

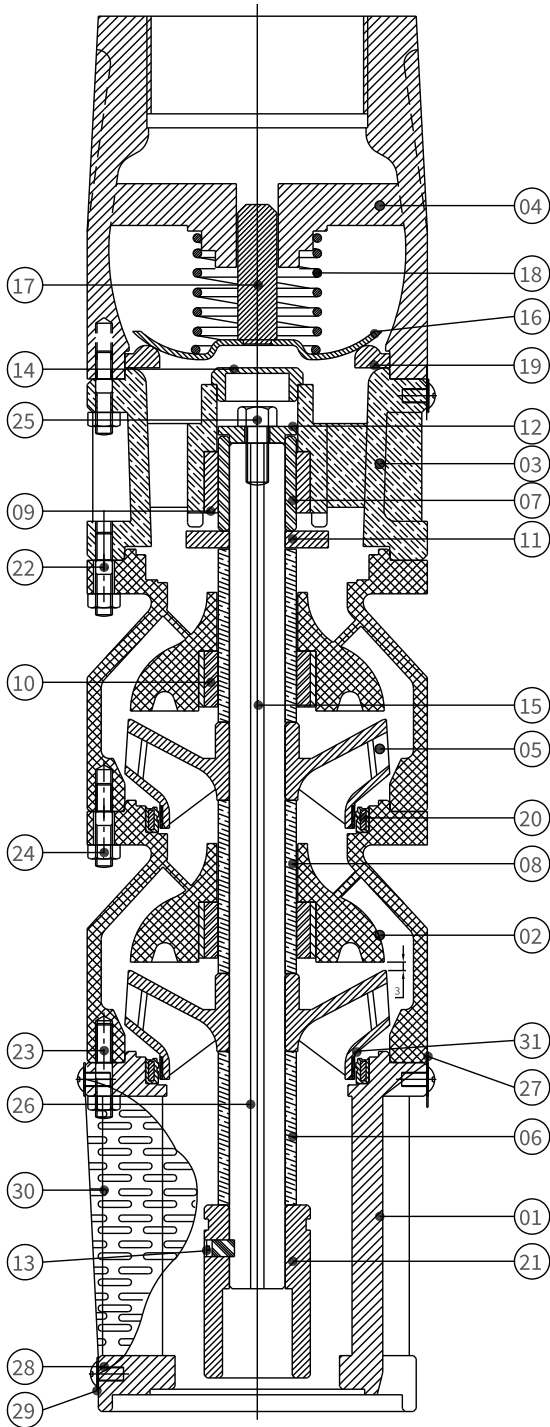
5RPM 510 SERIES PUMP DESIGN

Product advantages and specification

- 1. High level of performance & mechanically built-up to last long and provide uninterrupted service.
- 2. Suction and discharge outlets are made of cast iron with nickel coating & with a look of steel finish. These are also available in Stainless Steel on request:
- 3. Impellers and diffusers are made of resin impregnated thermoplastic. There materials ensure high performance and longer life.
- 4. Pump casing is of PPO 20%GF & Cast Iron.
- 5. Pump shaft is of Stainless Steel.
- 6. Hexagonal bearing bush and Stainless Steel sleeves with hard chrome help in withstanding wear resistance against sand.
- 7. Efficiently designed NRV guarantees trouble free service even in most critical applications.
- 8. Cable guard and strainer of Stainless Steel.
- 9. Pumps are available in mixed flow designs.
- 10. Pumps & Motor couplings are according to NEMA Standard:
- 11. Operating Range
 - Head range : 8 mtr to 112 mtr
 - F low rate : 35 lpm to 500 lpm
 - Immersion : 1 meter minimum
- 12. Minimum level of sand content: 50 gm/m3
- 13. Application : These pumps are for domestic, agriculture & industrial usage.

