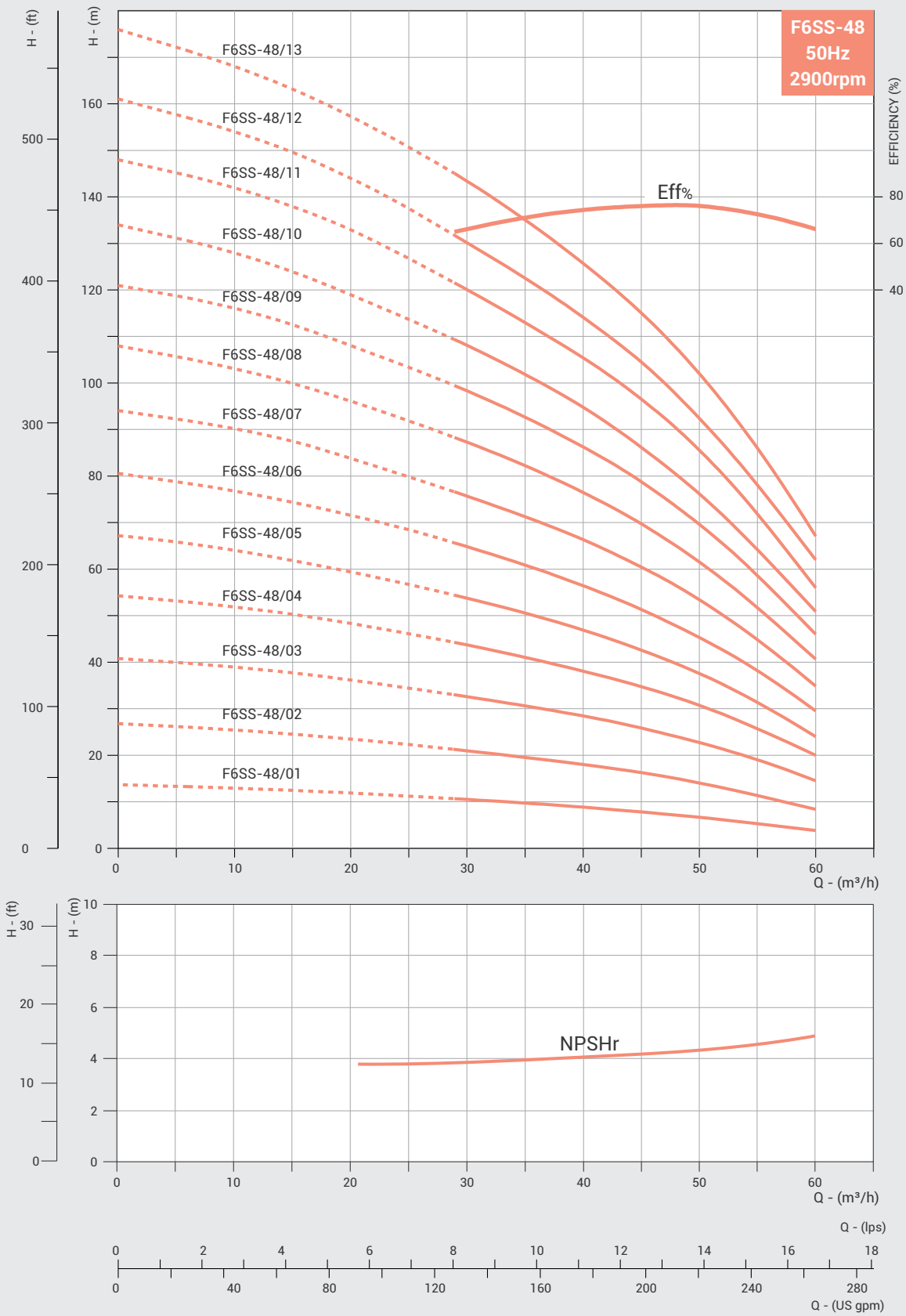
* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP

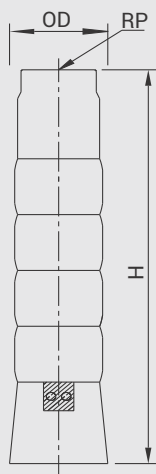


DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 48m³/h

Outlet Size : 3"/4"***



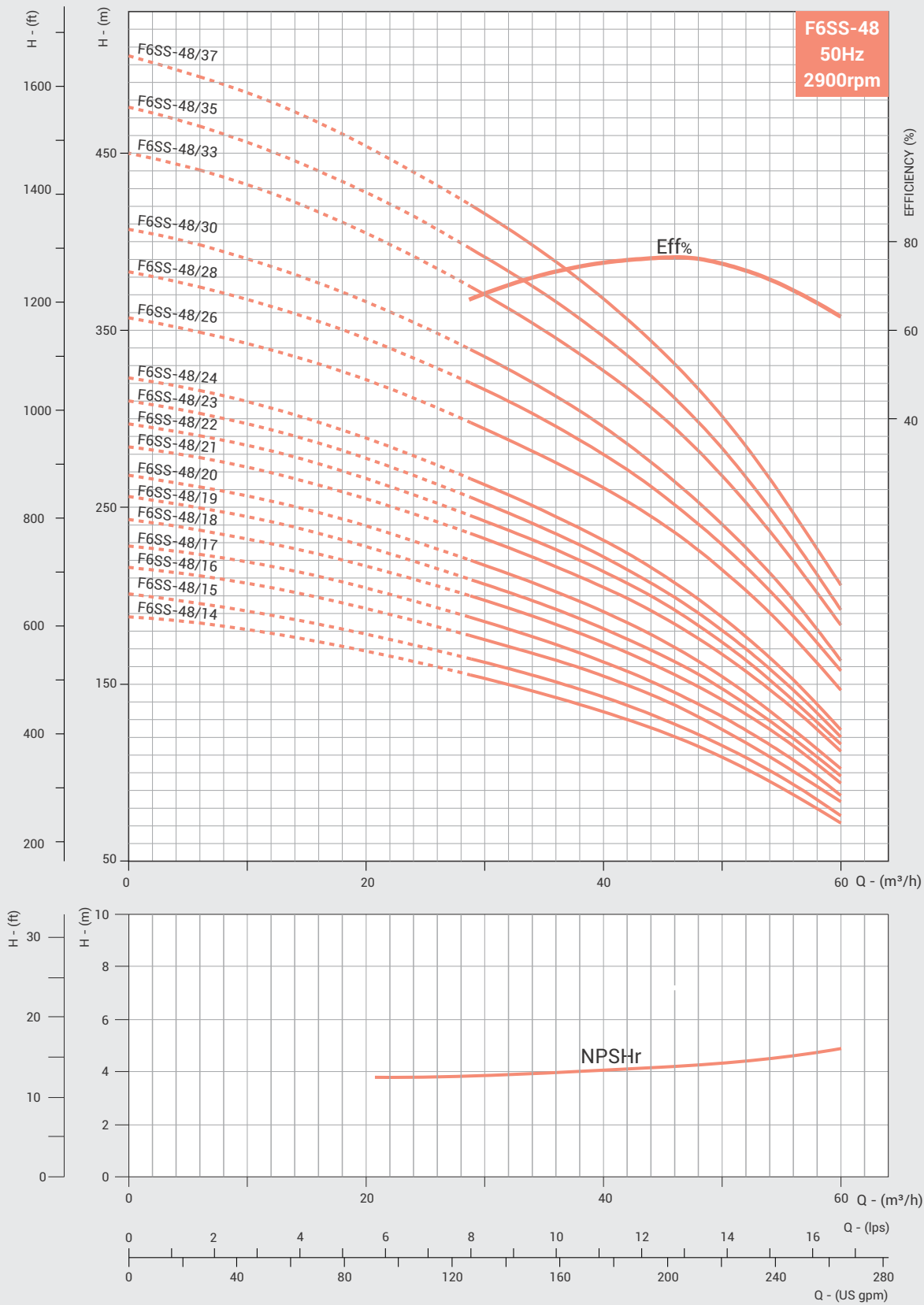
PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		#OD	RP	H	
F6SS-48/14	22	30	1/2	145/149	80/100	1872	38
F6SS-48/15	22	30	1/2	145/149	80/100	1985	41
F6SS-48/16	26	35	1/2	145/149	80/100	2098	43
F6SS-48/17	26	35	1/2	145/149	80/100	2211	45
F6SS-48/18	30	40	1/2	145/149	80/100	2324	48
F6SS-48/19	30	40	1/2	145/149	80/100	2437	50
F6SS-48/20	37	50	1/2	145/149	80/100	2550	52
F6SS-48/21	37	50	1/2	145/149	80/100	2663	54
F6SS-48/22	37	50	1/2	145/149	80/100	2776	57
F6SS-48/23	37	50	1/2	145/149	80/100	2889	59
F6SS-48/24	37	50	1/2	145/149	80/100	3002	61
F6SS-48/26	45	60	1/2	145/149	80/100	3228	66
F6SS-48/28	45	60	1/2	145/149	80/100	3454	70
F6SS-48/30	45	60	1/2	145/149	80/100	3680	75
F6SS-48/33	55	75	1/2	145/149	80/100	4019	84
F6SS-48/35	55	75	1/2	145/149	80/100	4245	89
F6SS-48/37	63	85	1/2	145/149	80/100	4471	93

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	2,78	5,56	8,34	11,12	12,2	13,4	13,9	15,6	16,68
		m ³ /h	0	10	20	30	40	44	48	50	56	60
F6SS-48/14	22	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	188	179	168	153	135	130	115	109	89	72
F6SS-48/15	22		201	192	178	163	143	132	121	115	94	76
F6SS-48/16	26		216	207	193	175	154	144	131	125	100	84
F6SS-48/17	26		228	219	204	186	162	151	139	132	109	88
F6SS-48/18	30		243	233	217	197	174	161	149	141	116	95
F6SS-48/19	30		256	245	228	206	182	170	155	148	120	99
F6SS-48/20	37		268	256	240	217	191	179	163	154	125	103
F6SS-48/21	37		284	273	255	233	205	181	176	167	136	113
F6SS-48/22	37		297	285	266	243	214	200	182	174	140	117
F6SS-48/23	37		310	297	278	253	222	207	190	180	148	121
F6SS-48/24	37		323	310	289	263	231	216	199	188	152	124
F6SS-48/26	45		357	343	323	295	261	245	226	215	179	148
F6SS-48/28	45		383	367	345	316	280	261	240	229	190	159
F6SS-48/30	45		407	390	366	335	295	276	251	240	199	164
F6SS-48/33	55		450	433	405	370	328	308	281	268	220	184
F6SS-48/35	55		476	456	428	392	347	325	299	283	231	193
F6SS-48/37	63		505	484	454	416	368	345	319	301	249	207

*** Optional outlet Size.

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP



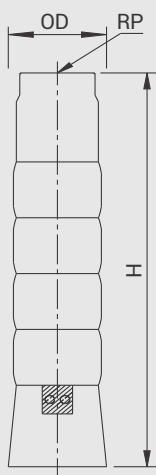
Refer General Information for performance curve conditions and for other details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 60m³/h

Outlet Size : 3"/4" **



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-60/01	2,2	3	1	145	80/100	403	6
F6SS-60/02	4	5,5	1	145	80/100	516	11
F6SS-60/03	5,5	7,5	1/2	145/149	80/100	629	13
F6SS-60/04	7,5	10	1/2	145/149	80/100	742	16
F6SS-60/05	9,3	12,5	1/2	145/149	80/100	855	18
F6SS-60/06	11	15	1/2	145/149	80/100	968	21
F6SS-60/07	13	17,5	1/2	145/149	80/100	1081	23
F6SS-60/08	15	20	1/2	145/149	80/100	1194	25
F6SS-60/09	18,5	25	1/2	145/149	80/100	1307	28
F6SS-60/10	18,5	25	1/2	145/149	80/100	1420	30
F6SS-60/11	22	30	1/2	145/149	80/100	1533	32
F6SS-60/12	22	30	1/2	145/149	80/100	1646	35
F6SS-60/13	26	35	1/2	145/149	80/100	1759	37
F6SS-60/14	26	35	1/2	145/149	80/100	1872	39

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	4,16	5,55	8,33	11,11	13,88	16,66	19,44	22,22
		m ³ /h	0	15	20	30	40	50	60	70	80
F6SS-60/01	2,2	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	14	13	12	11	9	7	5	3	1
F6SS-60/02	4		26	25	24	23	20	17	14	10	5
F6SS-60/03	5,5		39	38	37	35	32	27	22	15	9
F6SS-60/04	7,5		52	51	50	47	42	37	31	22	13
F6SS-60/05	9,3		67	64	63	59	53	45	37	28	16
F6SS-60/06	11		82	78	76	71	63	56	47	35	21
F6SS-60/07	13		94	91	89	83	73	66	55	41	24
F6SS-60/08	15		110	104	102	97	87	76	65	48	30
F6SS-60/09	18,5		122	114	112	106	95	84	70	54	33
F6SS-60/10	18,5		138	133	128	118	105	92	76	57	35
F6SS-60/11	22		148	142	138	128	114	101	86	65	40
F6SS-60/12	22		167	156	152	141	124	109	92	69	43
F6SS-60/13	26		180	170	165	153	137	120	100	75	45
F6SS-60/14	26		195	184	179	164	144	128	110	83	48

** Optional outlet Size.

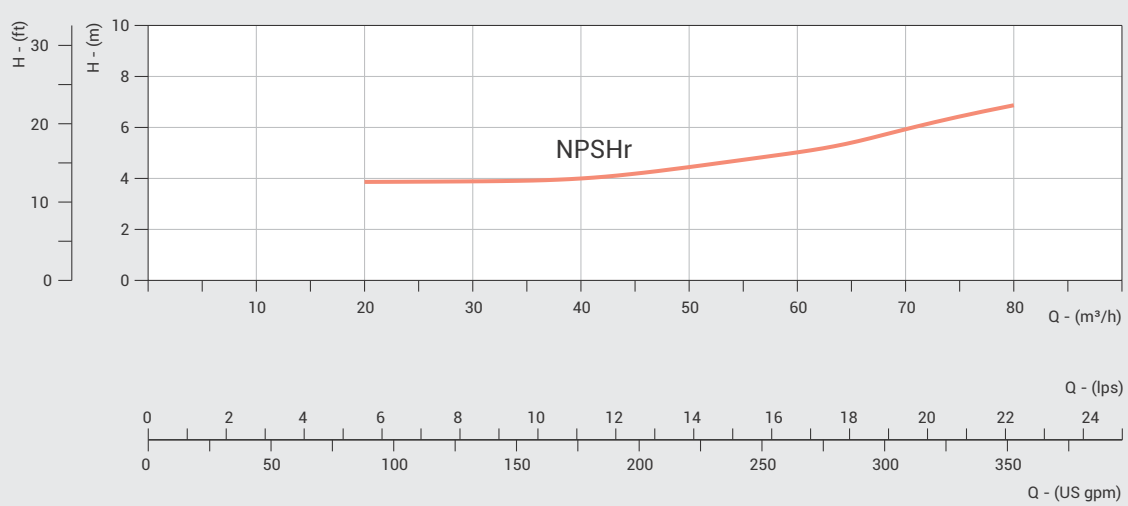
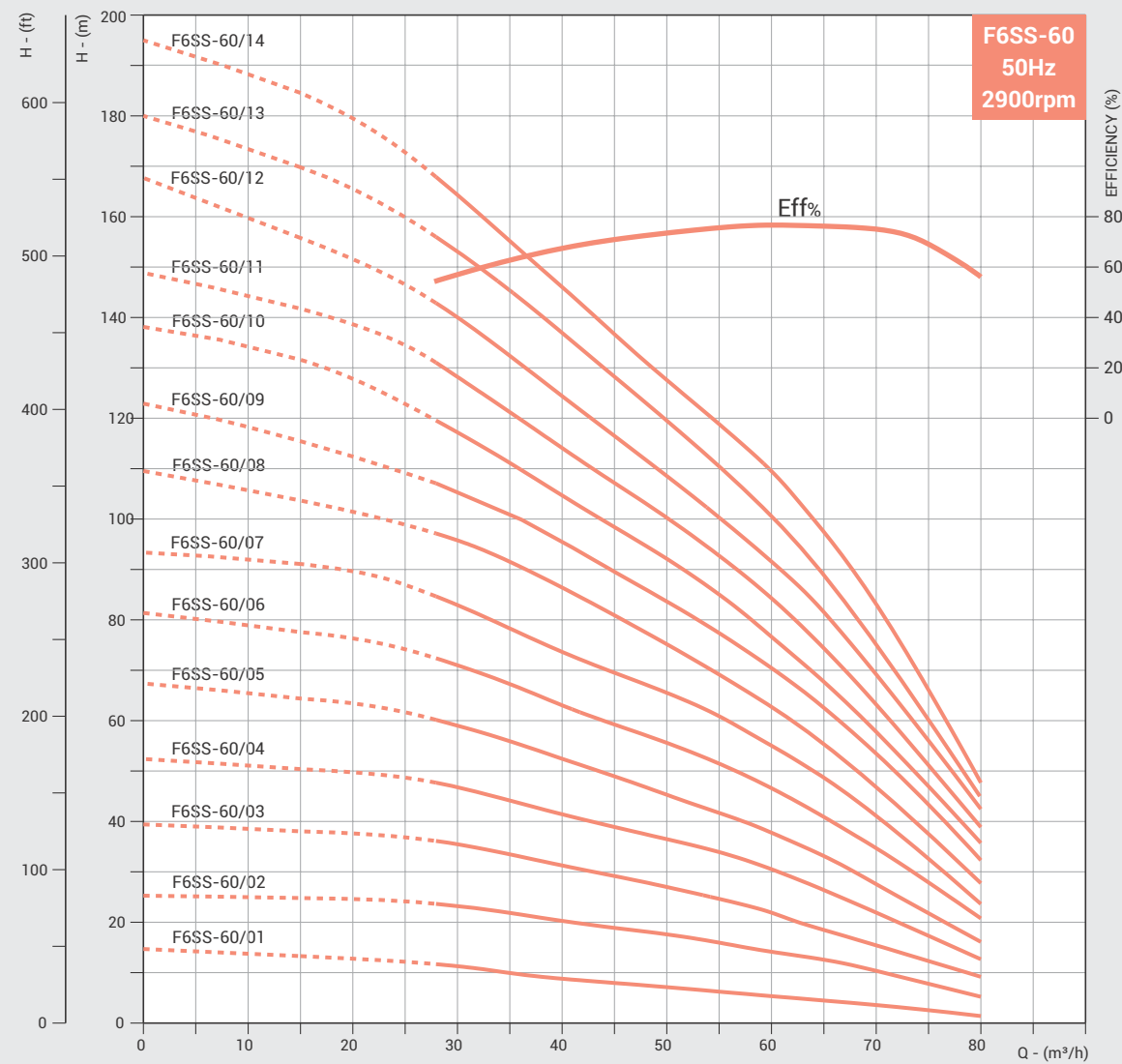
* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP

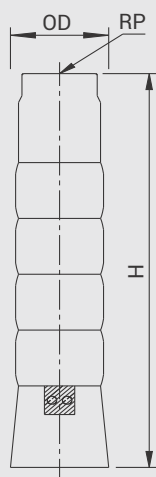


DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 60m³/h

Outlet Size : 3"/4" **



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-60/15	26	35	1/2	145/149	80/100	1985	42
F6SS-60/16	30	40	1/2	145/149	80/100	2098	44
F6SS-60/17	30	40	1/2	145/149	80/100	2211	46
F6SS-60/18	37	50	1/2	145/149	80/100	2324	49
F6SS-60/19	37	50	1/2	145/149	80/100	2437	51
F6SS-60/20	37	50	1/2	145/149	80/100	2550	53
F6SS-60/21	37	50	1/2	145/149	80/100	2663	56
F6SS-60/22	45	60	1/2	145/149	80/100	2776	58
F6SS-60/24	45	60	1/2	145/149	80/100	3002	63
F6SS-60/26	55	75	1/2	145/149	80/100	3228	70
F6SS-60/28	55	75	1/2	145/149	80/100	3454	74
F6SS-60/30	55	75	1/2	145/149	80/100	3680	79

