

Clear & Raw Water Pumps

Redefining Raw Water pumping...



S/M/4LM/SVT Series



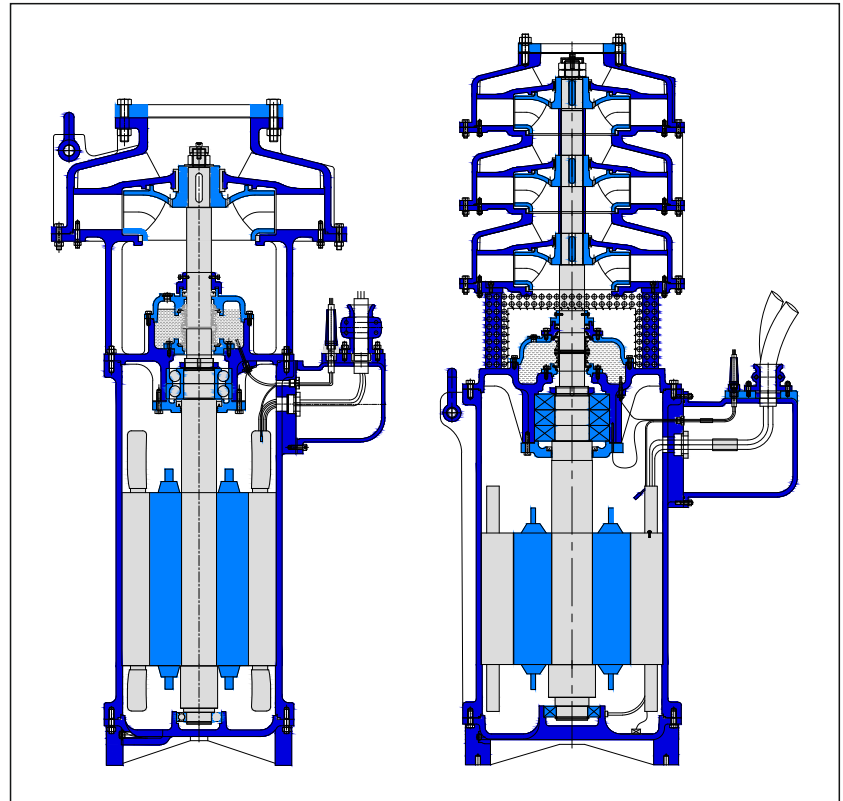
CLEAR & RAW WATER

Clear & Raw Water Pump : Features & Dimensions

Features

- **Impeller** - Specially designed impellers ensuring more pumping in lesser no. of stages.
- **Motor** - Highly efficient dry motor with built-in protection against temperature rise. Motor capable to withstand wide voltage fluctuations.
- **Shaft** - Extra heavy duty SS Shaft to withstand tougher site conditions.
- **Mechanical Seals** - Mechanical seals are fitted in independent chambers and are not exposed to pumpage liquid.
- **Bearing** - Heavy duty ball bearing used at top and bottom ends to balance adverse load.
- **Sand Guard Arrangement** - It's additional protection for mechanical seal.
- **Cable Sealing** - Special leak proof cable sealing arrangement, to avoid ingress of water through cable. No need to open motor for changing cable.

Cross Sectional View



Denominations

Product Code	S/M/4LM/SVT
Installation	Vertical / Portable
Impeller Characteristic	Radial
Discharge Connection	50/65/80/150/200 mm

Nomenclature

M 120 100	4 L M T 300 92
Shut off Head	Shut off Head
Motor HP	Motor HP
Product Code	No. of Stages
	Product Code
	No. of Poles

