

Creating ^{Clear Water} solutions
over three decades



Simply pump!

A COMPLETE OPEN WELL SUBMERSIBLE PUMP



Oil filled motors, mechanically sealed virtually maintenance free design

Vertical & compact design, higher heads in lesser no. of stages

Use of anti-friction ball bearing allows pumps to be installed in inclined positions

Provision to use these pumps on VFD can also be made

Choice of different M.O.C's

Special series to handle high liquid temperatures available

SINKO S & M SERIES PUMPS

DARLING PUMPS®
Pioneers in Submersible

SINKO (S SERIES)

Open well Submersible Pumps are ideal for mass & uninterrupted water supply in housing & commercial complex, agricultural farming, sprinkler & drip irrigation, river water pumping, village & municipal water supplies, fountains & waterfalls, domestic & gardening, industrial & hospital applications, A/c plants, cooling towers, mass water transfer etc.

DENOMINATION

Product code	S
Installation	Vertical/Inclined
Impeller characteristics	Closed

PROCESS DATA

Liquid temperature	Max +40°C
Liquid density	Max 1000 kg/m ³
Strainer hole size	Max up to 8 mm

MOTOR DATA

Submersible squirrel cage induction motor	
Frequency	50 Hz (±3%)
Voltage Variation	415 (+6/-15%)
Phase	Three
Starting	D.O.L/Star delta

SPEED & CURRENT

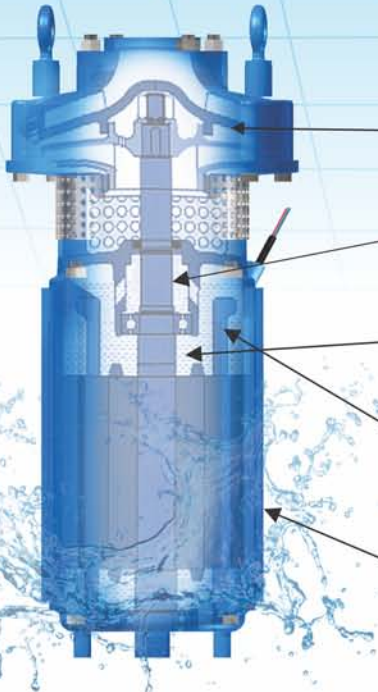
kW	Wt. (Kg)	Speed of motor(RPM)	Rated Current
2.2	41	2820	6.5
3.7	43	2830	9.5
4.8	48	2840	11
5.5	70	2850	13
7.5	80	2850	16
9.3	108	2860	19
11.2	125	2870	23
15	175	2880	32
18.5	180	2890	38
22	200	2890	45
30	240	2900	60
37	280	2900	72
55	415	2900	110

MATERIALS

Pump/Motor body	CI FG 200
Impeller	CI FG 200
Diffuser	WCB/CI
Sealing	Mechanical Seal
Shaft	EN 8