PERFORMANCE TABLE

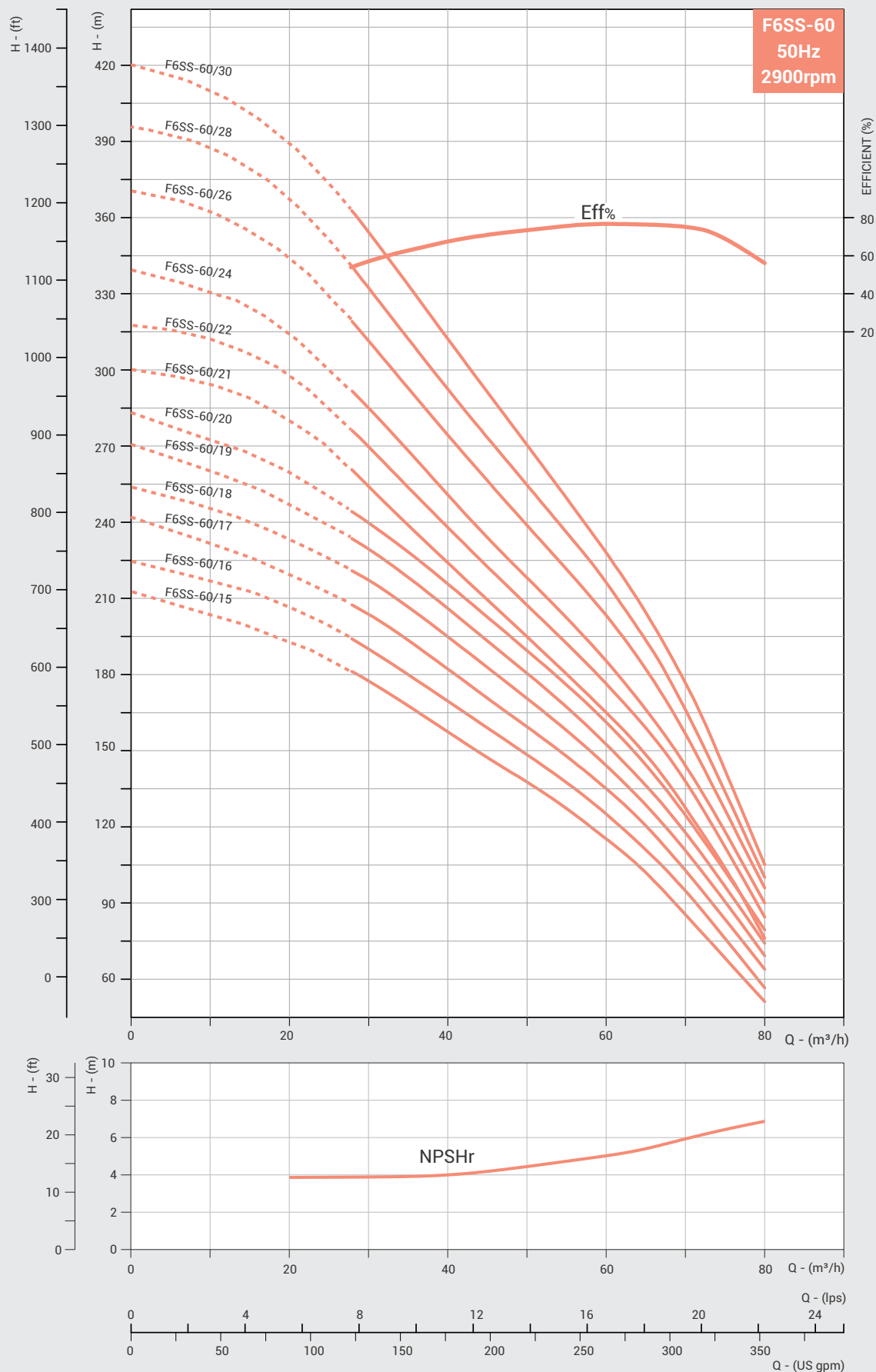
PUMP MODEL	MOTOR kW	lps	0	4,16	5,55	8,33	11,11	13,88	16,66	19,44	22,22
		m ³ /h	0	15	20	30	40	50	60	70	80
F6SS-60/15	26	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	212	198	194	177	157	137	117	85	52
F6SS-60/16	30		220	213	207	188	167	147	127	89	57
F6SS-60/17	30		242	227	222	205	183	160	138	107	63
F6SS-60/18	37		252	240	233	212	189	176	142	112	67
F6SS-60/19	37		270	254	248	231	206	181	152	116	74
F6SS-60/20	37		282	276	267	259	216	189	162	126	80
F6SS-60/21	37		300	288	281	254	223	195	165	126	77
F6SS-60/22	45		318	306	298	270	238	207	176	138	84
F6SS-60/24	45		339	324	314	285	251	218	186	144	90
F6SS-60/26	55		370	354	344	312	275	239	204	156	96
F6SS-60/28	55		396	378	367	332	293	255	216	161	101
F6SS-60/30	55		420	402	390	354	312	270	228	176	107

** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.

Curve tolerance according to ISO : 9906, Grade - 3B

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP

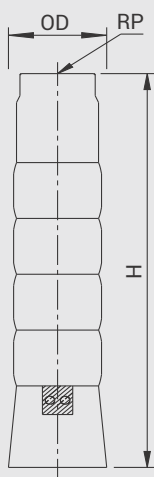


DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 76m³/h

Outlet Size : 4"



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-76/01	3	4	1/2	149/153	100	457	11
F6SS-76/02	5.5	7.5	1/2	149/153	100	601	14
F6SS-76/03	7.5	10	1/2	149/153	100	745	17
F6SS-76/04	11	15	1/2	149/153	100	889	20
F6SS-76/05	13	17.5	1/2	149/153	100	1033	23
F6SS-76/06	15	20	1/2	149/153	100	1177	26
F6SS-76/07	18.5	25	1/2	149/153	100	1321	29
F6SS-76/08	18.5	25	1/2	149/153	100	1465	32
F6SS-76/09	22	30	1/2	149/153	100	1609	35
F6SS-76/10	25	35	1/2	149/153	100	1753	38
F6SS-76/11	30	40	1/2	149/153	100	1897	41
F6SS-76/12	30	40	1/2	149/153	100	2041	44
F6SS-76/13	37	50	1/2	149/153	100	2185	47
F6SS-76/14	37	50	1/2	149/153	100	2329	50
F6SS-76/15	37	50	1/2	149/153	100	2473	54
F6SS-76/16	45	60	1/2	149/153	100	2617	57
F6SS-76/17	45	60	1/2	149/153	100	2761	60
F6SS-76/18	45	60	1/2	149/153	100	2905	63

PERFORMANCE TABLE

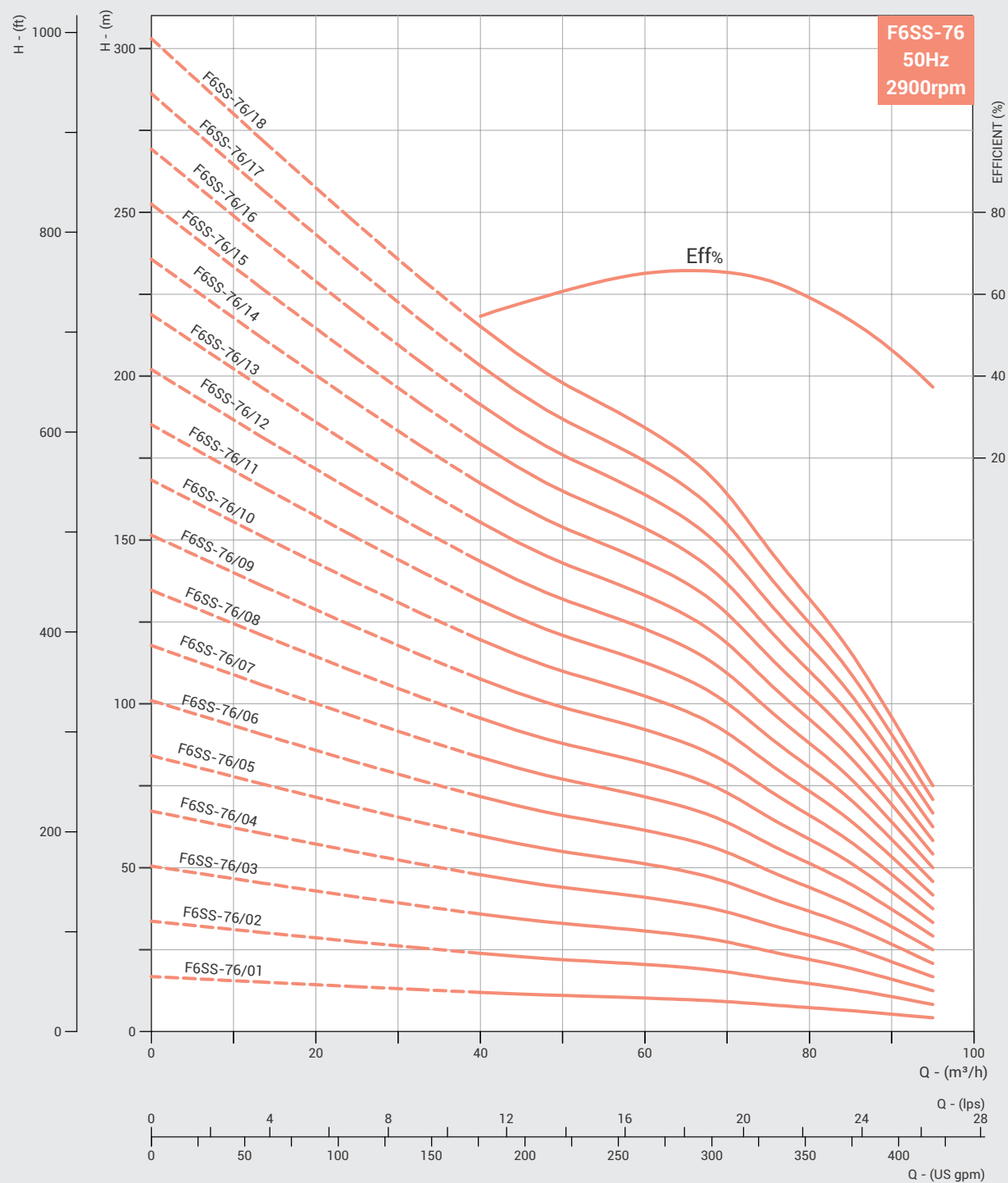
PUMP MODEL	MOTOR kW	lps	0	11,1	15,3	18,1	19,4	20,8	22,2	23,6	25,0	26,4
		m ³ /h	0	40	55	65	70	75	80	85	90	95
F6SS-76/01	3	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	17	12	11	10	9	8	7	7	5	4
F6SS-76/02	5.5		34	23	21	20	18	16	15	13	11	8
F6SS-76/03	7.5		51	35	32	30	28	25	22	20	16	13
F6SS-76/04	11		67	47	43	39	37	33	29	26	21	17
F6SS-76/05	13		84	58	53	49	46	41	37	33	27	21
F6SS-76/06	15		101	70	64	59	55	49	44	39	32	25
F6SS-76/07	18.5		118	82	75	69	64	57	51	46	37	29
F6SS-76/08	18.5		135	93	85	79	73	65	59	52	43	33
F6SS-76/09	22		152	105	96	89	83	74	66	59	48	38
F6SS-76/10	25		168	117	107	98	92	82	73	65	53	42
F6SS-76/11	30		185	128	117	108	101	90	81	72	59	46
F6SS-76/12	30		202	140	128	118	110	98	88	78	64	50
F6SS-76/13	37		219	152	139	128	119	106	95	85	69	54
F6SS-76/14	37		236	163	149	138	128	114	103	91	75	58
F6SS-76/15	37		253	175	160	148	138	123	110	98	80	63
F6SS-76/16	45		269	187	171	157	147	131	117	104	85	67
F6SS-76/17	45		286	198	181	167	156	139	125	111	91	71
F6SS-76/18	45		303	210	192	177	165	147	132	117	96	75

** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.

Curve tolerance according to ISO : 9906, Grade - 3B

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP

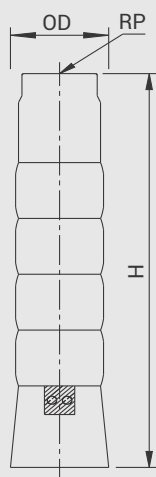


DIMENSIONS & WEIGHT - 6" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 6"

Nominal Flow : 92m³/h

Outlet Size : 4"



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F6SS-92/01	4	5.5	1/2	149/153	100	457	11
F6SS-92/02	7.5	10	1/2	149/153	100	601	14
F6SS-92/03	11	15	1/2	149/153	100	745	17
F6SS-92/04	15	20	1/2	149/153	100	889	20
F6SS-92/05	18.5	25	1/2	149/153	100	1033	23
F6SS-92/06	22	30	1/2	149/153	100	1177	26
F6SS-92/07	26	35	1/2	149/153	100	1321	29
F6SS-92/08	30	40	1/2	149/153	100	1465	32
F6SS-92/09	37	50	1/2	149/153	100	1609	35
F6SS-92/10	37	50	1/2	149/153	100	1753	38
F6SS-92/11	45	60	1/2	149/153	100	1897	41
F6SS-92/12	45	60	1/2	149/153	100	2041	44

PERFORMANCE TABLE

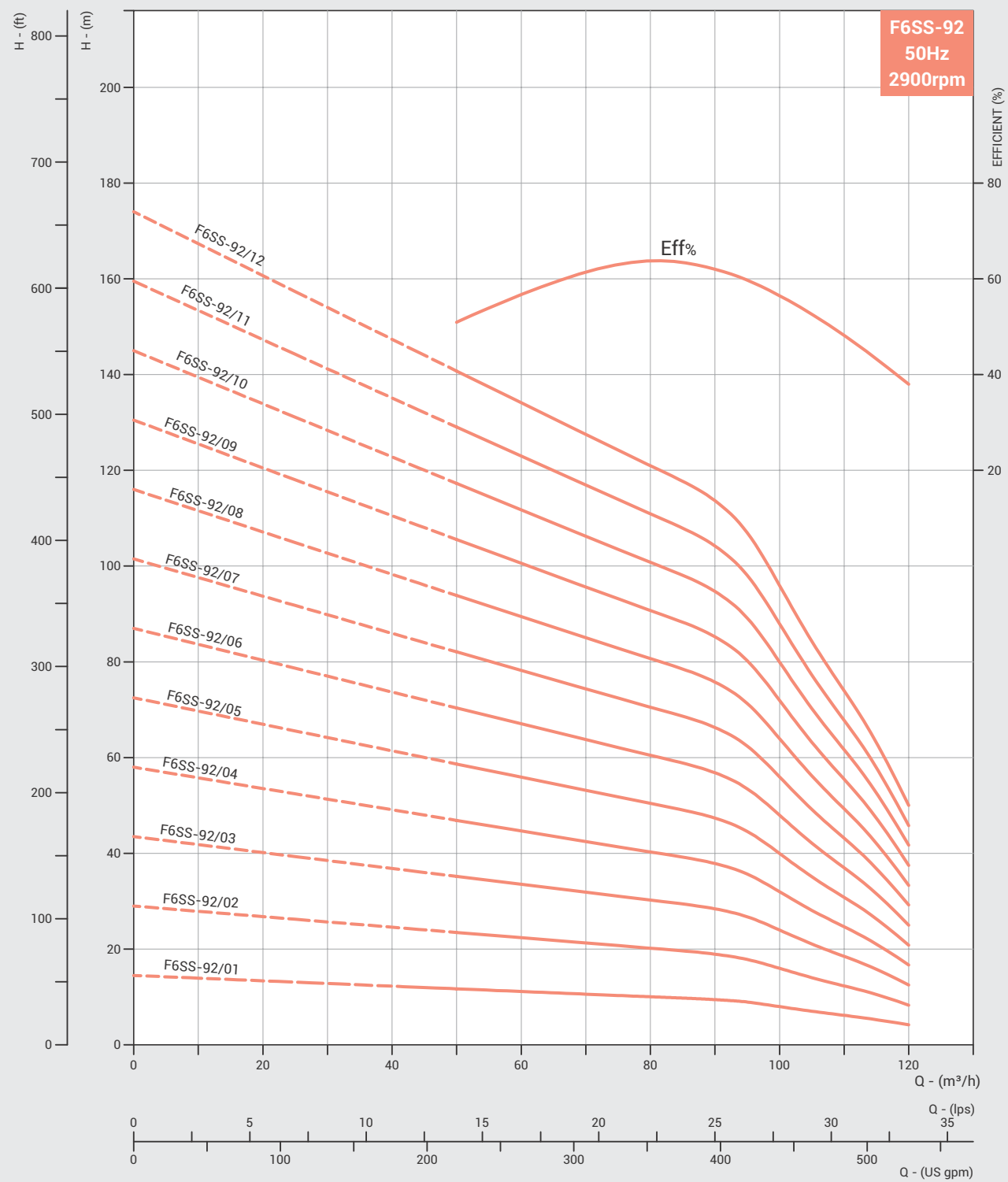
PUMP MODEL	MOTOR kW	lps	0	20,8	23,6	25,0	26,4	27,8	29,2	30,6	31,9	33,3
		m ³ /h	0	75	85	90	95	100	105	110	115	120
F6SS-92/01	4	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	15	10	10	10	9	8	7	6	5	4
F6SS-92/02	7.5		29	21	20	19	18	16	14	12	11	8
F6SS-92/03	11		44	31	30	29	27	24	21	19	16	13
F6SS-92/04	15		58	41	39	38	36	32	28	25	21	17
F6SS-92/05	18.5		73	52	49	48	45	40	35	31	27	21
F6SS-92/06	22		87	62	59	57	54	48	42	37	32	25
F6SS-92/07	26		102	72	69	67	63	56	49	43	37	29
F6SS-92/08	30		116	83	79	76	72	64	56	49	43	33
F6SS-92/09	37		131	93	89	86	81	72	63	56	48	38
F6SS-92/10	37		145	103	98	95	90	80	70	62	53	42
F6SS-92/11	45		160	114	108	105	99	88	77	68	59	46
F6SS-92/12	45		174	124	118	114	108	96	84	74	64	50

** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.

Curve tolerance according to ISO : 9906, Grade - 3B

PERFORMANCE CURVES - 6" STAINLESS STEEL SUBMERSIBLE PUMP

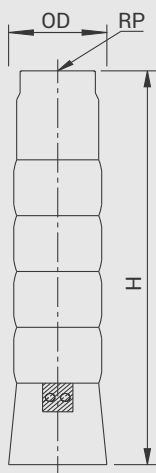


DIMENSIONS & WEIGHT - 8" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 8"

Nominal Flow : 78m³/h

Outlet Size : 4"/5"*



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F8SS-78/01	5,5	7,5	1	193	100 / 125	554	22
F8SS-78/02	7,5	10	1/2	193/195	100 / 125	682	26
F8SS-78/03	11	15	1/2	193/195	100 / 125	810	29
F8SS-78/04	15	20	1/2	193/195	100 / 125	938	33
F8SS-78/05	18,5	25	1/2	193/195	100 / 125	1066	37
F8SS-78/06	22	30	1/2	193/195	100 / 125	1194	41
F8SS-78/07	26	35	1/2	193/195	100 / 125	1322	45
F8SS-78/08	30	40	1/2	193/195	100 / 125	1450	48
F8SS-78/09	30	40	1/2	193/195	100 / 125	1578	52
F8SS-78/10	37	50	1/2	193/195	100 / 125	1706	56

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	5,56	8,34	11,11	13,88	16,66	22,22	27,78
			m ³ /h	20	30	40	50	60	80	100
F8SS-78/01	5,5	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	20	19,7	18	16,8	15,5	14,2	12	7,5
F8SS-78/02	7,5		39	38,5	37	34	31,5	29,5	24	15,5
F8SS-78/03	11		59	59	55,5	51,5	47,5	43,7	34,5	22
F8SS-78/04	15		81,5	80	76	70	65	59,5	48	31
F8SS-78/05	18,5		102	99	94	87	80,5	75	60,5	37,5
F8SS-78/06	22		121	118,5	112,5	104	96,5	89	72	44
F8SS-78/07	26		142	138	131,5	122,5	112,5	103,5	84,5	72
F8SS-78/08	30		162	157,5	150,5	139	128	118	96	58
F8SS-78/09	30		182	177	167,5	155	143,5	132,5	107	64,5
F8SS-78/10	37		202	197	188	174	160,5	148	120	74

** Optional outlet Size.

OD for 8/8 - Combination of Motor & Pump

OD for 6/8 - Combination 173mm (single cable guard) 177mm (Double cable guar)

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

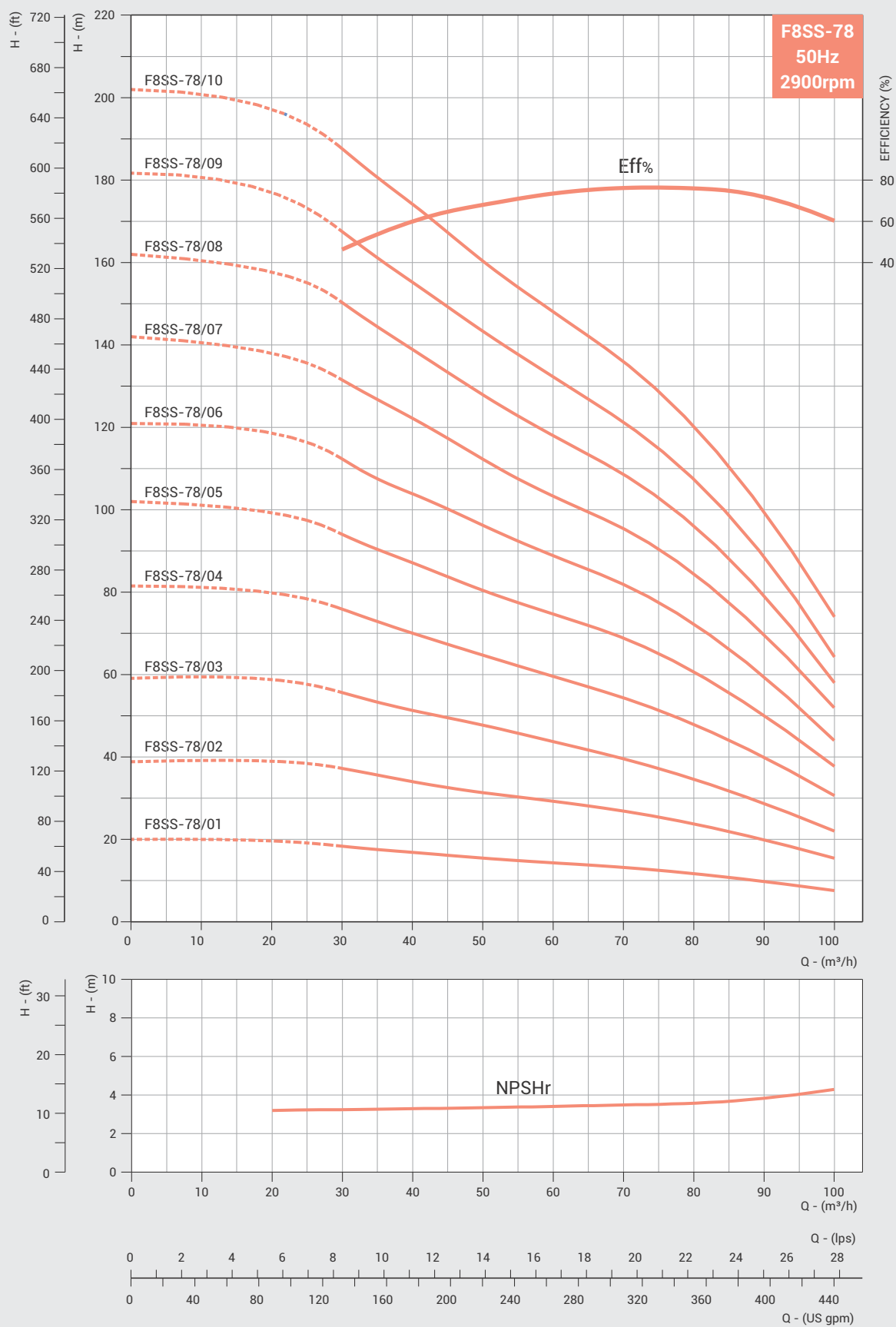
** Optional outlet Size.

