

SPEED

PROFESSIONAL PERFORMANCE

A 4", 6", 8", 10" series

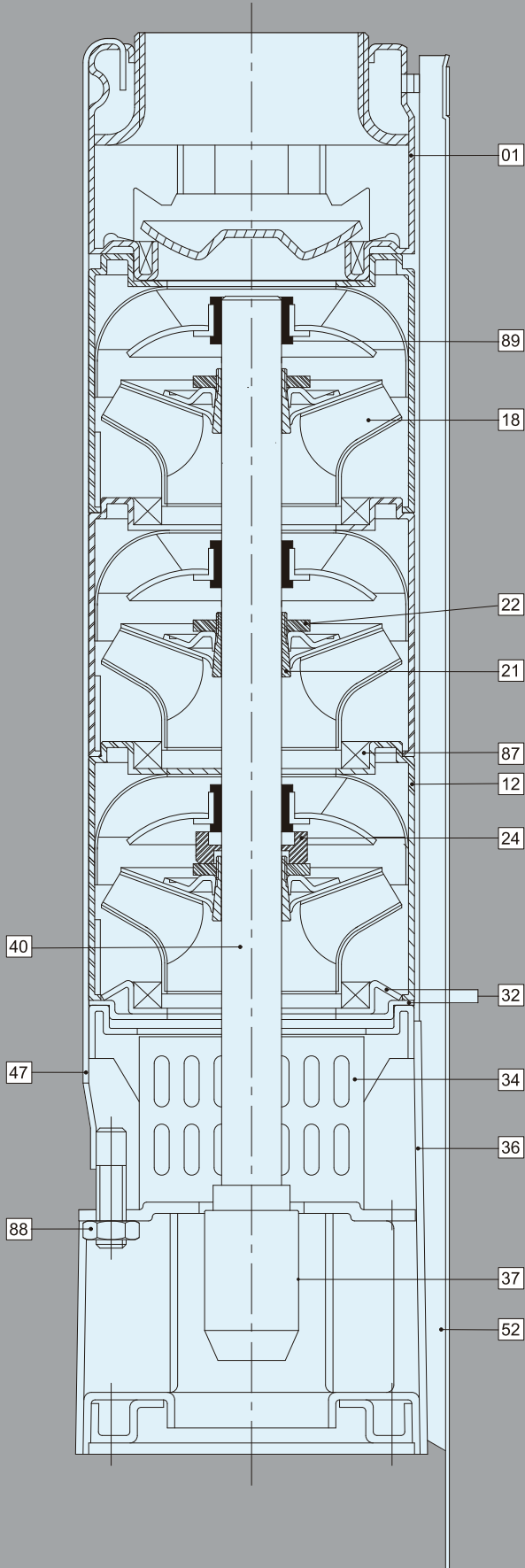
Stainless Steel Submersible Pumps

50Hz



General Data

Example: A-14



Material Specification-4" Pumps

Pos.	Components	Standard
01	Discharge	SUS304 / SUS316
12	Diffuser	SUS304 / SUS316
18	Impeller	SUS304 / SUS316
21	Split Cone	SUS304 / SUS316
22	Split Cone Nut	SUS304 / SUS316
24	Stop Ring	Carbon+Graphite+PTFE
32	Neck Ring Retainer	SUS304 / SUS316
34	Strainer	SUS304 / SUS316
36	Suction Interconnector	SUS304 / SUS316
37	Coupling	SUS304 / SUS316
40	Pump Shaft	SUS304 / SUS431 / SUS316
47	Strap	SUS304 / SUS316
52	Cable Guard	SUS304 / SUS316
87	Neck Ring	SUS304+NBR / SUS316+NBR
88	Nut	SUS304 / SUS316
89	Bearing	NBR

*AISI 316 stainless steel pumps are available on request.

General Data

4" Stainless Steel Submersible Pumps

SPEED A 4" range of submersible pumps are made of corrosion and abrasion resistant stainless steel and have been developed in accordance with state of the art technology. The A 4" pumps are manufactured to the highest standards of highly efficient hydraulic impeller and diffuser design to reach high energy efficiency, dependable performance, rugged construction and long service life, even in difficult environments.

Applications

- ◆ Potable water supply
- ◆ Agricultural irrigation and livestock watering
- ◆ Municipal and industrial water supply
- ◆ Pressure boosting
- ◆ Mining applications
- ◆ Groundwater lowering
- ◆ Fountain

Pumped Liquids

- ◆ Clean, thin, non-aggressive and non-corrosive liquids without solid particles or fibers.