CABLE

Flat PVC Submersible cable



Specially designed highly efficient, wear resistant impellers

Mechanical seals working in oil bath

Motor filled with oil for effective cooling

Special PVC insulated winding

Sturdy, durable cast iron body

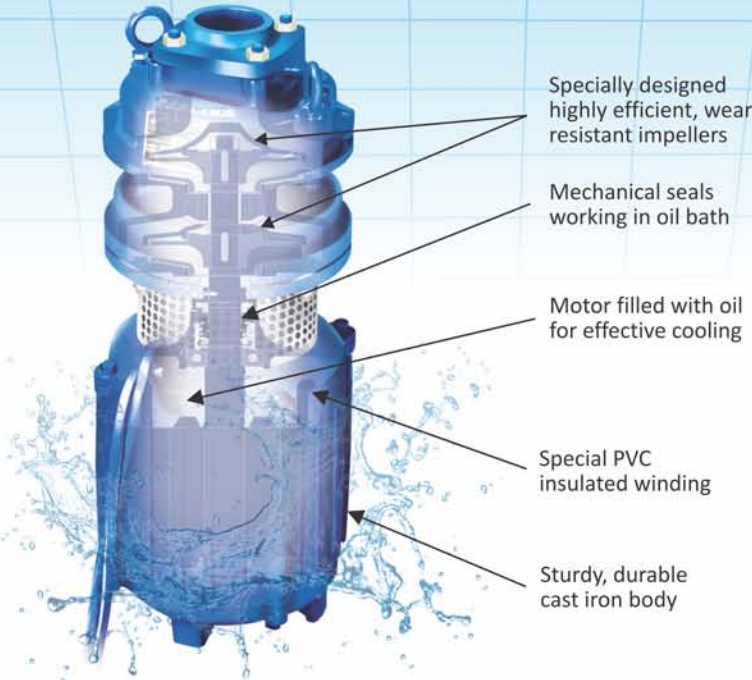
DARLING MAKE SUBMERSIBLE SINKO (S SERIES) PUMPS SINGLE STAGE PUMPS

Model	kW/HP	Outlet in MM/Inch	100	200	300	400	500	600	700	800	1000	DISCHARGE IN LPM
S-318	2.2/3	80/3"	-	22	20	18	16	13	10	-	-	
S-336	2.2/3	50/2"	34	30	23	20	-	-	-	-	-	
S-326	2.2/3	65/2.5"	25	24	23.5	22	19.5	16	12	-	-	
S-522	3.7/5	80/3"	-	-	25	24.5	24	21.5	21	18	-	
S-528	3.7/5	65/2.5"	27.5	27	26	25	23	21	18	14.5	-	HEAD IN MTRS
S-540	3.7/5	65/2.5"	-	37	35.5	35	32.5	30	27	24	-	
S-630	4.8/6.5	65/2.5"	31	29.5	29	28.5	27.5	26	23.5	20	13	
S-1050	7.5/10	65/2.5"	47.7	47.3	46.8	45.7	43.7	40	32	-	-	
Model	kW/HP	Outlet in MM/Inch	400	600	800	1000	1200	1400	1600	1800	2000	DISCHARGE IN LPM
S-723	5.5/7.5	100/4"	23	22.5	20.5	20	18	16	13	10	-	
S-1028	7.5/10	100/4"	26	25	24	23.5	21.5	19	15.5	12	-	
S-1042	7.5/10	80/3"	38.5	36	32	25	-	-	-	-	-	HEAD IN MTRS
S-1230	9.3/12.5	100/4"	29.5	28.5	28	26	25	23	20.5	18	-	
S-1530	11.2/15	100/4"	29.5	29	28.5	28	27	25.5	24	22	-	
S-1544	11.2/15	80/3"	43.5	40	37	32	23	-	-	-	-	
Model	kW/HP	Outlet in MM/Inch	600	1200	1800	2400	3000	3600	4200	4800	5000	DISCHARGE IN LPM
S-1017	7.5/10	100/4"	17	15.5	14	11.5	6.5	-	-	-	-	
S-1222	9.3/12.5	100/4"	21.5	21	19	15	8	-	-	-	-	
S-1523	11.2/15	100/4"	23	22	19.5	16	11	-	-	-	-	
S-2030	15/20	100/4"	33	32.5	29	25	18	-	-	-	-	
S-2033	15/20	100/4"	36	34	28	20	-	-	-	-	-	HEAD IN MTRS
S-2540	18.5/25	100/4"	39	37	34	28	20	-	-	-	-	
S-3028	22/30	150/6"	36	35	34	32	29	26	21	16	-	
S-3040	22/30	100/4"	39	37	35	30	23	26	-	-	-	
Model	kW/HP	Outlet in MM/Inch	100	200	300	400	500	600	700	800	900	DISCHARGE IN LPM
S-739	5.5/7.5	80/3"	37	36.5	35.5	34	32.5	31	27	22	17	HEAD IN MTRS
Model	kW/HP	Outlet in MM/Inch	1000	2000	3000	4000	5000	6000	7000	8000	9000	DISCHARGE IN LPM
S-5040	37/50	150/6"	39.5	39	37.7	35.8	32	25.5	-	-	-	HEAD IN MTRS
S-7560	55/75	150/6"	60	57.7	55	51.2	46.2	39	30	-	-	