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will bereplaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 8" STAINLESS STEEL SUBMERSIBLE PUMP

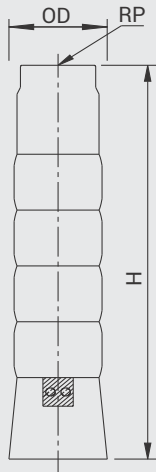


DIMENSIONS & WEIGHT - 8" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 8"

Nominal Flow : 78m³/h

Outlet Size : 4"/5"**



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		OD	RP	H	
F8SS-78/11	45	60	1/2	193/195	100 / 125	1834	60
F8SS-78/12	45	60	1/2	193/195	100 / 125	1962	63
F8SS-78/13	55	75	1/2	193/195	100 / 125	2090	67
F8SS-78/14	55	75	1/2	193/195	100 / 125	2218	71
F8SS-78/15	55	75	1/2	193/195	100 / 125	2346	76
F8SS-78/16	63	85	1/2	193/195	100 / 125	2474	78
F8SS-78/17	63	85	1/2	193/195	100 / 125	2602	82
F8SS-78/18	63	85	1/2	193/195	100 / 125	2730	85
F8SS-78/19	75	100	1/2	193/195	100 / 125	2858	89
F8SS-78/20	75	100	1/2	193/195	100 / 125	2986	93
F8SS-78/21	75	100	1/2	193/195	100 / 125	3114	97
F8SS-78/22	93	125	1/2	193/195	100 / 125	3242	100

PERFORMANCE TABLE

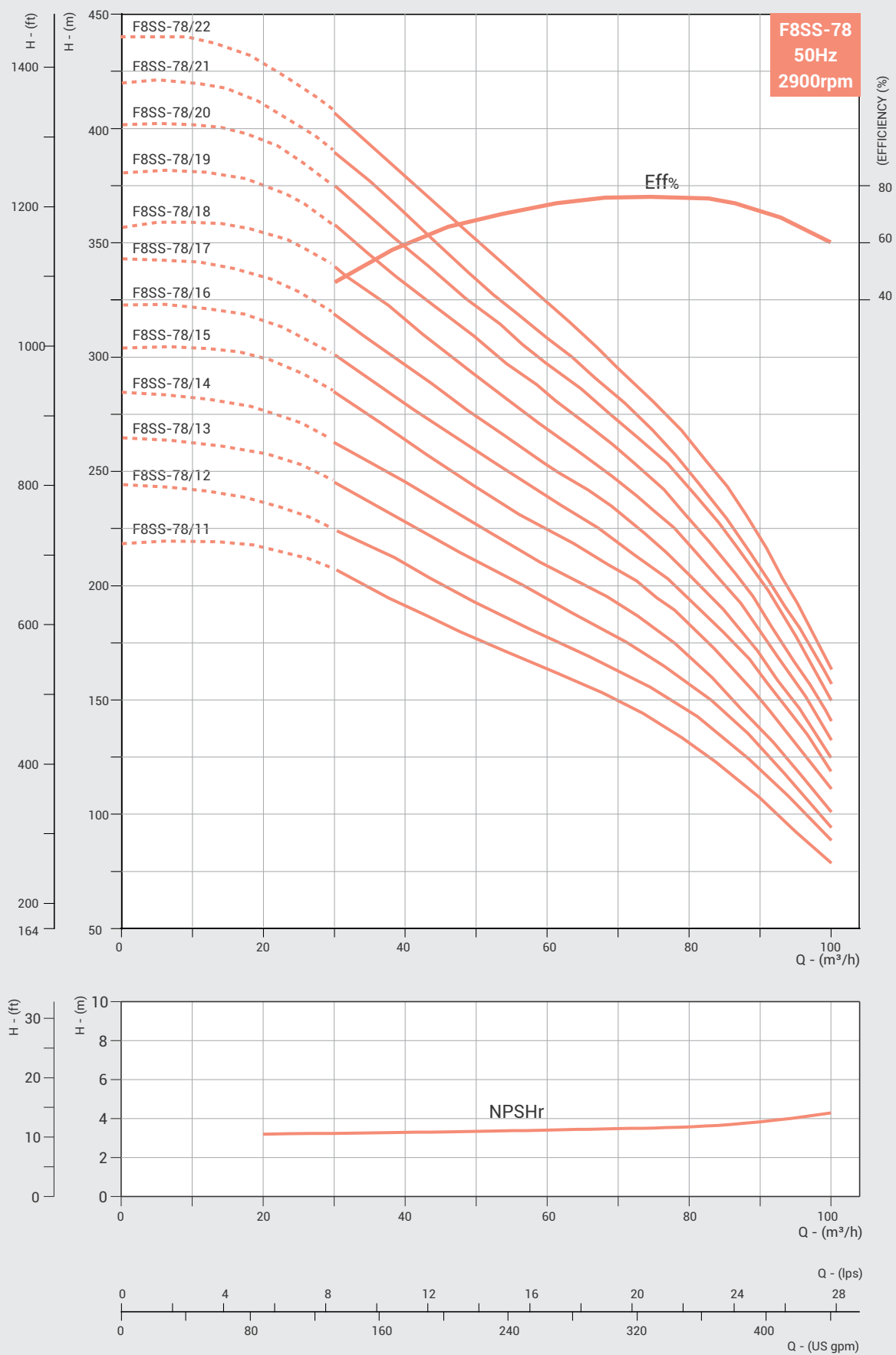
PUMP MODEL	MOTOR kW	lps	0	5,56	8,34	11,11	13,88	16,66	22,22	27,78
		m ³ /h	0	20	30	40	50	60	80	100
F8SS-78/11	45	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	218	217	207	191,5	177	163	132	78
F8SS-78/12	45		244	237	225	209,5	192,5	178	145	89
F8SS-78/13	55		265	258	245,5	228	211	194	157,5	94,5
F8SS-78/14	55		285	277	263	245	226,5	209	169	101
F8SS-78/15	55		304	300	285	264	243	224	184,5	111,5
F8SS-78/16	63		323	316,5	300,5	280	259	239	195	119
F8SS-78/17	63		343	336	319	297	274,5	253,5	205,5	125
F8SS-78/18	63		357	355	339,5	317	292	269	218,5	133
F8SS-78/19	75		381	376	357,5	332,5	308	284	230	141,5
F8SS-78/20	75		404	395	375	346	322	297	242	150
F8SS-78/21	75		420	410	390	368	335	309	250	157
F8SS-78/22	93		440	429	407	380	350	324	265	164

** Optional outlet Size.

Refer General Information for performance curve conditions and for other details.

Curve tolerance according to ISO : 9906, Grade - 3B

PERFORMANCE CURVES - 8" STAINLESS STEEL SUBMERSIBLE PUMP

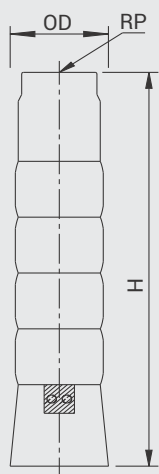


DIMENSIONS & WEIGHT - 8" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 8"

Nominal Flow : 95m³/h

Outlet Size : 5"*



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT, WEIGHT (kg)
	kW	HP		OD	RP	H	
F8SS-95/01	5,5	7,5	1	193	125	554	22
F8SS-95/02	9,3	12,5	1/2	193/195	125	682	26
F8SS-95/03	13	17,5	1/2	193/195	125	810	30
F8SS-95/04	18,5	25	1/2	193/195	125	938	33
F8SS-95/05	22	30	1/2	193/195	125	1066	37
F8SS-95/06	26	35	1/2	193/195	125	1194	41
F8SS-95/07	30	45	1/2	193/195	125	1322	45
F8SS-95/08	37	50	1/2	193/195	125	1450	49
F8SS-95/09	37	50	1/2	193/195	125	1578	53
F8SS-95/10	45	60	1/2	193/195	125	1706	57

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	5,56	11,11	16,66	22,22	27,78	33,33	35
		m ³ /h	0	20	40	60	80	100	120	126
F8SS-95/01	5,5	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	22	21	18	15,5	13,5	11,5	6	2
F8SS-95/02	9,3		44	41,5	36	31,5	28	22,5	13	8,5
F8SS-95/03	13		68	62,5	55,3	48,5	42,5	32,5	19,5	12,5
F8SS-95/04	18,5		90	83,5	74	65	56,5	44	26	17
F8SS-95/05	22		111	103	93	80,5	70,5	55,5	33	24
F8SS-95/06	26		131	124	111,5	97	84,5	67	40	29
F8SS-95/07	30		151	144	129,5	113	98	78	47	34,5
F8SS-95/08	37		173	165	148,5	130	114	91,5	54,5	40
F8SS-95/09	37		194	184	165,5	144	126	100,5	60,5	47
F8SS-95/10	45		211	200	181,5	162	140	113	68,5	51

** Optional outlet Size.

OD for 8/8 - Combination of Motor & Pump

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

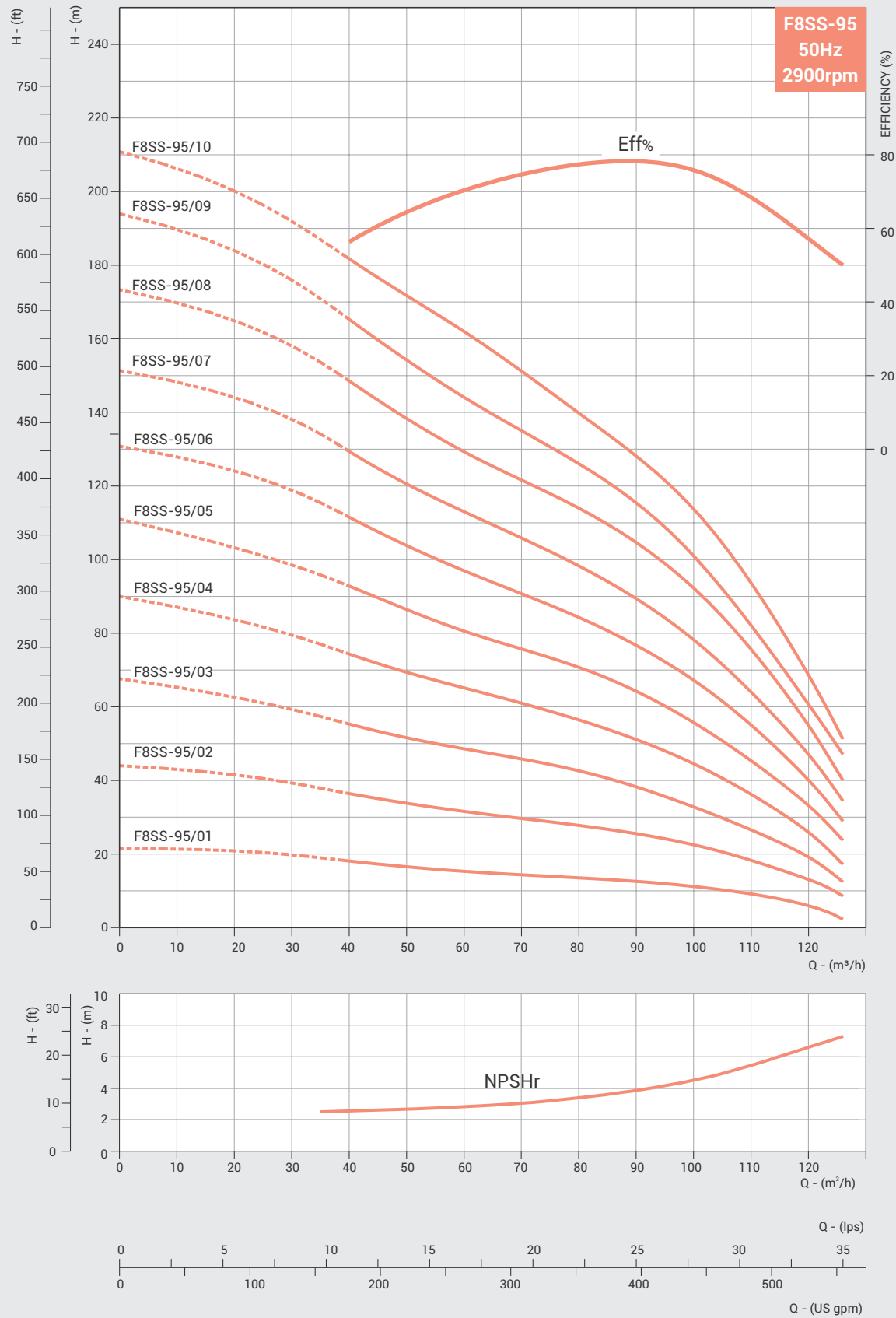
** Optional outlet Size.

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 8" STAINLESS STEEL SUBMERSIBLE PUMP

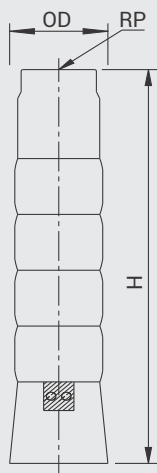


DIMENSIONS & WEIGHT - 8" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 8"

Nominal Flow : 95m³/h

Outlet Size : 5" **



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT, WEIGHT (kg)
	kW	HP		OD	RP	H	
F8SS-95/11	55	75	1/2	193/195	125	1834	61
F8SS-95/12	55	75	1/2	193/195	125	1962	64
F8SS-95/13	55	75	1/2	193/195	125	2090	68
F8SS-95/14	63	85	1/2	193/195	125	2294	72
F8SS-95/15	75	100	1/2	193/195	125	2423	76
F8SS-95/16	75	100	1/2	193/195	125	2552	80
F8SS-95/17	93	100	1/2	193/195	125	2681	84
F8SS-95/18	93	125	1/2	193/195	125	2810	88
F8SS-95/19	93	125	1/2	193/195	125	2939	91
F8SS-95/20	93	125	1/2	193/195	125	3068	95
F8SS-95/22	110	150	1/2	193/195	125	3242	104
F8SS-95/24	130	175	1/2	193/195	125	3370	111

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	5,56	11,11	16,66	22,22	27,78	33,33	35
		m ³ /h	0	20	40	60	80	100	120	126
F8SS-95/11	55	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	237,5	227,5	204,5	179,5	158	126,5	77	60,5
F8SS-95/12	55		262,5	248	222	194,5	170	137,5	83	64
F8SS-95/13	55		285	268	241,5	210,5	185,5	151	90,5	69
F8SS-95/14	63		306	291	262	229,5	202	164,5	100	78
F8SS-95/15	75		326	310	280	246	216	176	106,5	57
F8SS-95/16	75		347,5	331	296,5	261	229	186	112,5	89,5
F8SS-95/17	93		367,5	350	314	275,5	241,5	196	119	95
F8SS-95/18	93		393	373	336	294	259	211	128	99
F8SS-95/19	93		410	391,5	355	310,5	274	220	133	105
F8SS-95/20	93		435	416	376,5	325,5	286	231,5	145	112
F8SS-95/22	110		475	452	416,5	351	307	250	156	120
F8SS-95/24	130		518	490	453	383	332	270	176	132

** Optional outlet Size.

OD for 8/8 - Combination of Motor & Pump

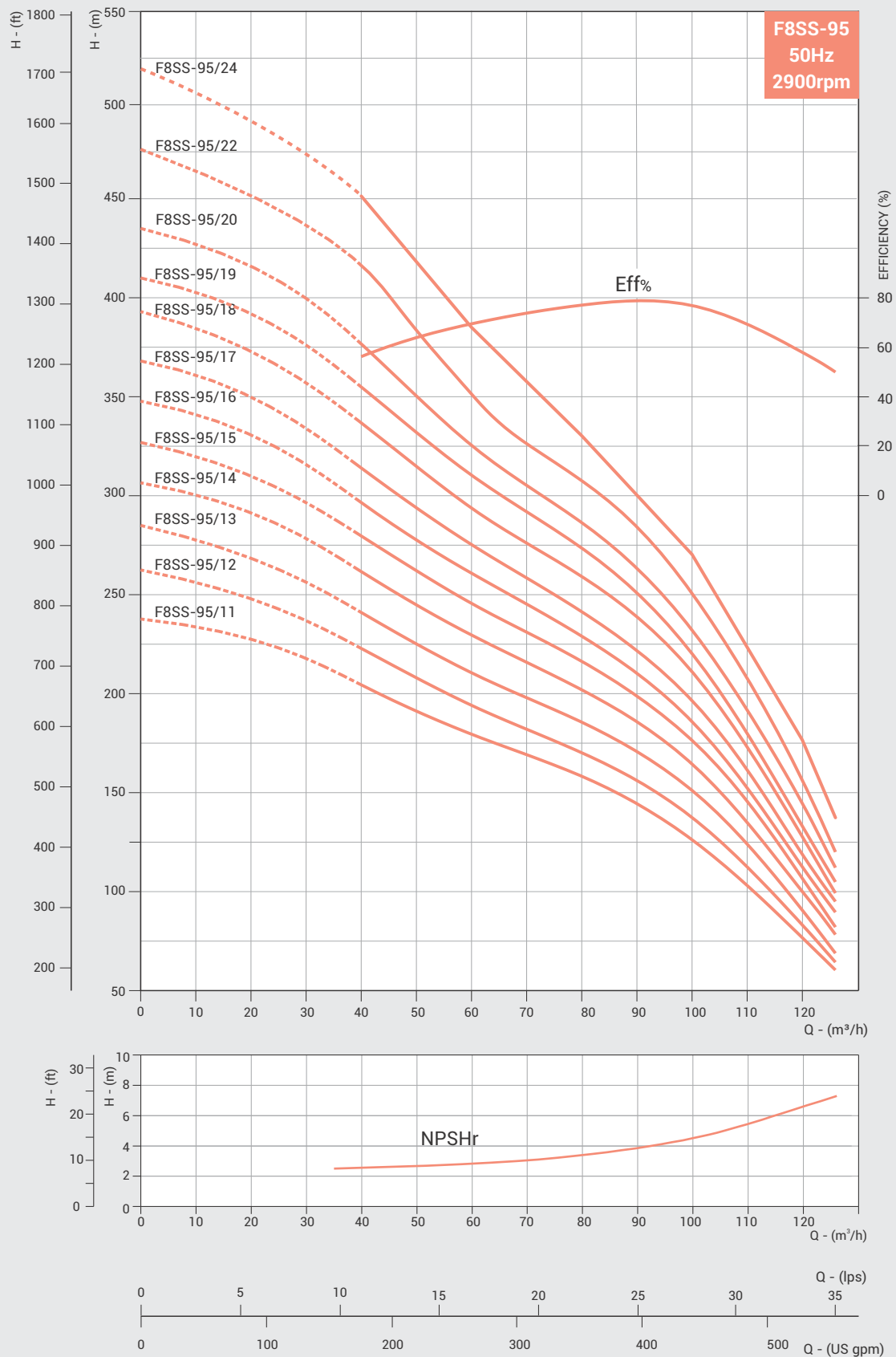
OD for 6/8 - Combination 173mm (single cable guard) 177mm (Double cable guard)

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 8" STAINLESS STEEL SUBMERSIBLE PUMP

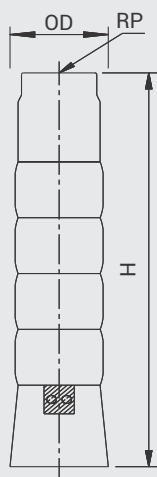


DIMENSIONS & WEIGHT - 10" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 10"

Nominal Flow : 125m³/h

Outlet Size : 6"



PUMP MODEL	REQUIRED MOTOR POWER		+NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		#OD	RP	H	
F10SS-125/01	11	15	1/2	225	150	644	31
F10SS-125/02	22	30	1/2	225	150	798	37
F10SS-125/03	30	40	1/2	225	150	952	43
F10SS-125/04R	37	50	1/2	225	150	1106	49
F10SS-125/04	45	60	1/2	225	150	1106	49
F10SS-125/05R	45	60	1/2	225	150	1260	55
F10SS-125/05	55	75	1/2	225	150	1260	55
F10SS-125/06	63	85	1/2	225	150	1414	61
F10SS-125/07	75	100	1/2	225	150	1568	67
F10SS-125/08RR	75	100	1/2	225	150	1722	74
F10SS-125/08R	75	100	1/2	225	150	1722	74
F10SS-125/08	75	100	1/2	225	150	1722	74
F10SS-125/09	93	125	1/2	225	150	1876	80
F10SS-125/10R	93	125	1/2	225	150	2030	86
F10SS-125/10	93	125	1/2	225	150	2030	86