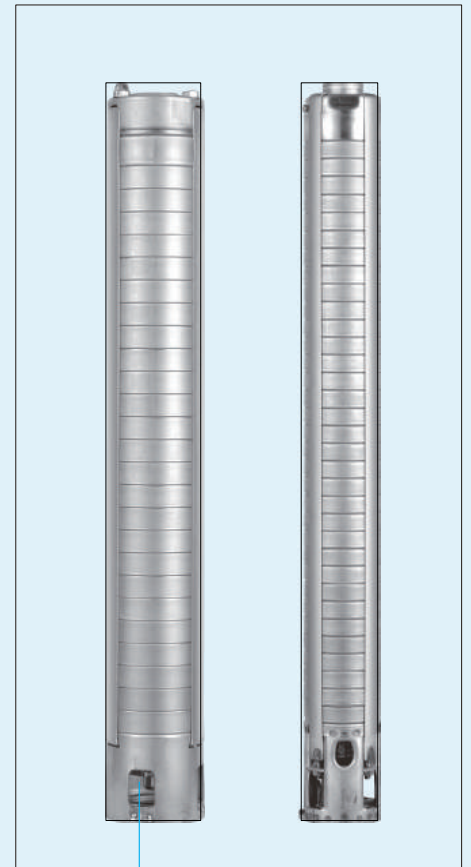
Operating Conditions

- ◆ Capacity (m³/h) min 0.3 max 18
- ◆ Total Head: Max. 625 m
- ◆ Max. ambient temperature (Liquid):30°C
- ◆ Sand content: Max. 50 g/m³
- ◆ Screen size of each hole:

5 x 1 mm (A-1~2)

Ø2.5 mm (A-3~5)

20 x 4 mm (A-8~14)



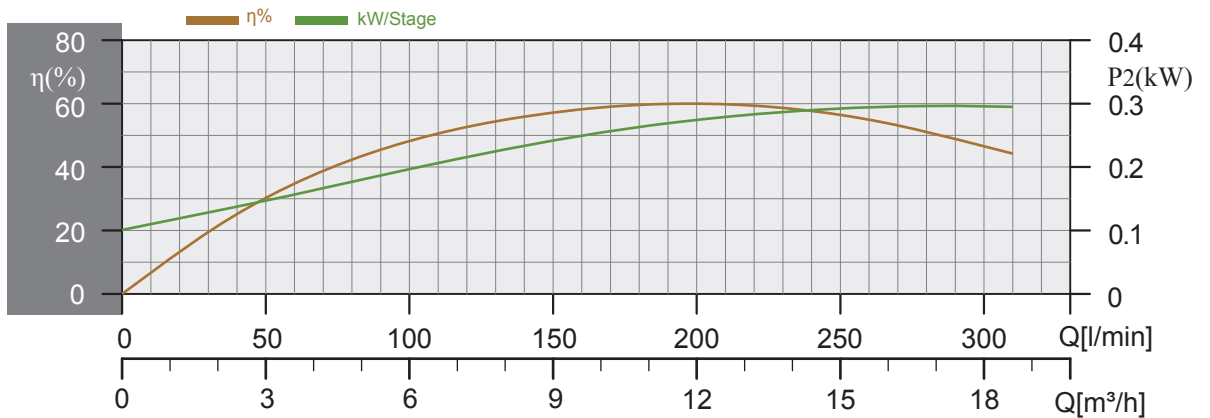
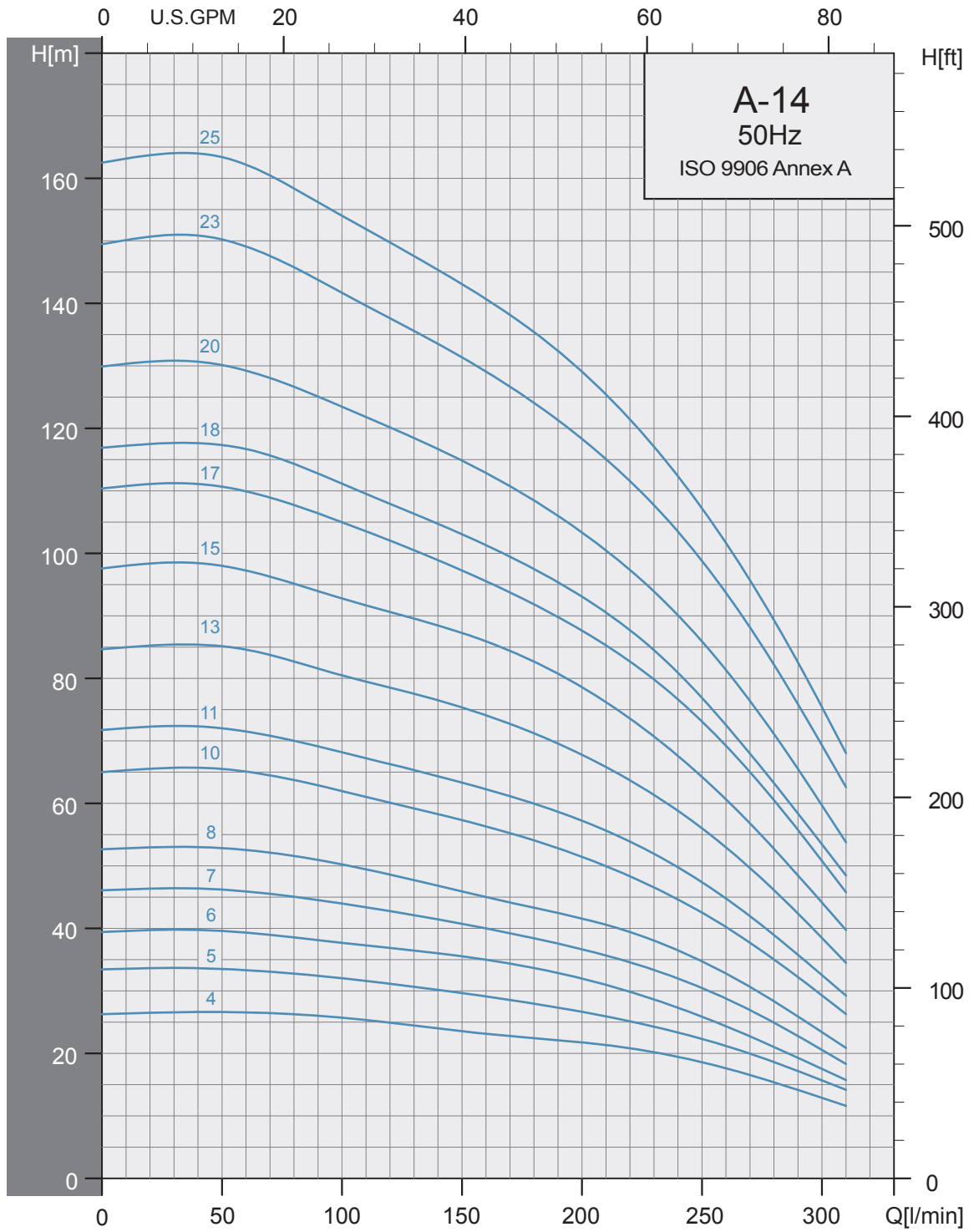
Features