Note: 1. Above performance is at rated voltage (415 Volts), 3 phase & rated frequency (50 Hz) 2. Above performance is for specific gravity 1 and viscosity as of water. 3. Due to continuous improvements from time to time, given performance is subject to change without any prior notice. 4. Highlighted / Bold duties are best efficiency point for given pump.

SINKO (M SERIES)

Open well Submersible Pumps are ideal for mass & uninterrupted water supply in housing & commercial complex, agricultural farming, sprinkler & drip irrigation, river water pumping, village & municipal water supplies, fountains & waterfalls, domestic & gardening, industrial & hospital applications, A/c plants, cooling towers, mass water transfer etc.



DENOMINATION

Product code	M
Installation	Vertical
Impeller characteristics	Closed

PROCESS DATA

Liquid temperature	Max +40°C
Liquid density	Max 1000kg/m ³
Strainer hole size	Max up to 8 mm

MOTOR DATA

Submersible squirrel cage induction motor	
Frequency	50 Hz (±3%)
Voltage Variation	415 (+6/-15%)
Phase	Three
Starting	D.O.L/Star delta

SPEED & CURRENT

kW	Wt. (Kg)	Speed of motor(RPM)	Rated Current
3.7	48	2830	9.5
4.8	43	2840	11
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11	125	2870	23
15	175	2880	32
18.6	180	2890	38
22	200	2890	45
30	240	2900	60
37	280	2900	72
45	330	2900	90
55	415	2900	110

MATERIALS

Pump/Motor Body	CI FG 200
Impeller	CI FG 200
Diffuser	WCB/CI
Sealing	Mechanical Seal
Shaft	EN 8

CABLE

Flat PVC Submersible cable

DARLING MAKE SUBMERSIBLE SINKO (M SERIES) PUMPS MULTI STAGE PUMPS

Model	kW/HP	No. of Stages	Outlet in MM/Inch	50	100	150	200	250	300	350	-	-	DISCHARGE IN LPM	
M-560	3.7/5	2	50/2"	60	53	48	30	-	-	-	-	-		
M-668	4.8/6.5	2	50/2"	69	63	60	51	40	-	-	-	-		
M-792	5.5/7.5	3	50/2"	90	84.5	75	64	-	-	-	-	-	HEAD IN MTRS	
M-10108	7.5/10	3	50/2"	105	100	94	85	70	50	-	-	-		
Model	kW/HP	No. of Stages	Outlet in MM/Inch	100	200	300	400	500	600	700	800	900	DISCHARGE IN LPM	
M-652	4.8/6.5	2	65/2.5"	51	49	47.5	41	34	24	11	-	-		
M-754	5.5/7.5	2	65/2.5"	52	51	49	45	39	30	-	-	-		
M-1055	7.5/10	2	65/2.5"	54	53	51	50	48	44	33	-	-		
M-1078	7.5/10	3	65/2.5"	72	70	65	59	51	41	-	-	-		
M-1258	9.3/12.5	2	65/2.5"	57.5	57	56.5	55	54	52	47	39	29	HEAD IN MTRS	
M-12104	9.3/12.5	4	65/2.5"	100	92	86	70.5	62	42	-	-	-		
M-1584	11.2/15	3	65/2.5"	81	78	77	73	69	62	54	44	35		
M-15104	11.2/15	4	65/2.5"	102	99	94	86	70	44	-	-	-		
M-2084	15/20	3	65/2.5"	87.5	87	86	85	82	78	70	47	-		
M-20104	15/20	4	65/2.5"	104	103	102	100	96	90	78	-	-		
Model	kW/HP	No. of Stages	Outlet in MM/Inch	400	600	800	1000	1200	1400	1600	1800	2000	DISCHARGE IN LPM	
M-2055	15/20	2	100/4"	51	49	48	47	45	39	-	-	-		
M-2080	15/20	2	80/3"	76	72	64	48	-	-	-	-	-		
M-2557	18.5/25	2	100/4"	56	55	54	53	52	49	46.5	43	-	HEAD IN MTRS	
M-3055	22/30	2	100/4"	55	54	53	52	51	50	46	44	38		
M-3080	22/30	3	100/4"	76	74	69	64	60	52	44	36	-		
M-30140	22/30	4	80/3"	122	108	82	60	-	-	-	-	-		
Model	kW/HP	No. of Stages	Outlet in MM/Inch	100	200	300	400	500	600	700	800	900	1000	DISCHARGE IN LPM
M-1574	11.2/15	2	80/3"	73	72	70	68	64	60	54	47	40	-	HEAD IN MTRS
M-20105	15/20	3	80/3"	100	96	92	85	78	70	61	52	-	-	
14-30105	22/30	3	80/3"	108	106	104	101	98	96	93	89	85	74	
Model	kW/HP	No. of Stages	Outlet in MM/Inch	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	DISCHARGE IN LPM
M-4060	30/40	2	100/4"	63.8	61.2	58	53.4	46.2	36	-	-	-	-	HEAD IN MTRS
M-5060	37/50	2	100/6"	58.5	57	55.3	53.5	51	48	44.8	40	34	-	
M-6070	45/60	2	100/6"	68.2	66.7	64	60.7	58.1	53.5	47	39	-	-	
M-75125	55/75	2	100/6"	119.7	114.2	106.2	94.3	76	-	-	-	-	-	
M-120100	90/120	2	100/6"	102.5	99.5	97	93.4	90.6	88	85	80.5	75	70	