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	13,88	20,83	27,77	34,72	41,66	45
		m ³ /h	0	50	75	100	125	150	162
F10SS-125/01	11	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	29	26	24	21	18	14	12
F10SS-125/02	22		58	56	49	44	38	30	25
F10SS-125/03	30		86	81	74	66	56	45	37
F10SS-125/04R	37		105	100	92	83	70	52	43
F10SS-125/04	45		114	108	99	90	78	60	50
F10SS-125/05R	45		135	129	119	108	93	70	58
F10SS-125/05	55		144	134	127	116	102	80	68
F10SS-125/06	63		174	166	154	140	123	97	93
F10SS-125/07	75		202	194	180	164	144	114	97
F10SS-125/08RR	75		213	204	190	172	148	114	94
F10SS-125/08R	75		220	212	194	176	152	117	97
F10SS-125/08	75		228	219	202	183	160	124	106
F10SS-125/09	93		259	238	228	208	182	142	122
F10SS-125/10R	93		279	268	247	226	195	152	127
F10SS-125/10	93		287	274	254	231	204	158	132

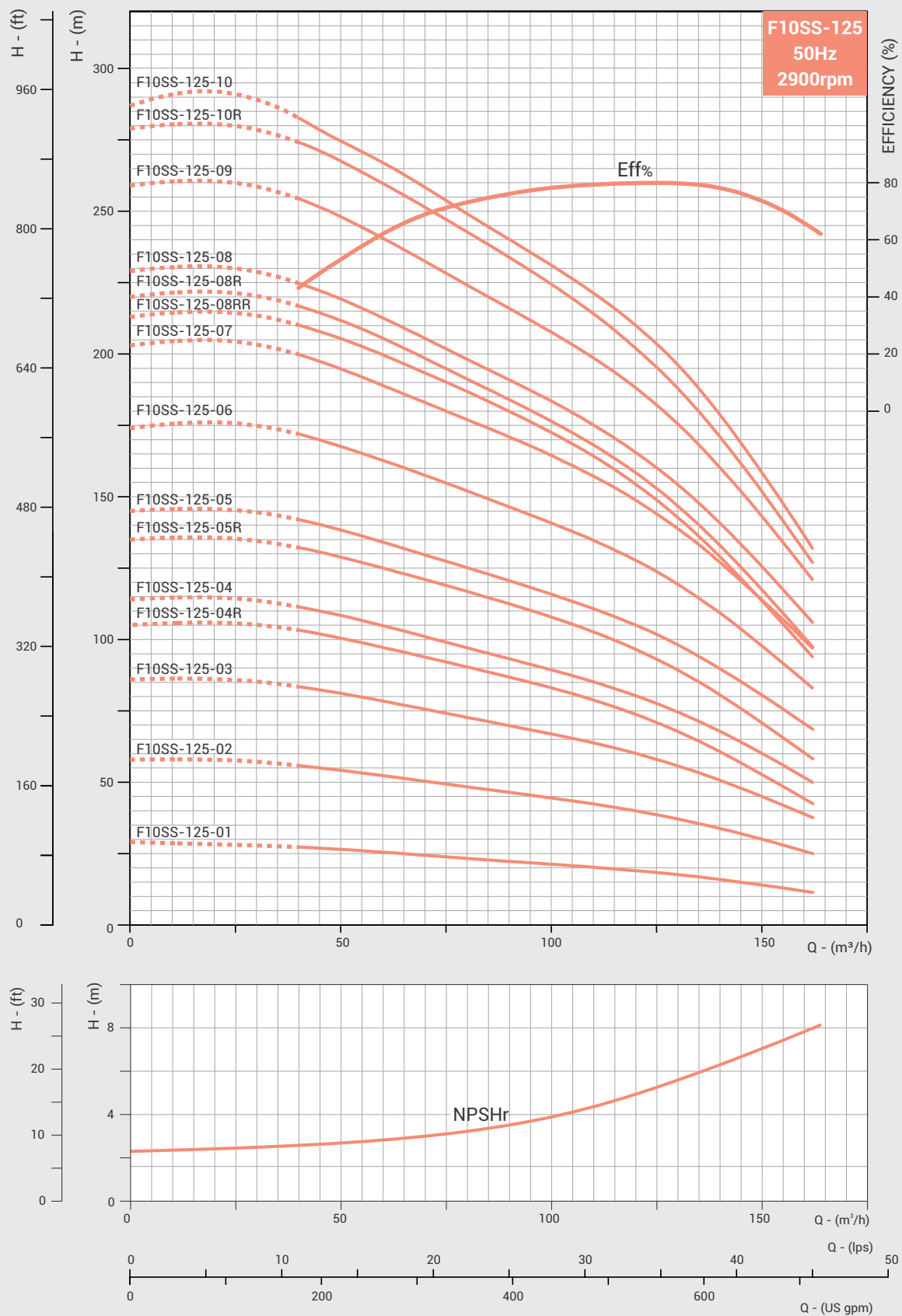
* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 10" STAINLESS STEEL SUBMERSIBLE PUMP

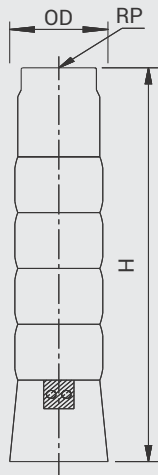


DIMENSIONS & WEIGHT - 10" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 10"

Nominal Flow : 125m³/h

Outlet Size : 6"



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		#OD	RP	H	
F10SS-125/11	110	150	1/2	225	150	2184	92
F10SS-125/12	132	175	1/2	225	150	2338	98
F10SS-125/13	132	175	1/2	225	150	2492	109
F10SS-125/14	150	200	1/2	225	150	2646	120
F10SS-125/15	150	200	1/2	225	150	2800	131
F10SS-125/16	170	225	1/2	225	150	2954	142
F10SS-125/17	170	225	1/2	225	150	3108	152

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps m ³ /h	0	13,88	20,83	27,77	34,72	41,66	45
			0	50	75	100	125	150	162
F10SS-125/11	110	TOTAL MANOMETRIC HEAD IN METRES (COLUMN WATER)	308	300	274	249	219	170	140
F10SS-125/12	132		343	330	305	278	246	192	162
F10SS-125/13	132		372	358	328	299	264	210	177
F10SS-125/14	150		400	390	360	328	292	232	192
F10SS-125/15	150		426	416	384	351	310	248	209
F10SS-125/16	170		456	443	410	376	330	265	225
F10SS-125/17	170		488	473	440	400	352	286	240

OD for 10/10 combination of motor & pump

OD for 8/10 & 6/10 combination - 204mm (Single cable guard) 207mm (Double cable guard)

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

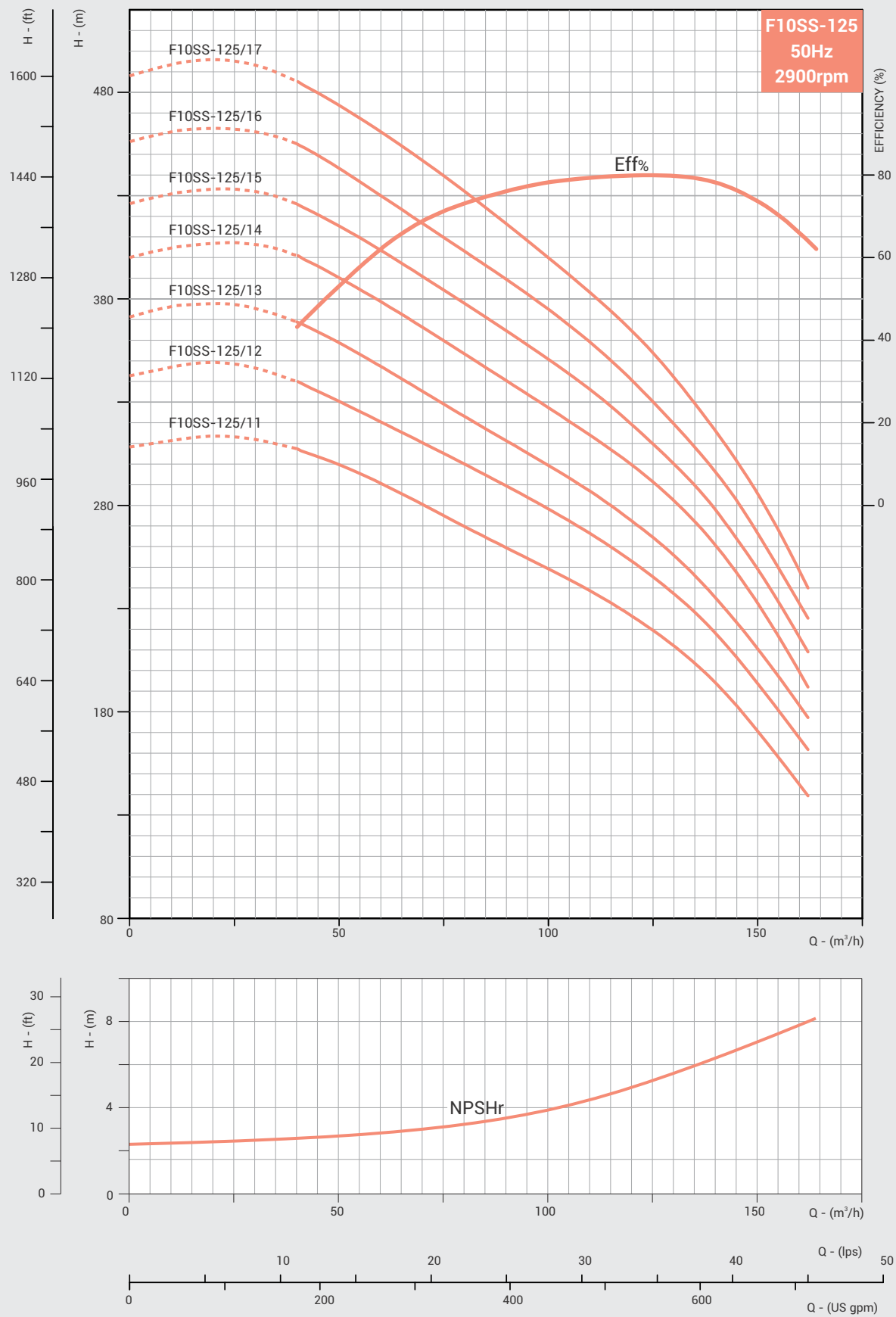
** In pump model last digit R denotes reduced impeller O.D and RR denotes further reduced impeller O.D.

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 10" STAINLESS STEEL SUBMERSIBLE PUMP

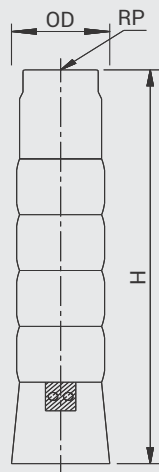


DIMENSIONS & WEIGHT - 10" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 10"

Nominal Flow : 160m³/h

Outlet Size : 6"



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		#OD	RP	H	
F10SS - 160/01R	9,3	12,5	1/2	225	150	646	30
F10SS - 160/01	13	18,5	1/2	225	150	646	30
F10SS - 160/02RR	18,5	25	1/2	225	150	802	36
F10SS - 160/02R	22	30	1/2	225	150	802	36
F10SS - 160/02	26	35	1/2	225	150	802	36
F10SS - 160/03RR	30	40	1/2	225	150	958	43
F10SS - 160/03R	37	50	1/2	225	150	958	43
F10SS - 160/03	37	50	1/2	225	150	958	43
F10SS - 160/04RR	45	60	1/2	225	150	1114	49
F10SS - 160/04R	45	60	1/2	225	150	1114	49
F10SS - 160/04	55	75	1/2	225	150	1114	49
F10SS - 160/05RR	55	75	1/2	225	150	1270	56
F10SS - 160/05R	55	75	1/2	225	150	1270	56
F10SS - 160/05	63	85	1/2	225	150	1270	56
F10SS - 160/06RR	63	85	1/2	225	150	1426	62
F10SS - 160/06R	75	100	1/2	225	150	1426	62
F10SS - 160/06	75	100	1/2	225	150	1426	62
F10SS - 160/07RR	75	100	1/2	225	150	1582	68
F10SS - 160/07R	93	125	1/2	225	150	1582	68
F10SS - 160/07	93	125	1/2	225	150	1582	68
F10SS - 160/08RR	93	125	1/2	225	150	1738	74
F10SS - 160/08R	93	125	1/2	225	150	1738	74
F10SS - 160/08	93	125	1/2	225	150	1738	74

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	13,89	22,24	33,36	44,48	55,6
		m ³ /hr	0	50	80	120	160	200
F10SS - 160/1R	9,3	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	25	22	20,5	17	13	6
F10SS - 160/1	13		33	30	26,5	23	20	14,5
F10SS - 160/2RR	18,5		48	44	39	34	27	14
F10SS - 160/2R	22		55	52	47	40	33	20,5
F10SS - 160/2	26		61	60	54	46	39	27
F10SS - 160/3RR	30		77	75	69	59	47	28
F10SS - 160/3R	37		87,5	84	76	65	55	36
F10SS - 160/3	37		95,5	91	80,5	70	60	41
F10SS - 160/4RR	45		111	106	96	83	70	44
F10SS - 160/4R	45		117	114	103	88,5	76	50
F10SS - 160/4	55		124,5	120	110	95	80	59
F10SS - 160/5RR	55		140	186	123	107	90	59,5
F10SS - 160/5R	55		148	144	129	111	95	64
F10SS - 160/5	63		155	150	136,5	118	100	71
F10SS - 160/6RR	63		169	163	150	129	108,5	72
F10SS - 160/6R	75		177	170	155	135	113	76
F10SS - 160/6	75		186	180	165	142	119	84
F10SS - 160/7RR	75		200	193	177	153	127	86
F10SS - 160/7R	93		208	203	184	159	136	92
F10SS - 160/7	93		220	209	188,5	163	138	96
F10SS - 160/8RR	93		230	223	203	175	147	97
F10SS - 160/8R	93		240	231	209	180	153	104
F10SS - 160/8	93		247,5	239	216	188,5	156,5	108

OD for 10/10 combination of motor & pump

OD for 8/10 & 6/10 combination - 208mm (Single cable guard) 211mm (Double cable guard)

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

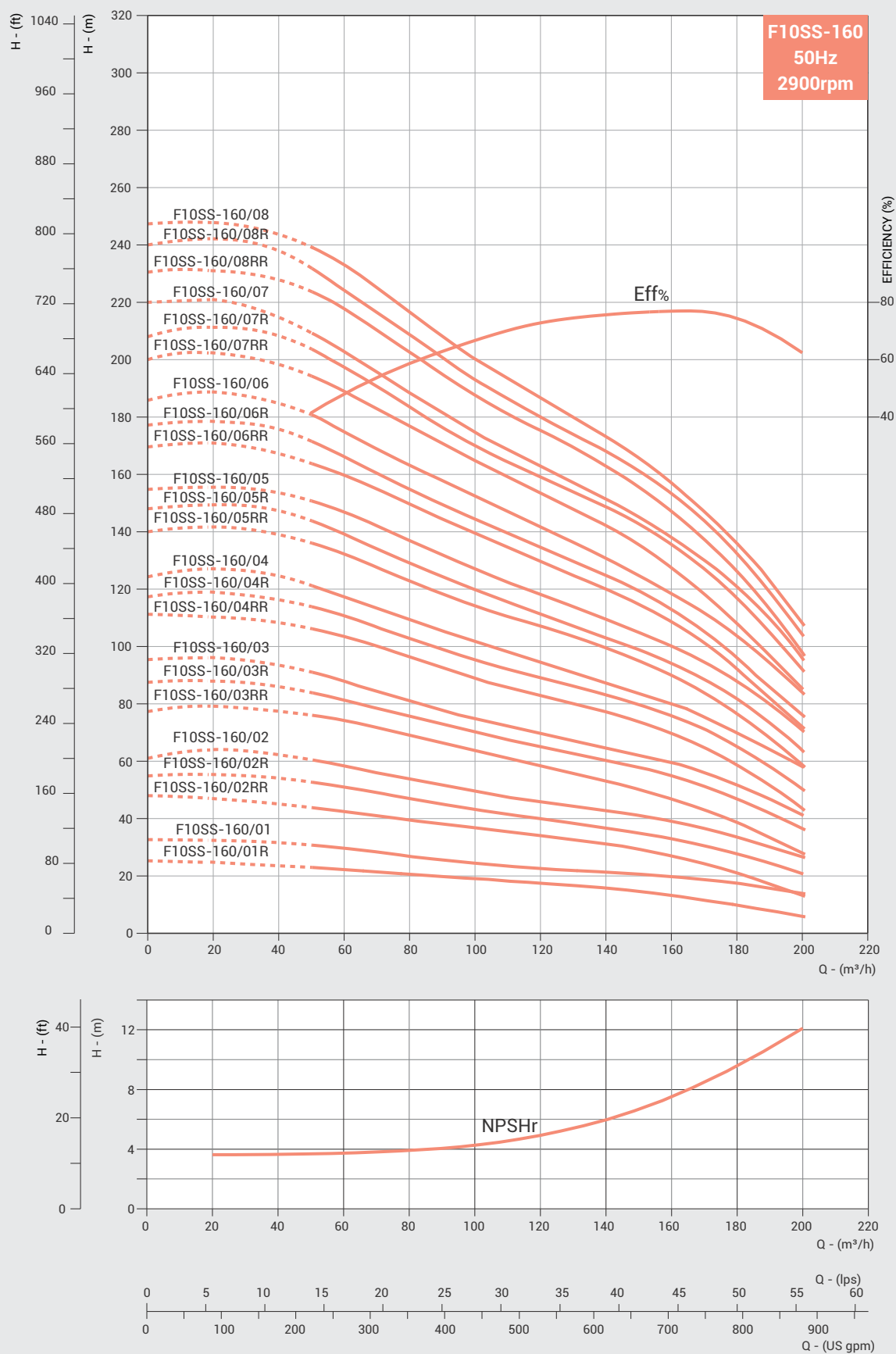
** In pump model last digit R denotes reduced impeller O.D and RR denotes further reduced impeller O.D.

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 10" STAINLESS STEEL SUBMERSIBLE PUMP

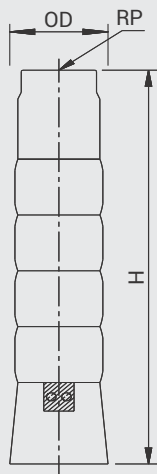


DIMENSIONS & WEIGHT - 10" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 10"

Nominal Flow : 160m³/h

Outlet Size : 6"



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP		#OD	RP	H	
F10SS - 160/09RR	110	150	1/2	225	150	1894	83
F10SS - 160/09R	110	150	1/2	225	150	1894	83
F10SS - 160/09	110	150	1/2	225	150	1894	83
F10SS - 160/10RR	110	150	1/2	225	150	2050	90
F10SS - 160/10R	132	175	1/2	225	150	2050	90
F10SS - 160/10	132	175	1/2	225	150	2050	90
F10SS - 160/11	132	175	1/2	225	150	2206	96
F10SS - 160/12	150	200	1/2	225	150	2362	107
F10SS - 160/13	170	225	1/2	225	150	2518	113
F10SS - 160/14	170	225	1/2	225	150	2674	119
F10SS - 160/15	187	250	1/2	225	150	2830	125

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	13,89	22,24	33,36	44,48	55,6
		m ³ /hr	0	50	80	120	160	200
F10SS - 160/9RR	110	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	255	251	229	193	160	105
F10SS - 160/9R	110		265	263	238	200	167	112
F10SS - 160/9	110		275	273	249	207	176	120
F10SS - 160/10RR	110		294	283	260	218	185	178
F10SS - 160/10R	132		304	289	270	228	195	138
F10SS - 160/10	132		310	300	280	233	200	140
F10SS - 160/11	132		333	328	309	255	220	156
F10SS - 160/12	150		360	358	338	279	235	173
F10SS - 160/13	170		392	389	362	304	255	190
F10SS - 160/14	170		423	418	389	324	274	208
F10SS - 160/15	187		453	450	419	350	292	220

OD for 10/10 combination of motor & pump

OD for 8/10 & 6/10 combination - 208mm (Single cable guard) 211mm (Double cable guard)

* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

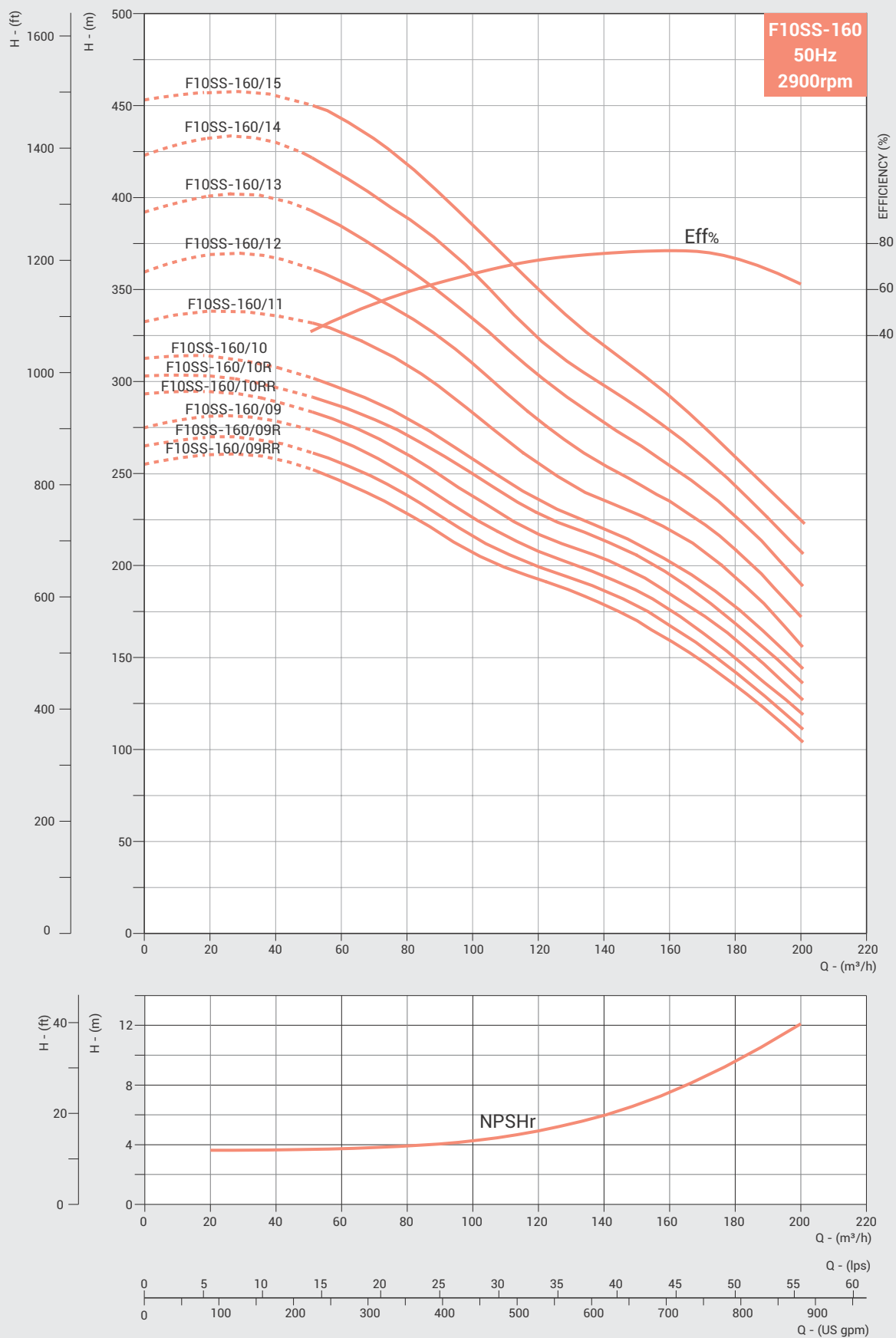
** In pump model last digit R denotes reduced impeller O.D and RR denotes further reduced impeller O.D.