Material Specification

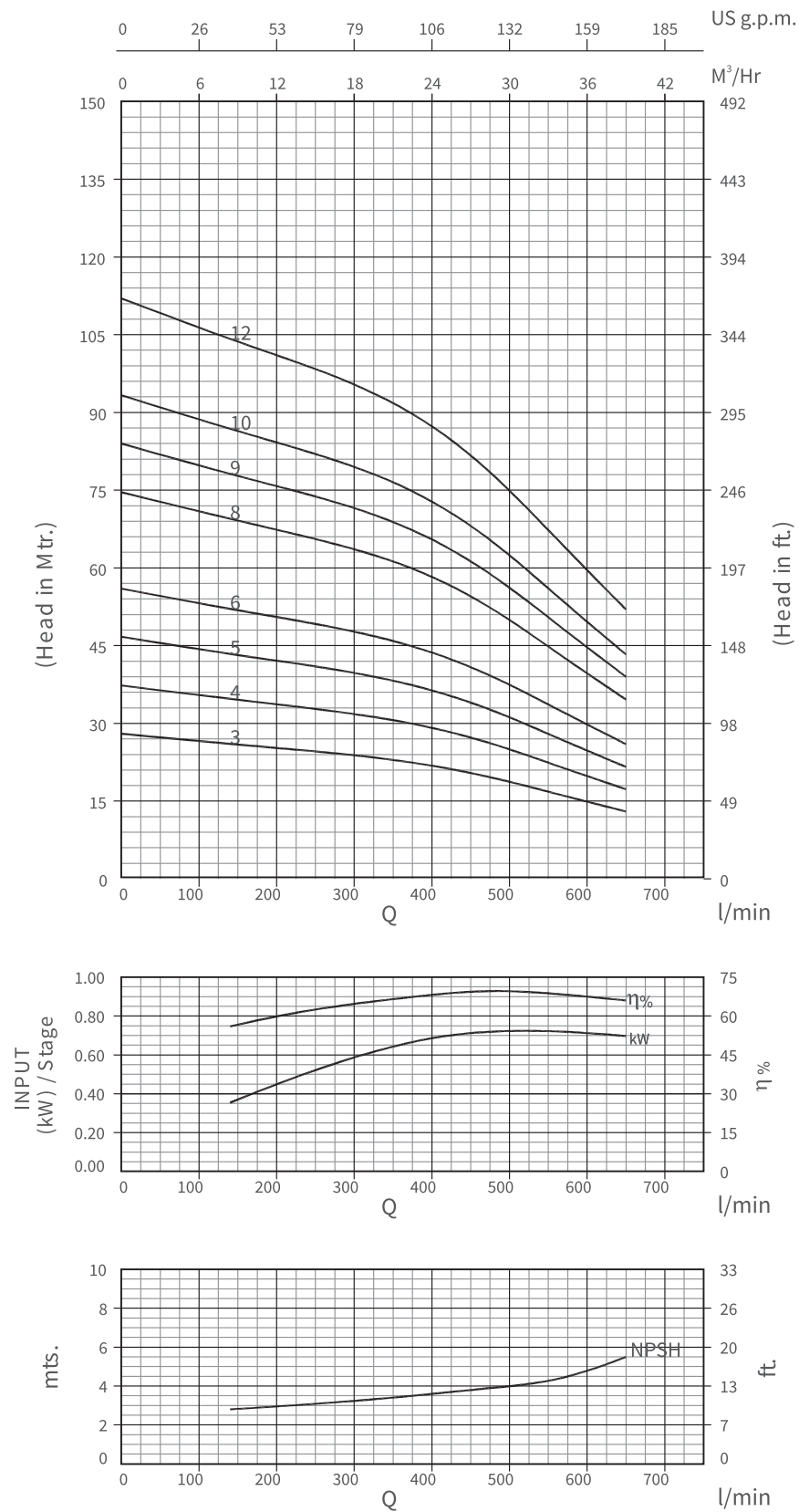
NO	PART NAME	MATERIAL	QTY.
1	SUCTION	C.I. (F.G 200)	01
2	BOWL	C.I. (F.G 200)	/ST.
3	D.O.L.	C.I. (F.G 200)	01
4	N.R.V. (2")	C.I. (F.G 200)	01
5	IMPELLER (C.I.)	C.I. (F.G 200)	/ST.
6	SLEEVE (DIST.)	S.S. 410	01
7	SLEEVE (DOL)	S.S. 410	01
8	SLEEVE (BOWL)	S.S. 410	/ST.
9	BEARING BUSH	L.T.B 4 (2% NI.)	01
10	METAL RUBBER BUSH	N.B.R./M.S.	/ST.
11	THRUST COLLAR	S.S. 410	01
12	TOP COLLAR	S.S. 410	01
13	GRUB SCREW(DOMESTIC)	S.S. 304	01
14	DOL CAP	PVC	01
15	SHAFT (2 STAGE)	S.S. 410	01
16	N.R.V. CONE PLATE	S.S. 202	01
17	N.R.V. CONE ROD	S.S. 410	01
18	N.R.V. CONE SPRING	SPRING STEEL	01
19	N.R.V. NECKRING	N.B.R.	01
20	BOWL NRCKRING	M.S./N.B.R.	/ST.
21	COUPLING(DOMESTIC)	S.S. 410	01
22	STUD(DOL,BOWL)	S.S. 410	8+08/ST.
23	STUD (SUCTION)	S.S. 410	08
24	HEX NUT	S.S. 202	16+8/ST.
25	HEX BOLT	S.S. 304	01
26	KEY	S.S. 410	REQ.
27	SCREW(CABLE CLIP)	BRASS	04
28	SCREW(STRAINER)	BRASS	02
29	SCREW WASHER	BRASS	06
30	STRAINER	S.S.202	01
31	IMPELLER NECKRING	S.S. 202	/ST.