Note: 1. Above performance is at rated voltage (415 Volts), 3 phase & rated frequency (50 Hz) 2. Above performance is for specific gravity 1 and viscosity as of water.
3. Due to continuous improvements from time to time, given performance is subject to change without any prior notice. 4. Highlighted / Bold duties are best efficiency point for given pump.

SINKO S & M SERIES



OUR COMPLETE RANGE OF PRODUCTS



CLEAR WATER PUMPS

Head
Up to 150 M

Capacity
Up to 6000 LPM

Rating
0.75 to 110 kW

Suitable for:

- Housing & commercial complex
- Sprinkler & drip irrigation
- River water pumping
- Gardening
- Water supplies in industries, hospital, hotels, cooling tower etc.
- Raw water pumping



DEWATERING PUMPS

Head
Up to 108 M

Capacity
Up to 12000 LPM

Rating
0.55 to 110 kW

Suitable for:

- Infrastructure project
- Construction sites
- Steel / power plant
- Pumping heavily contaminated water with sand & gravel
- Mines dewatering
- Micro tunneling projects



WASTE WATER PUMPS

Head
Up to 72 M

Capacity
Up to 1800 LPM

Rating
0.37 to 37 kW

Suitable for:

- Packaged STP / ETP
- Treated water
- Drainage & septic tanks waste pumping
- Industrial processes
- Pharmaceutical plant
- Waste in hotels, hospital, malls etc.



SEWAGE EFFLUENT PUMPS

Head
Up to 62 M

Capacity
Up to 14000 LPM

Rating
2.2 to 110 kW

Suitable for:

- Raw unscreened sewage.
- STP & ETP plants
- Sewage pumping station
- Boiler room
- Effluents & solvents
- Industrial waste water
- Storm & tunnel water de-watering



SLURRY PUMPS

Head
Up to 85 M

Capacity
Up to 14000 LPM

Rating
3.7 to 110 kW

Suitable for:

- AHP / CHP
- Metal processing unit
- Mineral processing unit
- Mineral mines
- Iron scale slurry
- Ceramic slurry

Disclaimer: On account of continuous improvements, data mentioned in this leaflet is subject to change without prior notice.



Simply pump!



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