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 10" STAINLESS STEEL SUBMERSIBLE PUMP

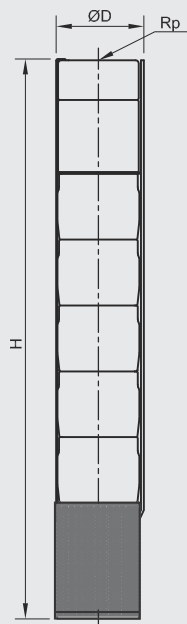


DIMENSIONS & WEIGHT - 10" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 10"

Nominal Flow : 215m³/h

Outlet Size : 6"



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)				APPROX NETT. WEIGHT (kg)
	kW	HP		OD	#OD	RP	H	
F10SS - 215/1R	15	20	1/2	247	255	150	794	47
F10SS - 215/1	18,5	25	1/2	247	255	150	794	47
F10SS - 215/2RR	30	40	1/2	247	255	150	670	60
F10SS - 215/2R	37	50	1/2	247	255	150	670	60
F10SS - 215/2	45	60	1/2	247	255	150	670	60
F10SS - 215/3RR	55	75	1/2	247	255	150	1146	80
F10SS - 215/3R	55	75	1/2	247	255	150	1146	80
F10SS - 215/3	63	85	1/2	247	255	150	1146	80
F10SS - 215/4RR	75	100	1/2	247	255	150	1322	92
F10SS - 215/4R	75	100	1/2	247	255	150	1322	92
F10SS - 215/4	75	100	1/2	247	255	150	1322	92
F10SS - 215/5RR	93	125	1/2	247	255	150	1498	105
F10SS - 215/5R	93	125	1/2	247	255	150	1498	105
F10SS - 215/5	93	125	1/2	247	255	150	1498	105
F10SS - 215/6RR	110	150	1/2	247	255	150	1674	117
F10SS - 215/6R	110	150	1/2	247	255	150	1674	117
F10SS - 215/6	110	150	1/2	247	255	150	1674	117

PERFORMANCE TABLE

PUMP MODEL	MOTOR POWER		lps	0	13,89	27,78	41,67	55,56	59,72	69,44	77,78
	kW	HP	m ³ /h	0	50	100	150	200	215	250	280
F10SS - 215/1R	15	20	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	26	25	23	19	15	13	7	4
F10SS - 215/1	18,5	25		38	36	32	27	23,5	22	16,5	10,5
F10SS - 215/2RR	30	40		53	52	49	42	35	31	21	11
F10SS - 215/2R	37	50		64	61	55	49	42	40	30	18
F10SS - 215/2	45	60		82	76	68	58	50	48	41	29,50
F10SS - 215/3RR	55	75		90	88	80	71	61	58	43	24
F10SS - 215/3R	55	75		101	97	88	76	66	63	49	33
F10SS - 215/3	63	85		120	112	102	87	74	70	56	32
F10SS - 215/4RR	75	100		127	125	114	101	86	81	64	40
F10SS - 215/4R	75	100		138	134	121	106	92	87	70	48
F10SS - 215/4	75	100		156	147	137	120	102	97	80	52
F10SS - 215/5RR	93	125		165	161	146	129	111	105	83	55
F10SS - 215/5R	93	125		175	170	153	134	118	110	89	63
F10SS - 215/5	93	125		196	185	172	150	128	123	100	69
F10SS - 215/6RR	110	150		201	196	178	156	136	128	101	70
F10SS - 215/6R	110	150		212	206	186	163	141	134	109	78
F10SS - 215/6	110	150		225	218	195	170	148	140	115	86

OD for 8/10 & 6/10 combination - 208mm (Single cable guard) 211mm (Double cable guard)

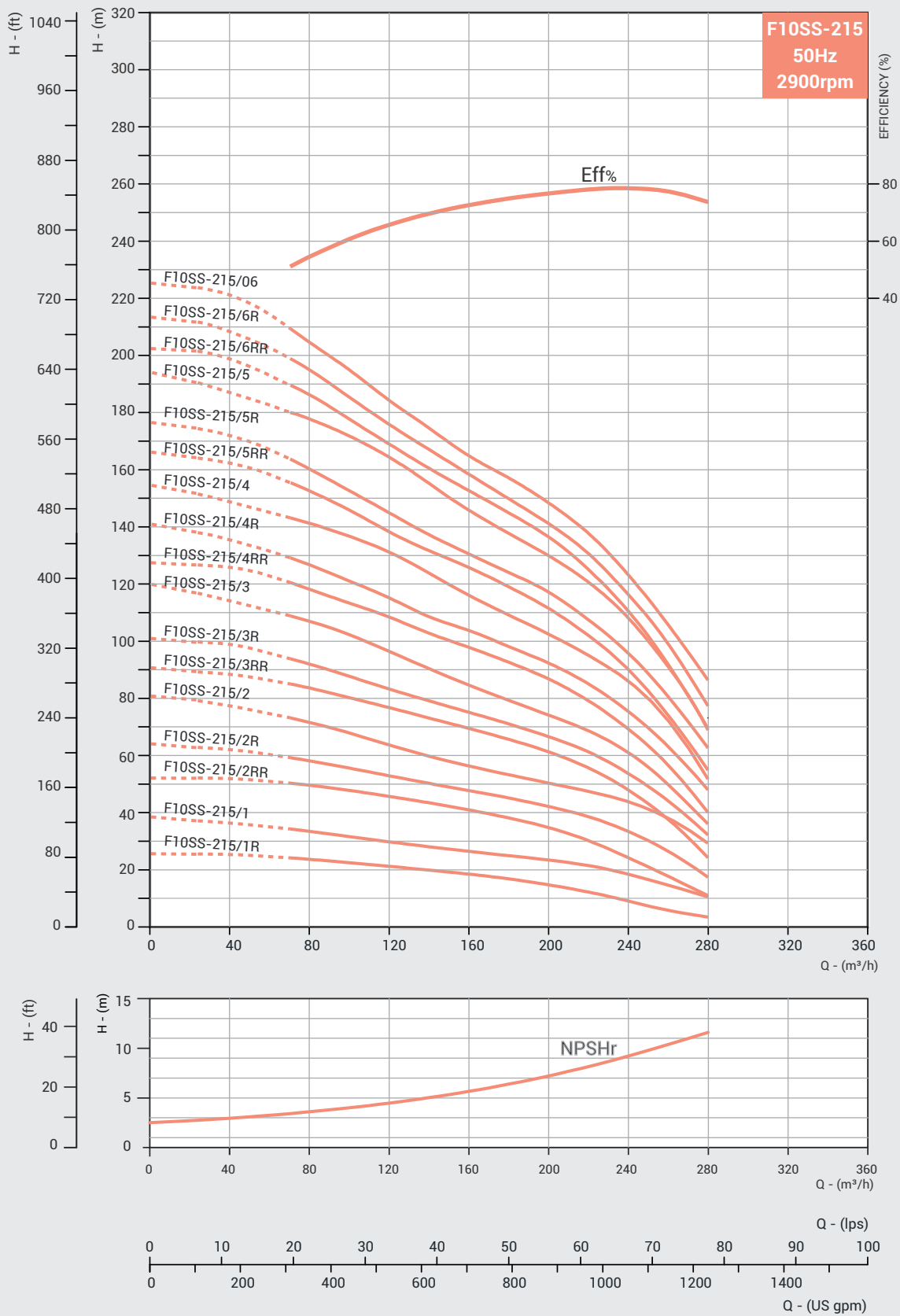
* 1 denotes Single Cable Guard (D.O.L - 3 wire) and 2 denotes Double Cable Guard (S.D - 6 wire). Please specify preference, while placing order.

Available types of materials of construction : S (S.S.-304) and N (S.S.-316). In case of M.O.C Type - N the fourth digit of the pump model "S" will be replaced with "N".

The given performance ranges are same for Type - S & N.

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES - 10" STAINLESS STEEL SUBMERSIBLE PUMP

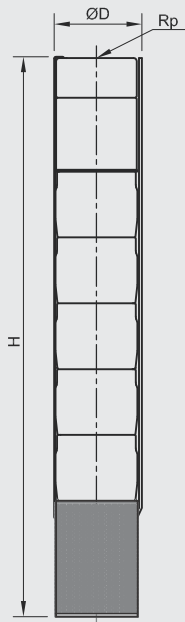


DIMENSIONS & WEIGHT - 10" STAINLESS STEEL SUBMERSIBLE PUMP

Nominal Diameter : 10"

Nominal Flow : 215m³/h

Outlet Size : 6"



PUMP MODEL	REQUIRED MOTOR POWER		*NO OF CABLE GUARD	DIMENSIONS (mm)				APPROX NETT. WEIGHT (kg)
	kW	HP		OD	#OD	RP	H	
F10SS - 215/7RR	130	175	1/2	247	255	150	1850	130
F10SS - 215/7R	130	175	1/2	247	255	150	1850	130
F10SS - 215/7	130	175	1/2	247	255	150	1850	130
F10SS - 215/8RR	150	200	1/2	247	255	150	2026	142
F10SS - 215/8R	150	200	1/2	247	255	150	2026	142
F10SS - 215/8	150	200	1/2	247	255	150	2026	142
F10SS - 215/9RR	170	225	1/2	247	255	150	2202	155
F10SS - 215/9R	170	225	1/2	247	255	150	2202	155
F10SS - 215/9	170	225	1/2	247	255	150	2202	155
F10SS - 215/10RR	187	250	1/2	247	255	150	2378	167
F10SS - 215/10R	187	250	1/2	247	255	150	2378	167
F10SS - 215/10	187	250	1/2	247	255	150	2378	167
F10SS - 215/11	220	300	1/2	247	255	150	2554	180

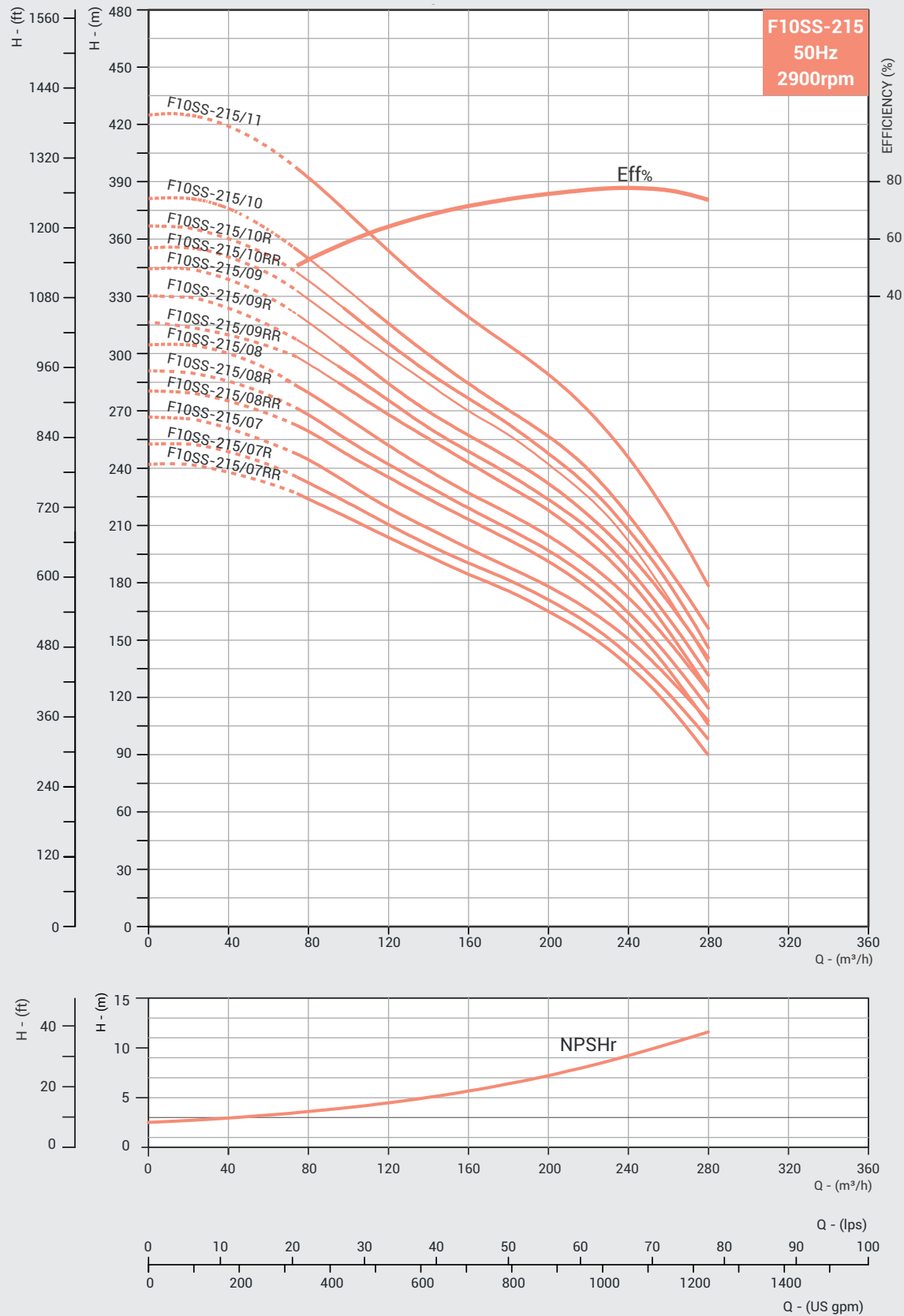
PERFORMANCE TABLE

PUMP MODEL	MOTOR POWER		lps	0	13,89	27,78	41,67	55,56	59,72	69,44	77,78
	kW	HP	m ³ /h	0	50	100	150	200	215	250	280
F10SS - 215/7RR	130	175	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	242	236	214	189	165	156	126	90
F10SS - 215/7R	130	175		252	246	222	195	171	162	33	99
F10SS - 215/7	130	175		267	258	232	203	178	169	140	107
F10SS - 215/8RR	150	200		281	273	248	218	191	181	148	106
F10SS - 215/8R	150	200		286	282	255	225	197	186	153	114
F10SS - 215/8	150	200		308	295	265	232	204	194	161	12.4
F10SS - 215/9RR	170	225		319	311	281	249	218	206	169	124
F10SS - 215/9R	170	225		330	321	290	255	224	213	175	132
F10SS - 215/9	170	225		344	335	300	263	231	219	183	140
F10SS - 215/10RR	187	250		355	346	314	277	242	230	183	138
F10SS - 215/10R	187	250		367	356	322	283	248	235	195	146
F10SS - 215/10	187	250		381	370	338	291	256	245	201	156
F10SS - 215/11	220	300		425	414	373	327	290	275	230	179

Refer General Information for performance curve conditions and for other details.

Curve tolerance according to ISO : 9906, Grade - 3B

PERFORMANCE CURVES - 10" STAINLESS STEEL SUBMERSIBLE PUMP



Submersible Pumps

Hydra Series - Thermo Plastic Floating Impellers





Submersible Pumps

Hydra Series
50 HZ

DESCRIPTION

ZIRANTEC Hydra series submersible pumps are built with thermoplastic impellers, diffusers and inbuilt check valve. All vital components of these pumps are made of corrosive resistance thermoplastic and the shaft is of AISI 304 / 33. Pumps are multistage centrifugal type. The optimal design of impellers and diffusers enables the best possible hydraulic efficiency.

The pumps is firmly coupled with electric motor which operates submerged beneath the surface of water. Built in check valve prevents backflow and reduces the risk of water hammer. All mounting dimensions of pumps are in accordance with NEMA standard.

FEATURES

- Residential
- Irrigation
- Civil Water Supply
- Fountains
- Industrial and Rural Water Supply
- Fire Fighting
- Pressure Boosting Units | Gardens | Sprinkler Systems

APPLICATIONS

- Best operating efficiency
- Floating Impeller design to handle sand
- S.S. 304/Ceramic top bearing
- Highly durable
- Can be easily dismantled and repaired
- Can handle more upthrust loads
- Wearing ring in diffuser for long life.