Performance Curves

5RPM 510, 50Hz

ISO 9906 Annexure A



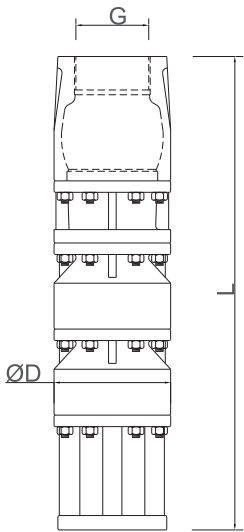
Performance Chart

5RPM 510, 50Hz

ISO 9906 Annexure A

Model Name			Rating			Discharge						
Single Phase	Three Phase	Stage	kW	HP	l/min	0	140	225	360	470	570	650
					m ³ /h	0	8.4	13.5	21.6	28.2	34.2	39.0
5RPM 510-03	5RPM 510-03	3	2.20	3.00	HEAD IN Mtrs.	28	26	25	23	20	16	13
5RPM 510-04	5RPM 510-04	4	4.00	5.50		37	35	33	31	27	21	17
5RPM 510-05	5RPM 510-05	5	4.50	6.00		47	43	42	38	33	27	22
5RPM 510-06	5RPM 510-06	6	5.50	7.50		56	52	50	46	40	32	26
	5RPM 510-08	8	7.50	10.00		75	69	67	61	53	43	35
	5RPM 510-09	9	7.50	10.00		84	78	75	69	60	48	39
	5RPM 510-10	10	9.30	12.50		93	87	83	77	67	53	43
	5RPM 510-12	12	9.30	12.50		112	104	100	92	80	64	52

Dimensions & Weights



Model name	Specification				
	D	L	G	Weight (kg)	Weight (incl.pkg)[kg]
5RPM-510/03	133	590	75	21.5	29.5
5RPM-510/04	133	680	75	25.5	33.5
5RPM-510/05	133	770	75	29.5	37.5
5RPM-510/06	133	860	75	33.0	41.0
5RPM-510/08	133	950	75	41.0	49.0
5RPM-510/09	133	1040	75	46.0	55.0
5RPM-510/10	133	1130	75	51.0	61.0
5RPM-510/12	133	1310	75	61.0	73.0