- ◆ Stainless steel construction designed and built for years of trouble free operation
- ◆ Designed and built to operate in difficult conditions.
- ◆ All metal parts are made of 304 or 316 stainless steel, except for the shafts, which are made of 431, 304 or 316 stainless steel.
- ◆ Heavy duty stainless steel discharge head with built-in check valve for preventing back flow in connection with pump stoppage and the risk of destructive water hammer is reduced to a minimum.
- ◆ Smooth safety hook.
- ◆ NEMA standard of bracket mounting.
- ◆ High quality shaft bearings provide low friction and high wear resistance.
- ◆ The stop ring prevents damage to the pump during transport and in case of up-thrust in connection with start-up. The stop ring, which is designed as a thrust bearing, limits axial movements of the pump shaft.
- ◆ Stainless steel strainer to restrict the entry of sand and other extraneous material.

SPEED A Series

A 4"

A-14 Performance Curves



Selection Chart

50Hz

Pump Type	Motor		Q capacity 2850 rpm									
	P2		l/min m³/h	0	100	120	140	160	180	200	250	300
	KW	HP		0	6.0	7.2	8.4	9.6	10.8	12	15	18
A 14-04	1.1	1.5	HEAD IN METERS	26	25.5	25	24	23	22.5	21.5	18.5	13
A 14-05	1.5	2		33	32	31	30	29	28	26	22	16
A 14-06	2.2	3		39.5	37.5	37	36	35	33.5	32	26	17.5
A 14-07	2.2	3		46	44	43	42	40	38	36	30	20
A 14-08	3	4		52.5	50	48.5	46.5	45	43	41.5	35	23.5
A 14-10	3	4		65	62	60	58	56	54	51	43	29
A 14-11	4	5.5		71.5	68	66	64	62	60	57	47	32.5
A 14-13	4	5.5		84	80	78	77	74	71	67	56	38
A 14-15	5.5	7.5		97.5	92.5	90.5	88.5	86	82.5	78.5	64	44
A 14-17	5.5	7.5		110	105	102	99	95.5	92	87.5	73	51
A 14-18	5.5	7.5		117	111	108	104	102	97	93	77	54
A 14-20	7.5	10		130	123	120	116.5	113	108.5	103	86	59
A 14-23	7.5	10		149.5	141.5	137.5	133.5	129	124	118	99	69
A 14-25	7.5	10		163	154	149	145	141	135	129	107	75

Dimensions and weights

Pump Type	Motor Dia.	Dimensions (mm)		Net Weight (Kg) Pump
		A	C	
A 14-04	4"	440	98	4.4
A 14-05	4"	505	98	5.0
A 14-06	4"	570	98	5.7
A 14-07	4"	635	98	6.3
A 14-08	4"	700	98	7.0
A 14-10	4"	830	98	8.2
A 14-11	4"	895	98	8.9
A 14-13	4"	1025	98	10.2
A 14-15	4"	1155	98	11.5
A 14-17	4"	1285	98	12.8
A 14-18	4"	1350	98	13.4
A 14-20	4"	1480	98	14.7
A 14-23	4"	1675	98	16.6
A 14-25	4"	1805	98	17.8

C=Maximum diameter of pump inclusive of cable guard and moter.