PUMPED LIQUIDS

Clean, thin, non-aggressive, non explosive, clear, cold, fresh water without abrasives, solid particles or fibre having the following characteristics

- a) Temperature (max) 33 °C (max.)
- b) Permissible amount of sand 3" - 25g/m³
- c) Chlorine ion density 500 ppm (max.)
- d) Allowable solids 3000 ppm (max.)
- e) Specific gravity 1,004 (max.)
- f) Hardness (Drinking water) 300 (max.)
- g) Viscosity 1,75 x 10⁻⁶m²/sec (max.)
- h) Turbidity 50 ppm silica scale(max.)
- i) pH 6,5 to 8,5

PUMP OPERATING LIMITATIONS		
Nominal Diameter		4"(100mm)
Power Range		0,37 - 7,5 kW
Speed		2900 rpm
Discharge Range	m ³ /h	0,75 - 24
	lps	0,20 - 6,66
Total head range	m	4,0 - 250
	ft	13,0 - 820
Outlet size in inches		1 ¼, 1 ½ & 2

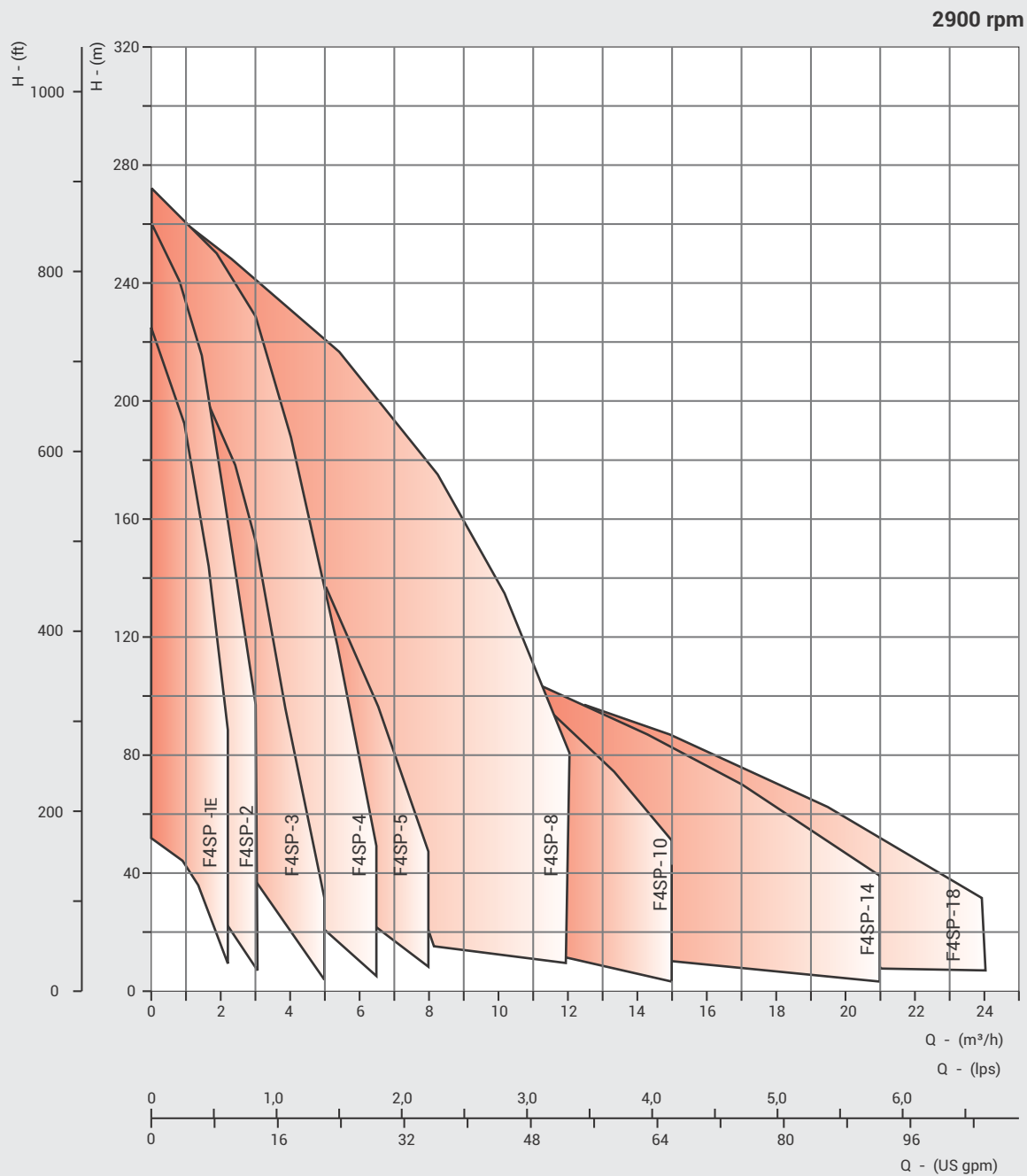
Maximum temperature of Pumped liquid

Motor	Minimum cooling flow along the motor	Vertical installation	Horizontal installation (minimum 30°angle)
4"	0,15 m/s	40°C / 45°C	40°C / 45°C

MAXIMUM OPERATING PRESSURE

4" Submersible pump	2,5 Mpa (25 bar)
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HYDRAULIC GROUP PERFORMANCE CURVES - 4" (Floating Impeller Model)



In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

MATERIAL OF CONSTRUCTION

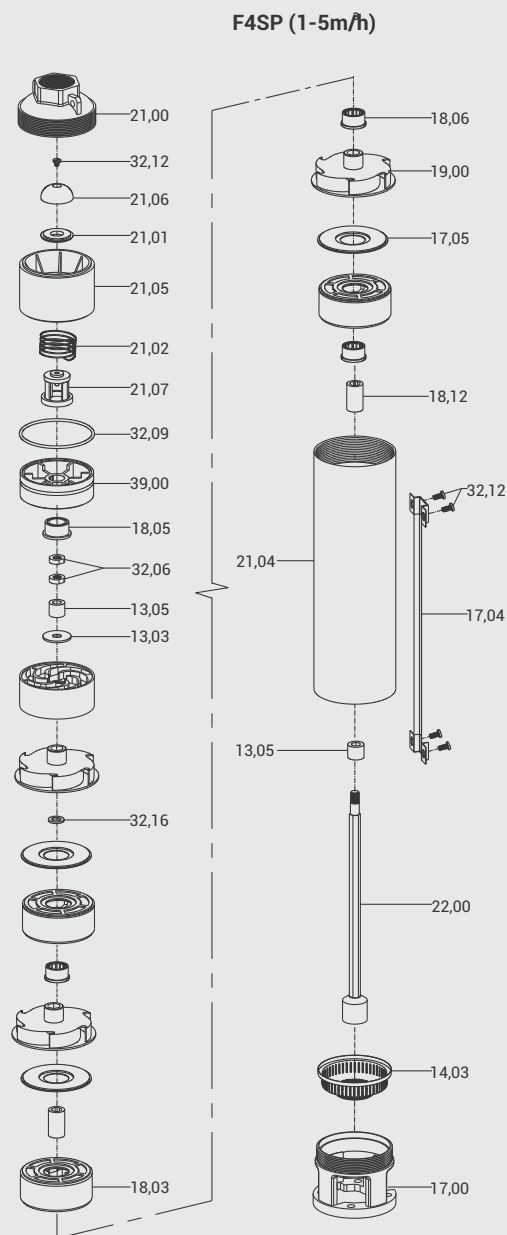
PART NAME	PART No.	NOMINAL DIA. 4"
		TYPE - P
Check Valve Housing	21,00	S.S. - 304
Check Valve	21,07	DELFIN
Check Valve Seat	21,01	NBR
Outer Shell	21,04	S.S. - 304
Impeller	19,00	NORYL*/ DELFIN/ LEXAN**
Diffuser Chamber	18,03	NORYL*/ LEXAN**
Stop Ring	13,03	HYLEM
Intermediate Bearing (Sleeve / Bush)	18,06	S.S. - 304 / NBR BRONZE
Suction Inter Connector	17,00	S.S. - 304
Inlet Screen	14,03	S.S. - 304
Pump Shaft Hexagonal	22,00	S.S. - 431
Cable Guard	17,04	S.S. - 304
*Coupling Splines	--	S.S. - 329

*Friction welded with shaft

DELFIN is Registered Trade Mark of Dupont.

*NORYL and **LEXAN are Registered Trade Mark of G.E Plastics.

EXPLODED VIEW



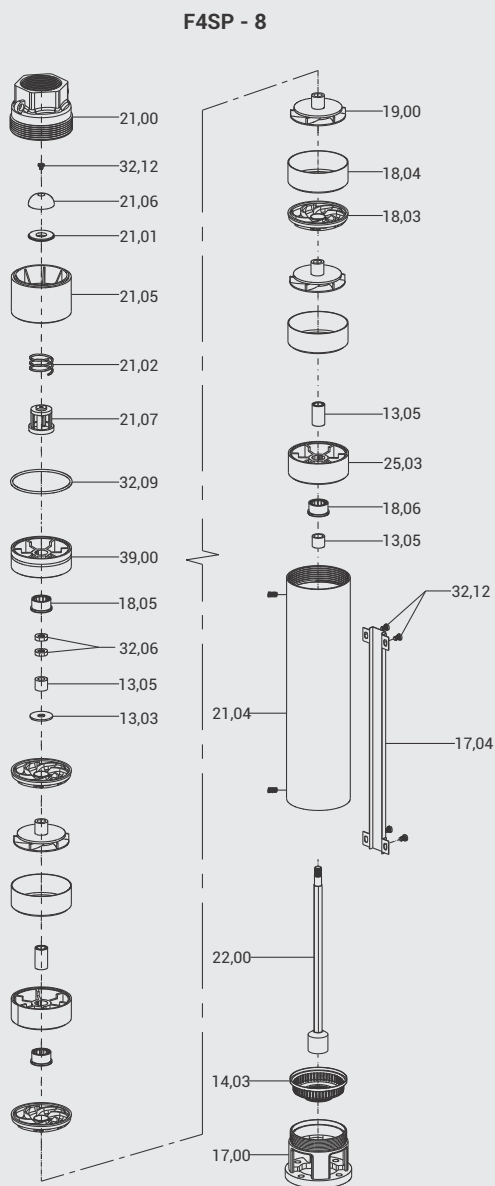
PART NO.	PART NAME
13,03	Upthrust Washer / Stop Ring
13,05	Sleeve
14,03	Inlet Screen
17,00	Suction Inter-Connector
17,04	Cable Guard
17,05	Diffuser Plate
18,03	Diffuser Chamber
18,05	Bush - CT Pad

PART NO.	PART NAME
18,06	Bush-Diffuser Chamber
18,12	Spacer Sleeve
19,00	Impeller
21,00	Check Valve Housing
21,01	Check Valve Seat
21,02	Check Valve Spring
21,04	Outer Shell
21,05	Check Valve Bracket

PART NO.	PART NAME
21,06	Check Valve Disc
21,07	Check valve
22,00	Pump Shaft with Coupling
32,06	Lock Nut
32,09	O-Ring
32,12	Screw
32,16	Washer
39,00	Chamber-Bracket

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EXPLODED VIEW



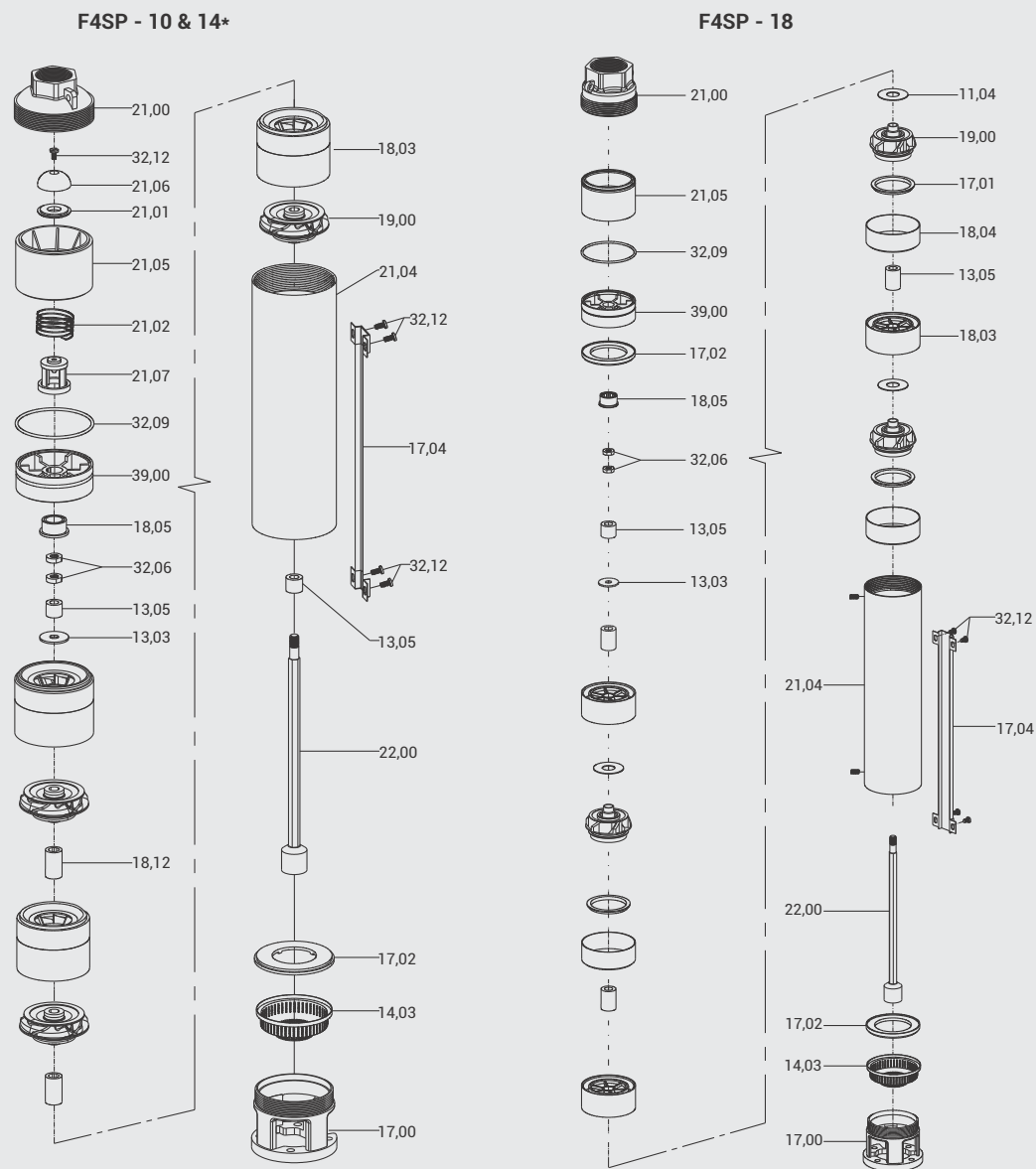
PART NO.	PART NAME
13,03	upthrust Washer / Stop Ring
13,05	Spacer Sleeve
14,03	Inlet Screen
17,00	Suction Inter-connector
17,04	Cable Guard
18,03	Diffuser
18,04	Chamber
18,05	Bush - CT Pad

PART NO.	PART NAME
18,06	Bush-Diffuser Chamber
19,00	Impeller
21,00	Check Valve Housing
21,01	Check Valve Seat
21,02	Check Valve Spring
21,04	Outer Shell
21,05	Check Valve Bracket
21,06	Check Valve Disc

PART NO.	PART NAME
21,07	Check Valve
22,00	Pump Shaft with Coupling
39,00	Chamber-Bracket
32,06	Lock Nut
32,09	O-Ring
32,12	Screw
32,16	Washer

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

EXPLODED VIEW



PART NO.	PART NAME
11,04	Thrust Pad
13,01	Bush - CT Pad
13,03	Upthrust Washer / Stop Ring
13,05	Sleeve
14,03	Inlet Screen
17,00	Suction Inter-Connector
17,01	Wear ring / Seal
17,02	Suction Inter-Connector plate
17,04	Cable Guard

PART NO.	PART NAME
18,03	Diffuser Chamber
18,04	Chamber
18,05	Bush-Diffuser Chamber
18,12	Spacer Sleeve
19,00	Impeller
21,00	Check Valve Housing
21,01	Check Valve Seat
21,02	Check Valve Spring
21,04	Outer Shell

PART NO.	PART NAME
21,05	Check Valve Bracket
21,06	Check Valve Disc
21,07	Check Valve
22,00	Pump Shaft with Coupling
39,00	Chabmer Bracket
32,06	Lock Nut
32,09	O-Ring
32,12	Screw
32,16	Washer

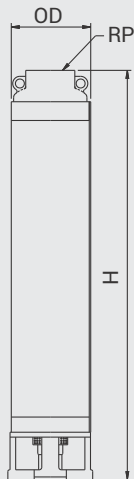
In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

DIMENSIONS & WEIGHT 4" HYDRA SERIES

Nominal Diameter : 4"

Nominal Flow : 1,5m³/h

Outlet Size : 1 1/4"



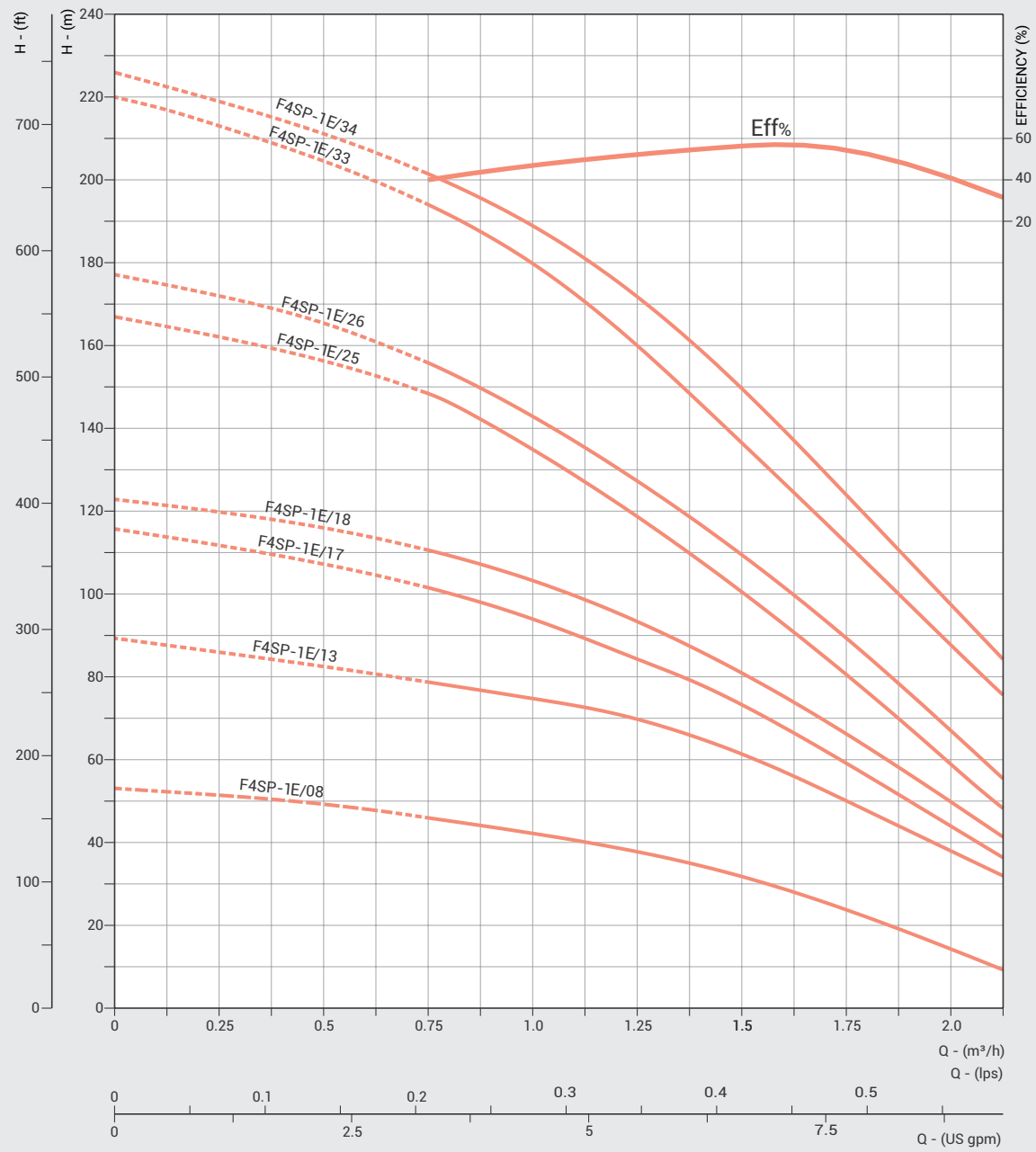
PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	#OD	RP	H	
F4SP-1E/08	0,37	0,5	98	32	414	3,3
F4SP-1E/13	0,55	0,75	98	32	524	4,2
F4SP-1E/17	0,75	1	98	32	654	5,0
F4SP-1E/18	0,75	1	98	32	679	5,3
F4SP-1E/25	1,1	1,5	98	32	860	8,8
F4SP-1E/26	1,1	1,5	98	32	882	9,0
F4SP-1E/33	1,5	2	98	32	1036	11,6
F4SP-1E/34	1,5	2	98	32	1058	12,0

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps m ³ /h	0	0,20	0,27	0,34	0,41	0,48	0,55
			0	0,75	1,0	1,25	1,50	1,75	2,0
F4SP-1E/08	0,37	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	54	46	42	38	32	24	15
F4SP-1E/13	0,55		89	78	75	70	61	50	38
F4SP-1E/17	0,75		116	101	94	84	73	59	43
F4SP-1E/18	0,75		122	111	102	93	81	67	49
F4SP-1E/25	1,1		166	148	135	118	101	81	59
F4SP-1E/26	1,1		177	156	143	127	109	89	68
F4SP-1E/33	1,5		220	199	179	160	136	112	88
F4SP-1E/34	1,5		226	202	188	172	149	124	98

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES 4" HYDRA SERIES



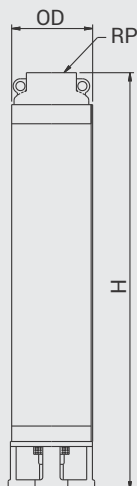
Refer General Information for performance curve conditions and for more details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT 4" HYDRA SERIES

Nominal Diameter : 4"

Nominal Flow : 2m³/h

Outlet Size : 1½"