Dimensions

PUMP MODEL	HP/KW	RPM	DN SIZE	SOLID PSSG	MIN. SUB.	WD (Apprx.)	HT (Apprx.)	N.WT. (kg)*
S-336	3.0/2.2	2820	50	-	315	232	430	41
S-326	3.0/2.2	2820	65	-	310	220	435	41
S-318	3.0/2.2	2820	80	-	310	220	430	41
S-540	5.0/3.7	2830	65	-	315	232	430	43
S-528	5.0/3.7	2830	65	-	310	220	440	43
S-522	5.0/3.7	2830	80	-	310	220	440	43
S-630	6.5/4.8	2840	65	-	385	220	515	48
S-739	7.5/5.5	2850	80	-	360	261	480	62
S-723	7.5/5.5	2850	100	-	405	261	548	70
S-1050	10/7.5	2850	65	-	440	261	555	69
S-1042	10/7.5	2850	80	-	440	261	565	75
S-1028	10/7.5	2850	100	-	440	261	582	80
S-1017	10/7.5	2850	100	-	440	261	620	80
S-1230	12.5/9.3	2860	100	-	430	300	565	108
S-1222	12.5/9.3	2860	100	-	430	300	605	108
S-1544	15/11	2870	80	-	500	300	625	121
S-1530	15/11	2870	100	-	500	300	678	125
S-1523	15/11	2870	100	-	500	300	678	125
S-2033	20/15	2880	100	-	525	300	708	175
S-2030	20/15	2880	100	-	525	300	708	175
S-2540	25/18.5	2890	100	-	595	300	775	180
S-3040	30/22	2890	100	-	595	300	775	180
S-3028	30/22	2890	150	-	595	300	805	180
S-5040	50/37	2900	150	-	940	395	1135	280
S-7560	75/55	2900	150	-	980	395	1175	375

* without cable

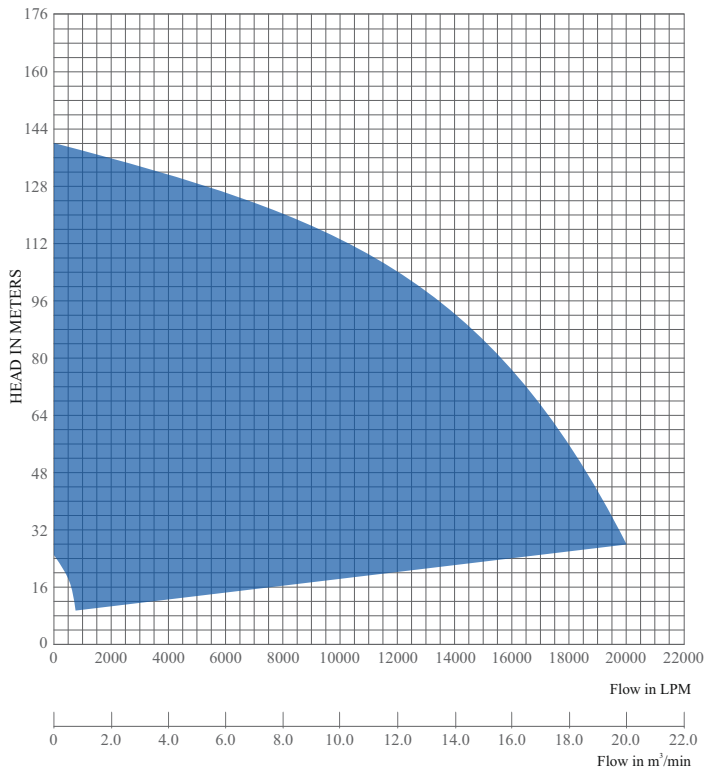
PUMP MODEL	HP/KW	RPM	DN SIZE	SOLID PSSG	MIN. SUB.	WD (Apprx.)	HT (Apprx.)	N.WT. (kg)*
M-560	5.0/3.7	2830	50	-	315	232	480	47
M-668	6.5/4.8	2840	50	-	360	232	525	51
M-652	6.5/4.8	2840	65	-	355	220	540	51
M-754	7.5/5.5	2850	65	-	355	220	540	54
M-1055	10/7.5	2850	65	-	465	220	655	70
M-792	7.5/5.5	2850	50	-	430	232	705	75
M-1078	10/7.5	2850	65	-	465	220	760	80
M-10108	10/7.5	2850	50	-	465	232	470	85
M-1258	12.5/9.3	2860	65	-	460	300	654	125
M-1574	15/11	2870	80	-	500	300	740	170
M-1584	15/11	2870	65	-	500	300	850	175
M-12104	12.5/9.3	2860	65	-	460	300	922	180
M-2084	20/15	2880	65	-	525	300	875	180
M-2055	20/15	2880	100	-	525	300	800	180
M-15104	15/11	2870	65	-	500	300	962	190
M-2080	20/15	2880	80	-	525	300	760	194
M-2557	25/18.5	2890	100	-	595	300	867	200
M-3055	30/22	2890	100	-	595	300	867	200
M-20105	20/15	2880	80	-	525	300	875	204
M-3080	30/22	2890	100	-	595	300	1000	225
M-30105	30/22	2890	80	-	595	300	955	225
M-20104	20/15	2880	65	-	525	300	988	226
M-30140	30/22	2890	80	-	595	300	1065	235
M-4060	40/30	2900	100	-	765	358	1085	270
M-5060	50/37	2900	150	-	1010	395	1375	300
M-6070	60/45	2900	150	-	1050	395	1415	330
M-75125	75/55	2900	150	-	930	395	1295	415
M-120100	120/90	2900	150	-	2000	680	1550	850

