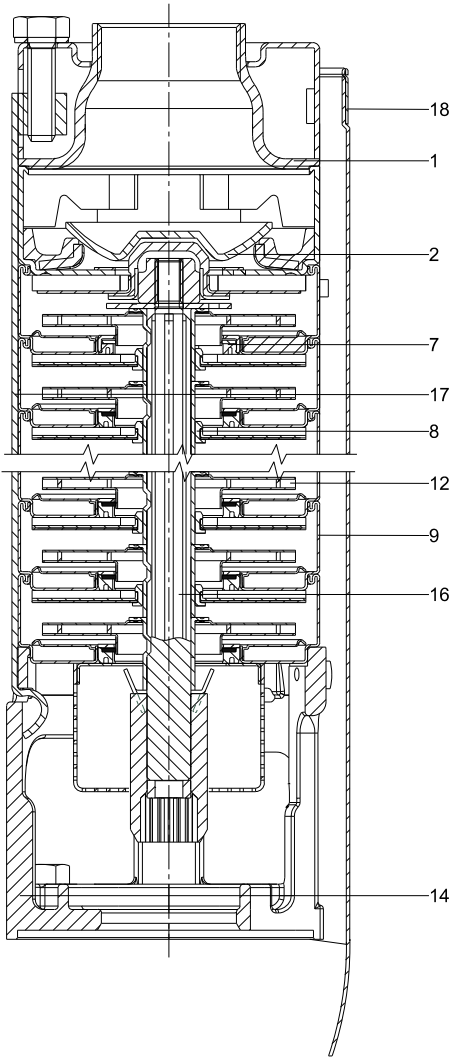


# Sectional drawing, SP pump 4" spline shaft (SP 5S - 25S)



## Material specification

Pos.	Component	Material	Standard	N-version	R-version
			[AISI (EN)]		
1	Valve casing	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
2	Valve cup	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
7	Neck ring	NBR/TPU			
8	Bearing	NBR			
9	Chamber	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
12	Impeller	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
14	Suction interconnector	Cast stainless steel	304 (1.4308)	316 (1.4408)	904L (1.4517)
16	Shaft complete	Stainless steel	431 (1.4057)	329 (1.4460)	904L (1.4462)
17	Strap	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
18	Cable guard	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
	Washer for stop ring	Carbon/graphite HY22 in PTFE mass			
	Strainer	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
	Valve seat	Rubber type	NBR	NBR-FKM	NBR-FKM

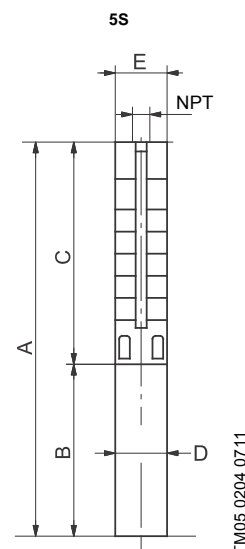
Fig. 13 SP pump, 4" spline shaft (SP 5S - 25S)

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## 4" and larger wells - continued

### SP 5S (5 gpm) / 4 inch motor

Pump model	Nom. head [ft]	Ph	Volts [V]	Motor [Hp]	Dimensions					Net weight (complete) [lb]	
					A [in. (mm)]	B [in. (mm)]	C [in. (mm)]	D [in. (mm)]	E [in. (mm)]		
<b>5S, motor dia. 4 inch, 2 wire motor, 60 Hz - rated flow 5 gpm (1" NPT)</b>											
5S05-9	171	1	230	0.5	■ 24.57 (624)	11.03 (280)	13.55 (344)	3.74 (95)	3.98 (101)	21.6	
5S05-13	247	1	115	0.5	■ 27.88 (708)	11.03 (280)	16.86 (428)	3.74 (95)	3.98 (101)	26.9	
			230	0.5	■ 27.88 (708)	11.03 (280)	16.86 (428)	3.74 (95)	3.98 (101)	26.1	
5S07-18	343	1	230	0.75	■ 32.60 (828)	11.62 (295)	20.99 (533)	3.74 (95)	3.98 (101)	29.7	
5S10-22	419	1	230	1	■ 36.50 (927)	12.21 (310)	24.30 (617)	3.74 (95)	3.98 (101)	32.4	
5S15-26	495	1	230	1.5	■ 41.30 (1049)	13.71 (348)	27.60 (701)	3.74 (95)	3.98 (101)	41.4	
5S15-31	527	1	230	1.5	■ 47.21 (1199)	13.71 (348)	33.51 (851)	3.74 (95)	3.98 (101)	47.7	
<b>5S, motor dia. 4 inch, 3 wire motor, 60 Hz - rated flow 5 gpm (1" NPT)</b>											
5S05-9	171	1	230	0.5	■ 24.57 (624)	11.03 (280)	13.55 (344)	3.74 (95)	3.98 (101)	22.5	
5S05-13	247	1	115	0.5	■ 27.88 (708)	11.03 (280)	16.86 (428)	3.74 (95)	3.98 (101)	26.9	
			230	0.5	■ 27.88 (708)	11.03 (280)	16.86 (428)	3.74 (95)	3.98 (101)	25.2	
5S07-18	343	1	230	0.75	■ 32.60 (828)	11.62 (295)	20.99 (533)	3.74 (95)	3.98 (101)	28.8	
5S10-22	419	1	230	1	■ 36.50 (927)	12.21 (310)	24.30 (617)	3.74 (95)	3.98 (101)	32.4	
5S15-26	495	3	1	230	1.5	■ 41.30 (1049)	13.71 (348)	27.60 (701)	3.74 (95)	3.98 (101)	37.8
			230	1.5	■ 39.81 (1011)	12.21 (310)	27.60 (701)	3.74 (95)	3.98 (101)	38.7	
			460	1.5	■ 39.81 (1011)	12.21 (310)	27.60 (701)	3.74 (95)	3.98 (101)	38.7	
5S15-31	527	3	1	230	1.5	■ 47.21 (1199)	13.71 (348)	33.51 (851)	3.74 (95)	3.98 (101)	47.7
			230	1.5	■ 45.71 (1161)	12.21 (310)	33.51 (851)	3.74 (95)	3.98 (101)	45.0	
			460	1.5	■ 45.71 (1161)	12.21 (310)	33.51 (851)	3.74 (95)	3.98 (101)	45.0	
5S20-39DS	663	3	1	230	2	● 59.61 (1514)	19.49 (495)	40.12 (1019)	3.74 (95)	4.25 (108)	57.6
			230	2	■ 53.82 (1367)	13.71 (348)	40.12 (1019)	3.74 (95)	4.25 (108)	54.0	
			460	2	■ 53.82 (1367)	13.71 (348)	40.12 (1019)	3.74 (95)	4.25 (108)	54.0	
5S30-48DS	816	3	1	230	3	● 70.16 (1782)	22.60 (574)	47.56 (1208)	3.74 (95)	4.25 (108)	77.4
			230	3	● 65.56 (1665)	18.00 (457)	47.56 (1208)	3.74 (95)	4.25 (108)	77.4	
			460	3	● 65.56 (1665)	18.00 (457)	47.56 (1208)	3.74 (95)	4.25 (108)	77.4	



E = Maximum diameter of pump including cable guard and motor.

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#### Notes:

Control box is required for 3-wire, single-phase applications. Data does not include control box.

DS designation = Built into sleeve, 1 - 1/2" NPT, 6" minimum well diameter.

Performance conforms to ISO 9906: 1999 (E) Annex A. Minimum submergence is 2 feet.

- MS 402 motor.
- MS 4000 motor.