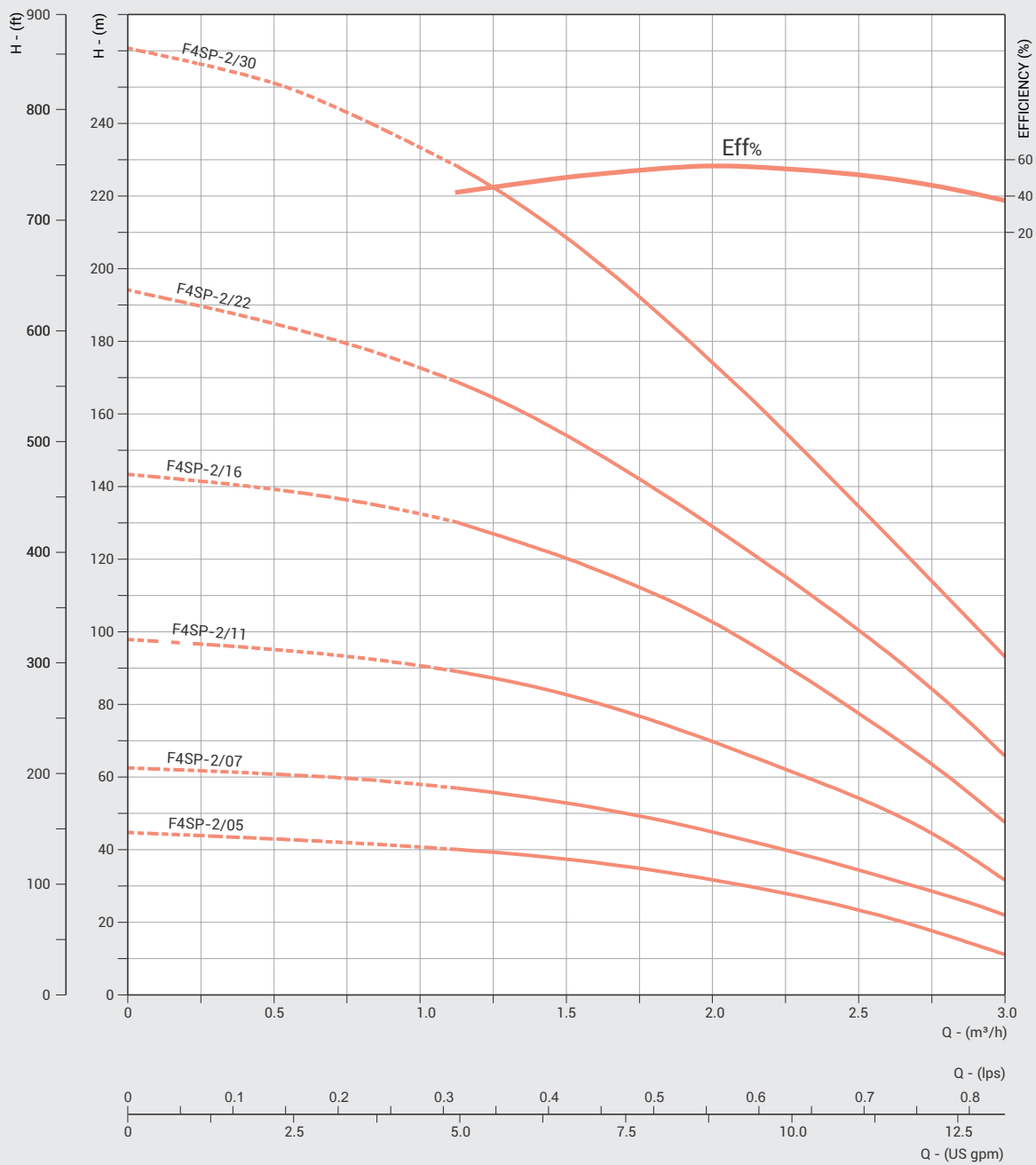
PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT, WEIGHT (kg)
	kW	HP	OD	RP	H	
F4SP-2/05	0,37	0,5	98	32	354	2,8
F4SP-2/07	0,55	0,75	98	32	400	3,1
F4SP-2/11	0,75	1	98	32	493	3,8
F4SP-2/16	1,1	1,5	98	32	651	6,5
F4SP-2/22	1,5	2	98	32	790	7,7
F4SP-2/30	2,2	3	98	32	1006	10,5

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps m ³ /h	0	0,27	0,41	0,55	0,69	0,83
			0	1,0	1,5	2,0	2,5	3,0
F4SP-2/05	0,37	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	44	40	38	31	25	13
F4SP-2/07	0,55		62	59	52	45	34	22
F4SP-2/11	0,75		98	90	82	70	53	35
F4SP-2/16	1,1		143	131	119	100	78	48
F4SP-2/22	1,5		194	172	153	129	100	65
F4SP-2/30	2,2		260	232	209	172	135	92

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES 4" HYDRA SERIES



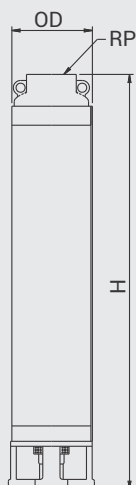
Refer General Information for performance curve conditions and for more details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT 4" HYDRA SERIES

Nominal Diameter : 4"

Nominal Flow : 3m³/h

Outlet Size : 1 1/4"



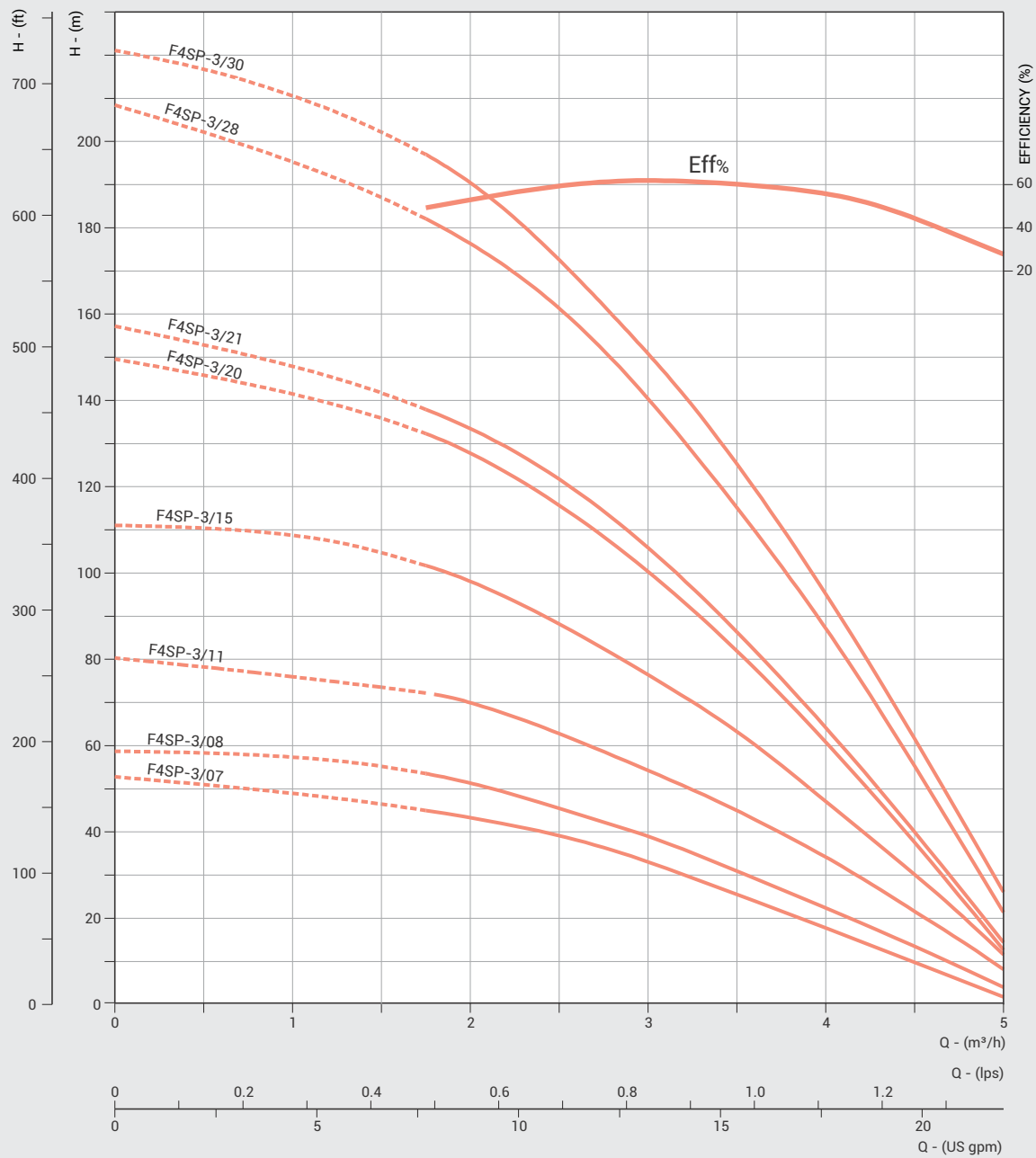
PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	OD	RP	H	
F4SP-3/07	0,55	0,75	98	32	426	2,8
F4SP-3/08	0,55	0,75	98	32	453	3,4
F4SP-3/11	0,75	1	98	32	533	3,9
F4SP-3/15	1,1	1,5	98	32	671	4,9
F4SP-3/20	1,5	2	98	32	818	7,9
F4SP-3/21	1,5	2	98	32	844	8,2
F4SP-3/28	2,2	3	98	32	1063	10,9
F4SP-3/30	2,2	3	98	32	1117	11,7

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	0,55	0,69	0,83	0,97	1,11	1,25
		m ³ /h	0	2,0	2,5	3,0	3,5	4,0	4,5
F4SP-3/07	0,55	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	52	42	38	33	26	18	10
F4SP-3/08	0,55		59	52	45	39	31	22	13
F4SP-3/11	0,75		80	70	62	54	45	34	22
F4SP-3/15	1,1		111	98	88	77	63	48	30
F4SP-3/20	1,5		150	128	116	101	82	61	38
F4SP-3/21	1,5		157	133	121	107	86	63	40
F4SP-3/28	2,2		208	177	161	141	115	88	55
F4SP-3/30	2,2		221	190	172	151	125	96	62

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES 4" HYDRA SERIES



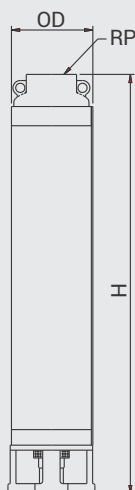
Refer General Information for performance curve conditions and for more details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT 4" HYDRA SERIES

Nominal Diameter : 4"

Nominal Flow : 4m³/h

Outlet Size : 1½"



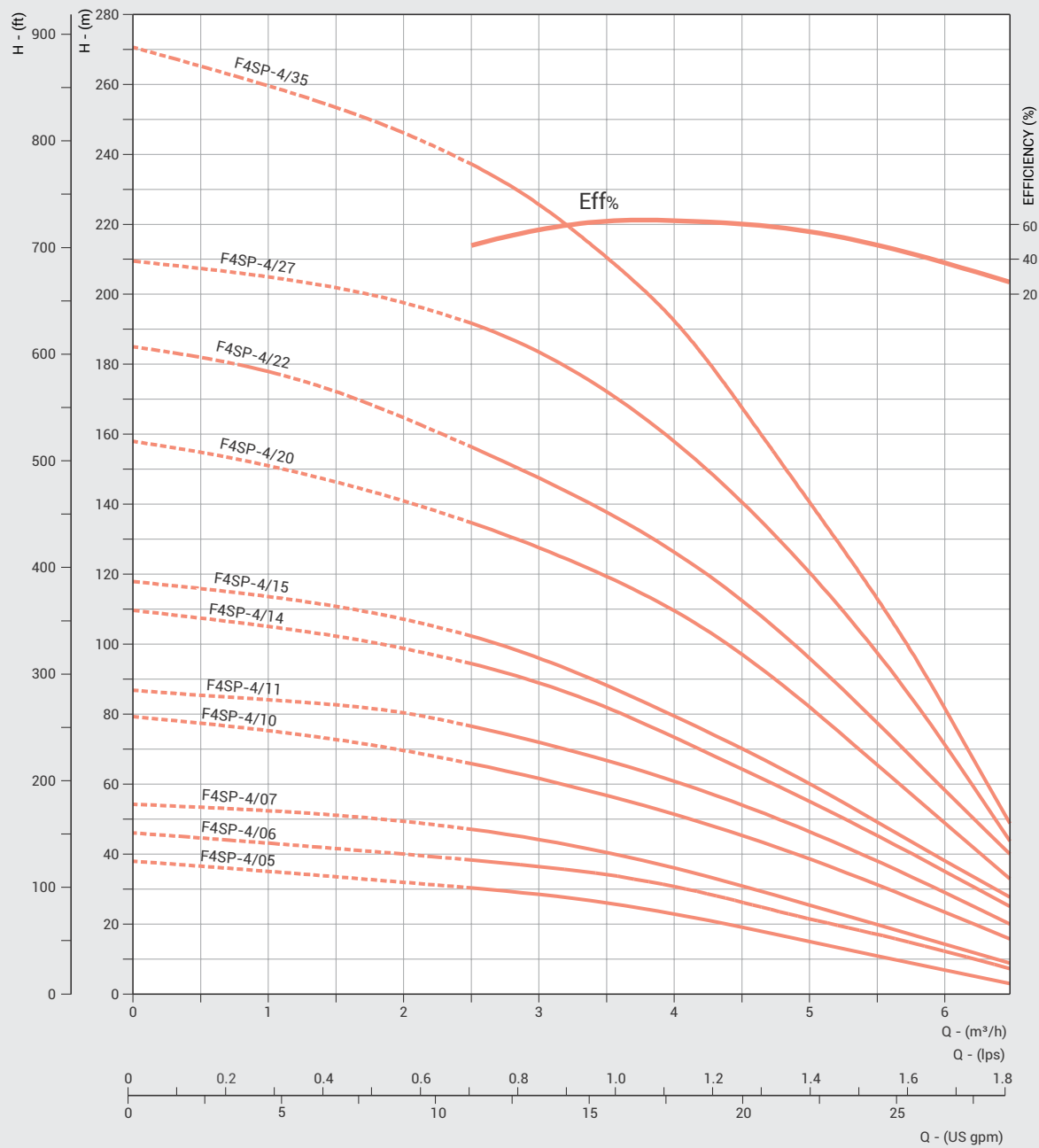
PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	OD	RP	H	
F4SP-4/05	0,55	0,75	98	32	383	1,9
F4SP-4/06	0,55	0,75	98	32	412	2,4
F4SP-4/07	0,75	1	98	32	441	3,3
F4SP-4/10	1,1	1,5	98	32	528	4,0
F4SP-4/11	1,1	1,5	98	32	557	4,4
F4SP-4/14	1,5	2	98	32	674	5,6
F4SP-4/15	1,5	2	98	32	703	6,0
F4SP-4/20	2,2	3	98	32	860	8,0
F4SP-4/22	2,2	3	98	32	918	8,8
F4SP-4/27	3	4	98	32	1093	10,8
F4SP-4/35	3,7	5	98	32	1325	14,0

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps m ³ /h	0	0,55	0,83	1,11	1,39	1,66	1,80
			0	2	3	4	5	6	6,5
F4SP-4/05	0,55	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	38	32	28	22	15	8	4
F4SP-4/06	0,55		46	40	37	31	21	12	8
F4SP-4/07	0,75		54	49	44	37	25	14	9
F4SP-4/10	1,1		79	69	62	51	39	22	16
F4SP-4/11	1,1		86	77	72	61	47	29	20
F4SP-4/14	1,5		110	99	89	73	55	35	26
F4SP-4/15	1,5		118	108	96	79	60	38	28
F4SP-4/20	2,2		158	141	128	110	82	49	34
F4SP-4/22	2,2		185	165	148	128	98	58	40
F4SP-4/27	3		210	198	183	159	120	71	44
F4SP-4/35	3,7		270	248	228	192	140	81	49

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES 4" HYDRA SERIES



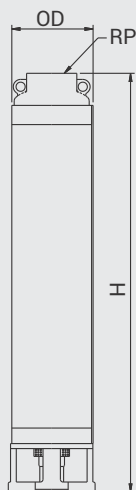
Refer General Information for performance curve conditions and for more details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT 4" HYDRA SERIES

Nominal Diameter : 4"

Nominal Flow : 5m³/h

Outlet Size : 1½"



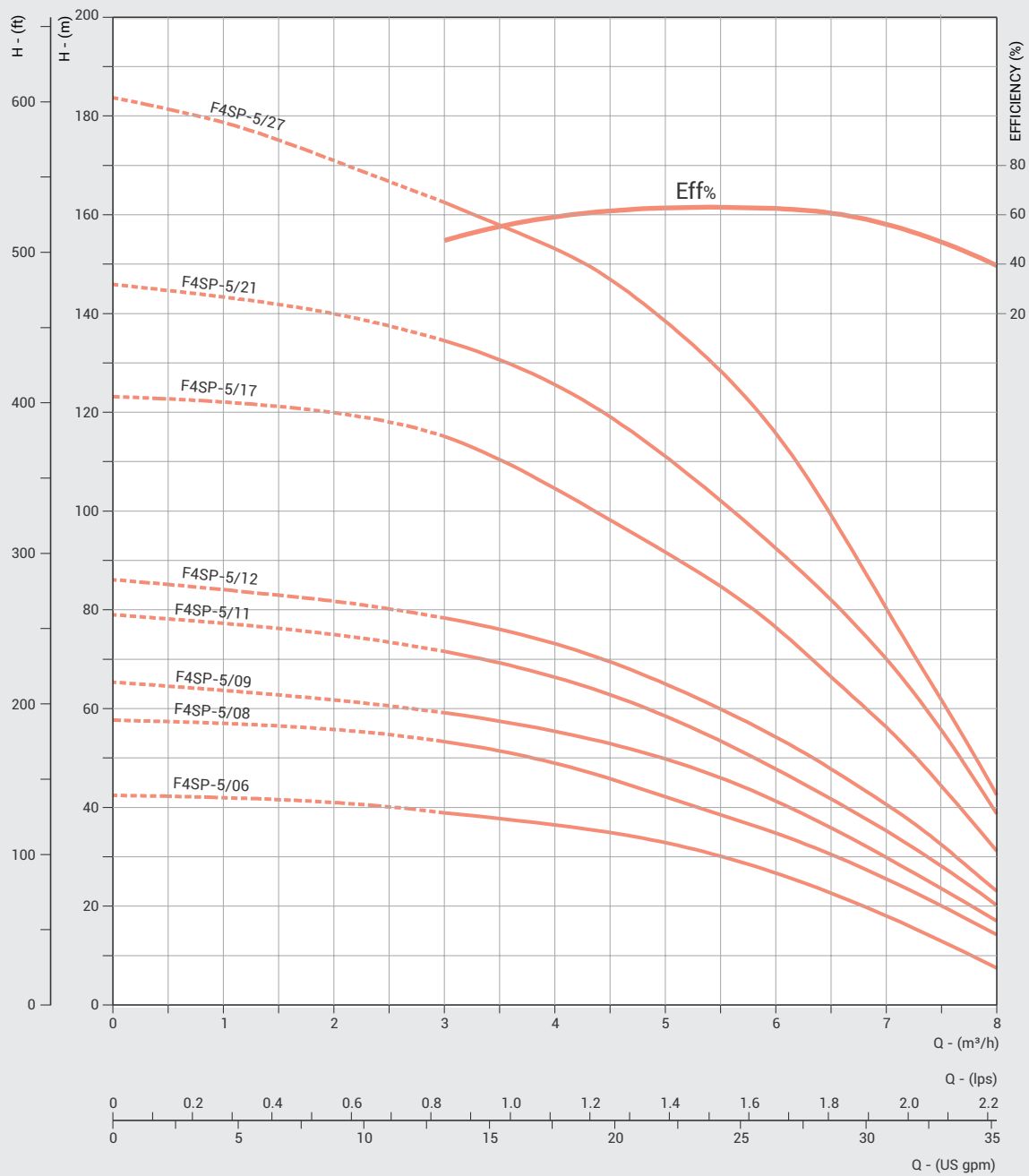
PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	OD	RP	H	
F4SP-5/06	0,75	1	98	40	459	3,4
F4SP-5/08	1,1	1,5	98	40	533	3,0
F4SP-5/09	1,1	1,5	98	40	570	3,5
F4SP-5/11	1,5	2	98	40	643	4,3
F4SP-5/12	1,5	2	98	40	680	4,8
F4SP-5/17	2,2	3	98	40	907	6,6
F4SP-5/21	3,0	4	98	40	1054	8,2
F4SP-5/27	3,7	5	98	40	1306	10,5

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps m ³ /h	0	0,83	1,11	1,39	1,66	1,94	2,22
			0	3	4	5	6	7	8
F4SP-5/06	0,75	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	42	39	37	32	27	18	9
F4SP-5/08	1,1		58	53	49	42	34	25	15
F4SP-5/09	1,1		65	59	55	50	41	31	17
F4SP-5/11	1,5		79	72	67	58	48	35	20
F4SP-5/12	1,5		86	78	73	65	55	42	25
F4SP-5/17	2,2		123	115	105	91	76	57	31
F4SP-5/21	3,0		145	135	126	111	92	70	39
F4SP-5/27	3,7		184	163	158	138	116	80	42

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES 4" HYDRA SERIES



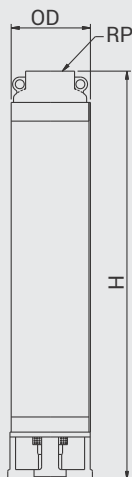
Refer General Information for performance curve conditions and for more details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT 4" HYDRA SERIES

Nominal Diameter : 4"

Nominal Flow : 8m³/h

Outlet Size : 2"