Note: All dimensions are in millimeter (mm).

Clear & Raw Water Pump : Technical Specifications & Performance

Performance (Range)*

(Upto 300 HP / 140M Head / 20000LPM Flow)



*** We offer fully customised pumps for your specific needs and applications**

Tech. Specifications*

Rating	: Up to 300HP
RPM	: 2900 / 1450
Frequency	: 50Hz
Supply	: Three Phase - 415 V
Starting	: DOL / STAR DELTA
Motor	: Wet type / Dry Type

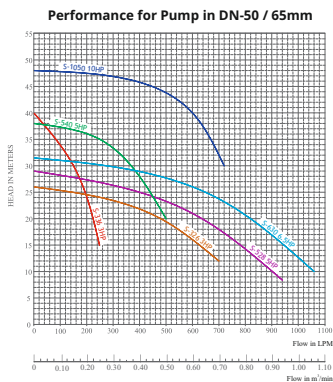
Process Data

Liquid Temperature	Max 40°C
Liquid Density	Max 1100 kg/m³
Suitable for Liquid pH	6 to 8
Solid Passage	Nil

Materials*

Impeller	: CA-15, CF8, CF8M, Various grades of CI
Shaft	: AISI-410, SS-304, SS-316
Difusser	: Various grades of CI / SS
Moter Body:	Various grades of CI / SS
Mech. Seal	: Sic v/s Sic, Tc v/s Tc

*** Option of complete pump in special MoC is also available**



User Industries and Applications



Agriculture & Domestic

- UG tank to OH tank water pumping
- Agriculture & irrigation projects
- Landscaping
- Fountains
- Waterfalls
- Storm water pumping
- Basement sump dewatering



Civil and Infra Sector

- Road building
- Bridge building
- Tunneling projects
- Metro rail projects
- Airport Authorities
- Industrial infrastructure



Industrial Sector

- Dewatering of contaminated water with sediments
- ZLD projects
- Utility applications
- Cooling towers
- Hot water Pumping
- Extraction of water from rivers, lakes, reservoirs, ponds etc.



Municipal & Govt. Sector

- Emergency storm water pumping
- Flood relief applications
- Dewatering of under passes and tunnels
- River linking projects
- Dam site dewatering
- PHED's, PWD's and CPWD's

Options

- Option of pump with dry motor as well as oil filled motor.
- Pumps are very ideal for mounting on pontoon & can be offered along with Pontoon arrangement.
- Pumps can be offered for 60 Hz.
- Pumps can be offered for Sea Water pumping
- Pumps can be offered for Hot Water pumping
- Variety of MOC's to choose from.

Recommendations

- Always flush the pump with clean water after use.
- In case of maintenance always use Genuine Spares.
- Ensure use of proper control panel for proper safety & running of Clear & Raw water pumps.
- Always ensure that pump is properly earth.

For exclusive range of
Darling products scan



DARLING PUMPS PVT. LTD.

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