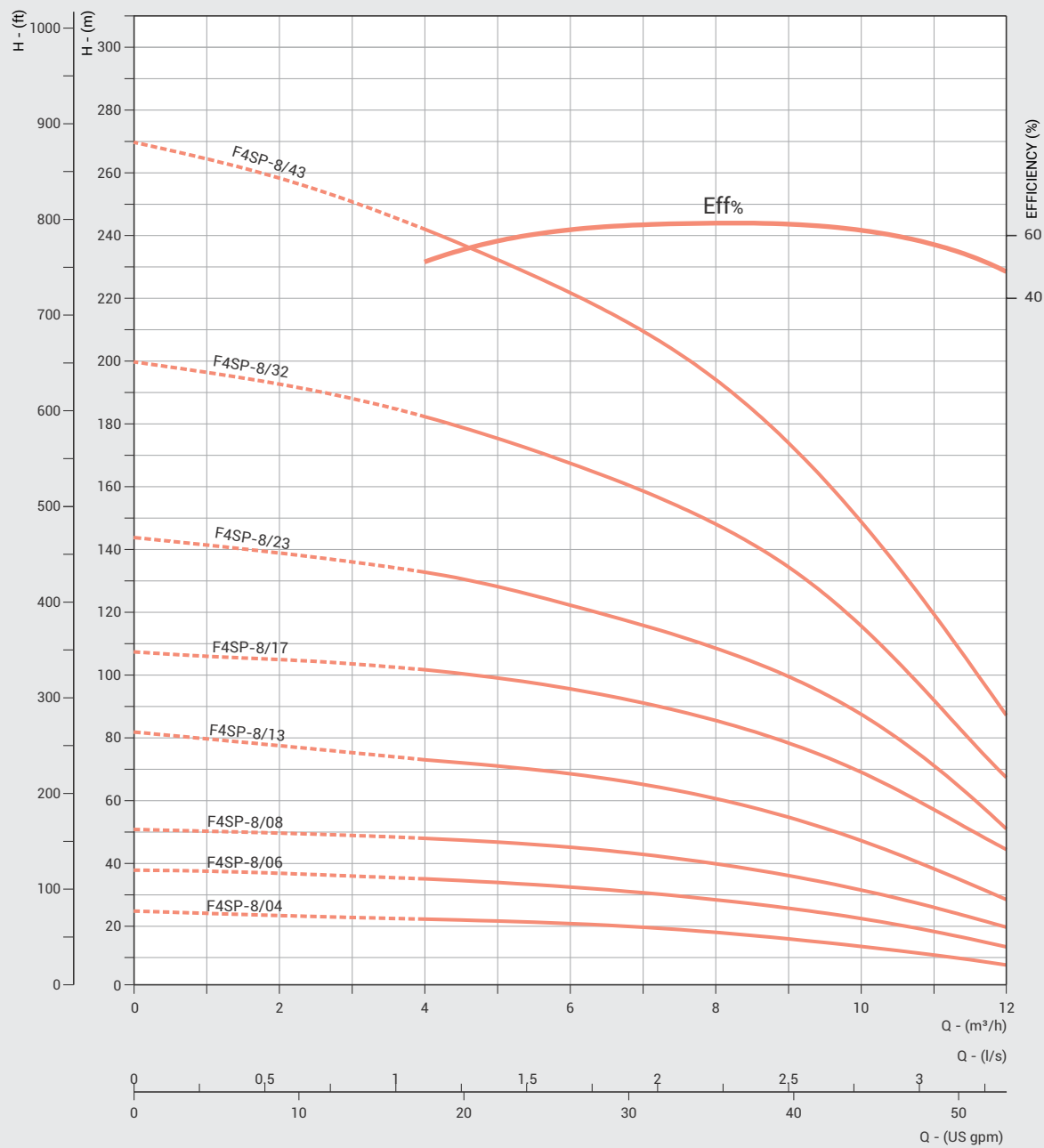
PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	#OD	RP	H	
F4SP-8/04	0,75	1,0	98	50	374	3,8
F4SP-8/06	1,1	1,5	98	50	436	4,4
F4SP-8/08	1,5	2,0	98	50	498	3,2
F4SP-8/13	2,2	3,0	98	50	653	6,5
F4SP-8/17	3,0	4,0	98	50	807	7,9
F4SP-8/23	4,0	5,5	98	50	993	10,0
F4SP-8/32	5,5	7,5	98	50	1302	13,0
F4SP-8/43	7,5	10	98	50	1643	17,5

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps	0	1,11	1,66	2,22	2,78	3,33
		m ³ /h	0	4	6	8	10	12
F4SP-8/04	0,75	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	25	21	20	19	14	8
F4SP-8/06	1,1		38	35	32	28	22	13
F4SP-8/08	1,5		51	48	45	40	31	20
F4SP-8/13	2,2		82	72	69	61	48	29
F4SP-8/17	3,0		108	101	96	85	69	43
F4SP-8/23	4,0		143	132	122	109	88	52
F4SP-8/32	5,5		200	182	168	148	116	68
F4SP-8/43	7,5		270	242	221	193	149	88

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES 4" HYDRA SERIES



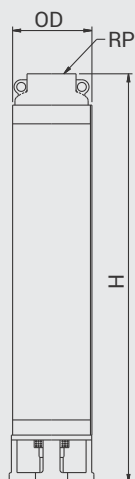
Refer General Information for performance curve conditions and for more details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT 4" HYDRA SERIES

Nominal Diameter : 4"

Nominal Flow : 10m³/h

Outlet Size : 2"



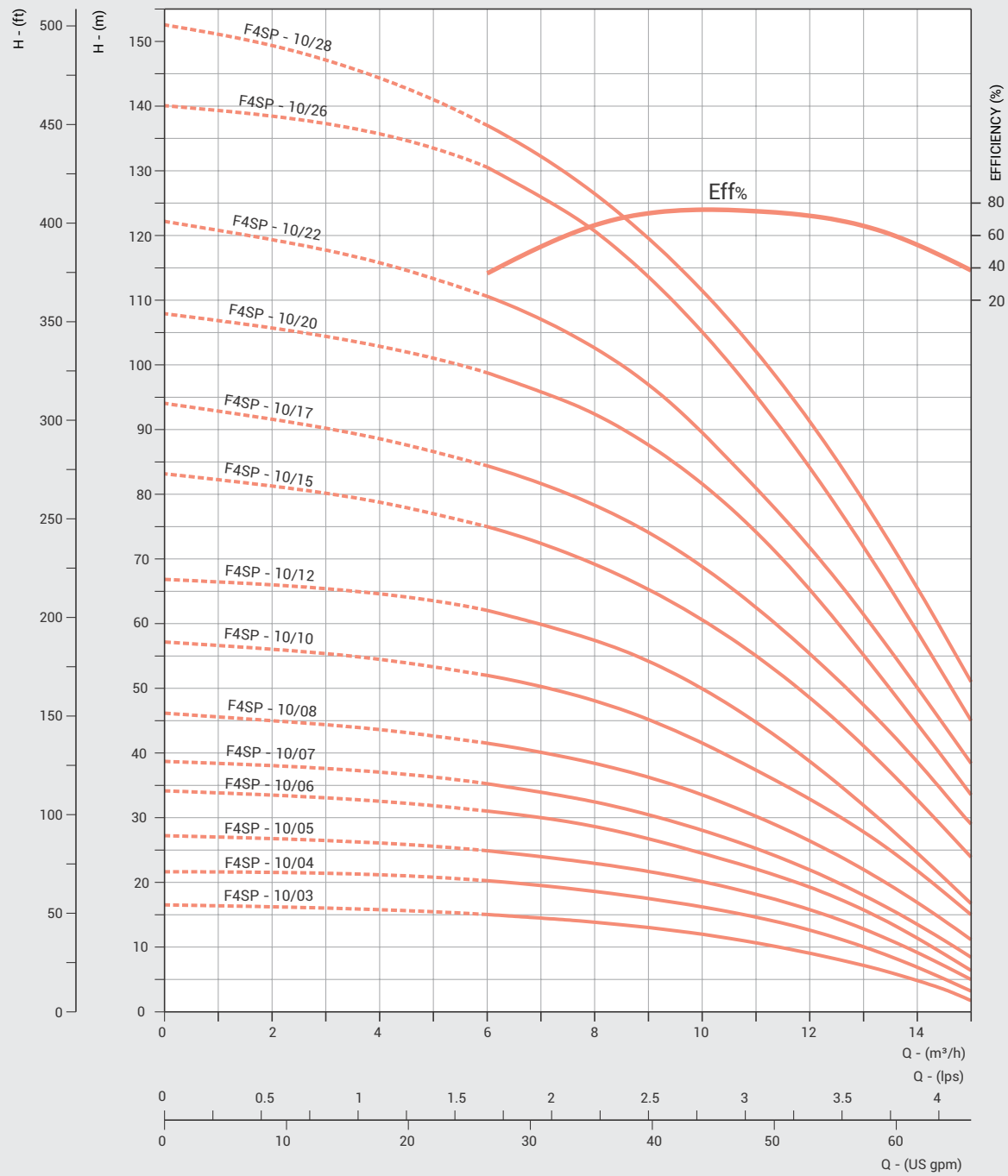
PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	OD	RP	H	
F4SP-10/03	0,75	1	98	50	448	2,7
F4SP-10/04	0,75	1	98	50	450	3,0
F4SP-10/05	1,1	1,5	98	50	562	3,8
F4SP-10/06	1,1	1,5	98	50	570	4,5
F4SP-10/07	1,5	2	98	50	676	5,3
F4SP-10/08	1,5	2	98	50	690	6,0
F4SP-10/10	2,2	3	98	50	790	7,6
F4SP-10/12	2,2	3	98	50	904	9,1
F4SP-10/15	3	4	98	50	1075	11,3
F4SP-10/17	3	4	98	50	1189	12,8
F4SP-10/20	4	5,5	98	50	1360	15,0
F4SP-10/22	4	5,5	98	50	1474	16,6
F4SP-10/26	5,5	7,5	98	50	1702	19,6
F4SP-10/28	5,5	7,5	98	50	1816	21,1

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps m ³ /h	0	1,11	1,66	2,22	2,78	3,33	3,89
			0	4	6	8	10	12	14
F4SP-10/03	0,75	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	17	16	15	14	12	9	5
F4SP-10/04	0,75		22	21	20	18	16	13	7
F4SP-10/05	1,1		27	26	25	23	20	16	9
F4SP-10/06	1,1		34	33	31	28	24	19	12
F4SP-10/07	1,5		39	37	35	33	28	22	14
F4SP-10/08	1,5		46	43	42	38	33	27	12
F4SP-10/10	2,2		57	54	52,5	48	42	33	22
F4SP-10/12	2,2		66	64	62,5	57	50	39	25
F4SP-10/15	3		83	78	75	69	61	48	33
F4SP-10/17	3		94	88	84	78	69	55	39
F4SP-10/20	4		107	102	98	92,5	82	65	45
F4SP-10/22	4		122	116	111	102,5	90	72	50
F4SP-10/26	5,5		140	136	130	122	107	85	59
F4SP-10/28	5,5		153	144	137	127	112	91	65

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES 4" HYDRA SERIES



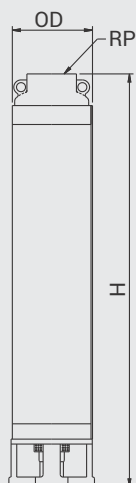
Refer General Information for performance curve conditions and for more details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT 4" HYDRA SERIES

Nominal Diameter : 4"

Nominal Flow : 14m³/h

Outlet Size : 2"



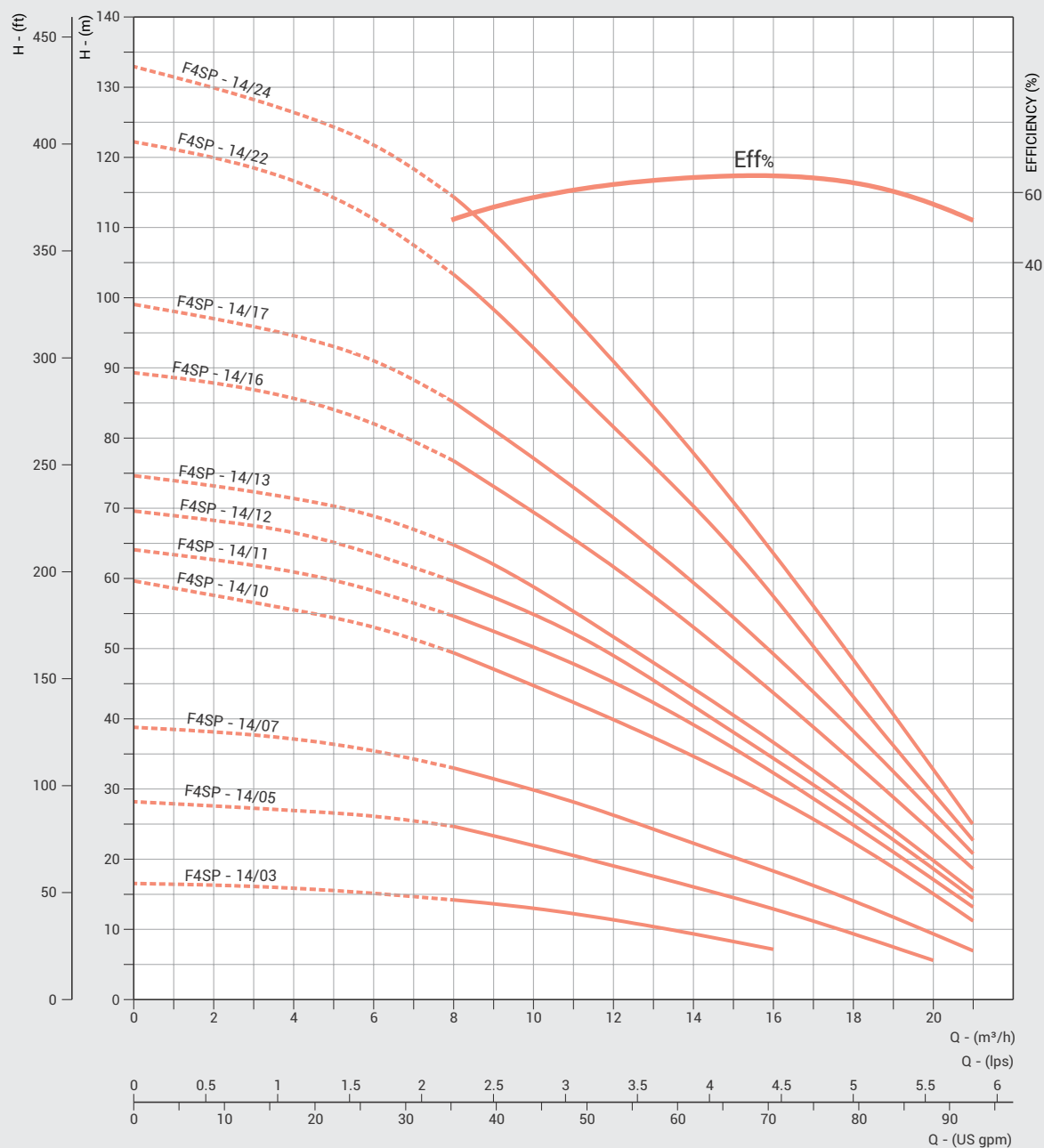
PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	OD	RP	H	
F4SP-14/03	0,75	1	98	50	463	2,6
F4SP-14/05	1,1	1,5	98	50	610	4,3
F4SP-14/07	1,5	2	98	50	775	6,0
F4SP-14/10	2,2	3	98	50	1009	8,5
F4SP-14/11	2,2	3	98	50	1087	9,7
F4SP-14/12	3,0	4	98	50	1165	10,2
F4SP-14/13	3,0	4	98	50	1243	11,0
F4SP-14/16	3,7	5	98	50	1477	13,6
F4SP-14/17	3,7	5	98	50	1555	14,4
F4SP-14/22	5,5	7,5	98	50	1945	29,0
F4SP-14/24	5,5	7,5	98	50	2101	33,0

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps m ³ /h	0	2,22	2,78	3,33	3,89	4,44	5,00	5,56
			0	8	10	12	14	16	18	20
F4SP-14/03	0,75	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	17	14	13	12	9	7	-	-
F4SP-14/05	1,1		28	24	22	19	16	14	9	6
F4SP-14/07	1,5		38	33	30	26	22	18	14	9
F4SP-14/10	2,2		59	49	45	40	34	29	22	15
F4SP-14/11	2,2		64	59	50	45	39	33	25	17
F4SP-14/12	3		69	59	55	48	43	34	27	18
F4SP-14/13	3		74	65	58	52	44	36	29	20
F4SP-14/16	3,7		89	77	69	62	53	44	34	24
F4SP-14/17	3,7		98	85	77	68	59	49	38	27
F4SP-14/22	5,5		123	104	93	82	70	57	43	29
F4SP-14/24	5,5		134	114	104	92	78	64	49	33

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES 4" HYDRA SERIES



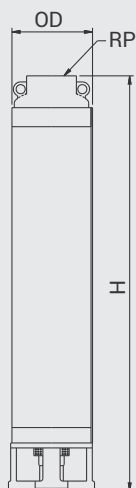
Refer General Information for performance curve conditions and for more details.
Curve tolerance according to ISO : 9906, Grade - 3B

DIMENSIONS & WEIGHT 4" HYDRA SERIES

Nominal Diameter : 4"

Nominal Flow : 18m³/h

Outlet Size : 2"



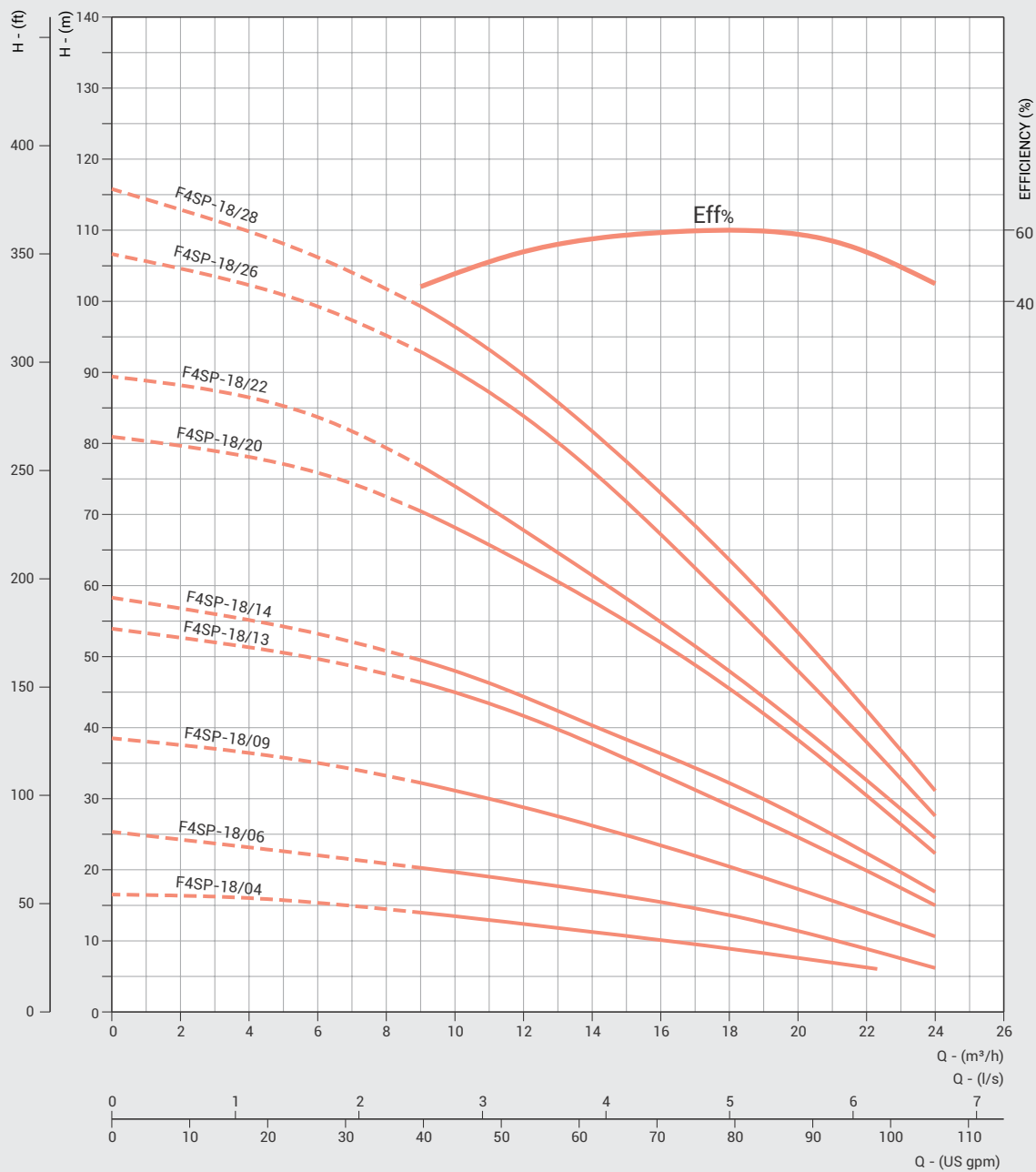
PUMP MODEL	REQUIRED MOTOR POWER		DIMENSIONS (mm)			APPROX NETT. WEIGHT (kg)
	kW	HP	OD	RP	H	
F4SP-18/04	1,1	1,5	98	50	407	3,8
F4SP-18/06	1,5	2,0	98	50	648	5,0
F4SP-18/09	2,2	3,0	98	50	860	6,5
F4SP-18/13	3,7	5,0	98	50	1142	9,8
F4SP-18/14	4,0	5,5	98	50	1213	10,5
F4SP-18/20	5,5	7,5	98	50	1637	15,5
F4SP-18/22	5,5	7,5	98	50	1778	18,0
F4SP-18/26	7,5	10,0	98	50	2060	19,1
F4SP-18/28	7,5	10,0	98	50	2201	22,0

PERFORMANCE TABLE

PUMP MODEL	MOTOR kW	lps m ³ /h	0	2,78	3,33	3,86	4,44	5	5,56	6,11
			0	10	12	14	16	18	20	22
F4SP-18/04	1,1	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	17	14	13	11	10	9	8	6
F4SP-18/06	1,5		26	19	18	17	16	14	11	9
F4SP-18/09	2,2		38	31	29	27	24	21	17	14
F4SP-18/13	3,7		54	45	42	38	34	28	24	20
F4SP-18/14	4,0		58	48	44	41	37	33	27	23
F4SP-18/20	5,5		81	68	63	57	52	46	38	30
F4SP-18/22	5,5		89	74	71	61	55	48	41	32
F4SP-18/26	7,5		106	90	84	76	67	57	47	38
F4SP-18/28	7,5		116	97	89	82	73	64	54	43

In view of continuous developments, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE CURVES 4" HYDRA SERIES



Refer General Information for performance curve conditions and for more details.
Curve tolerance according to ISO : 9906, Grade - 3B