

Dewatering
Creating solutions
over three decades



Simply pump!

STRONG PUMPS FOR STORM WATER



Automobile grade aluminum alloy for higher corrosive resistance & higher ductile strength

Light weight, robust & portable

Highly efficient & low running cost

Protection against dry running, unique design ensures continuous cooling

Mechanical seals independent of discharge pressure

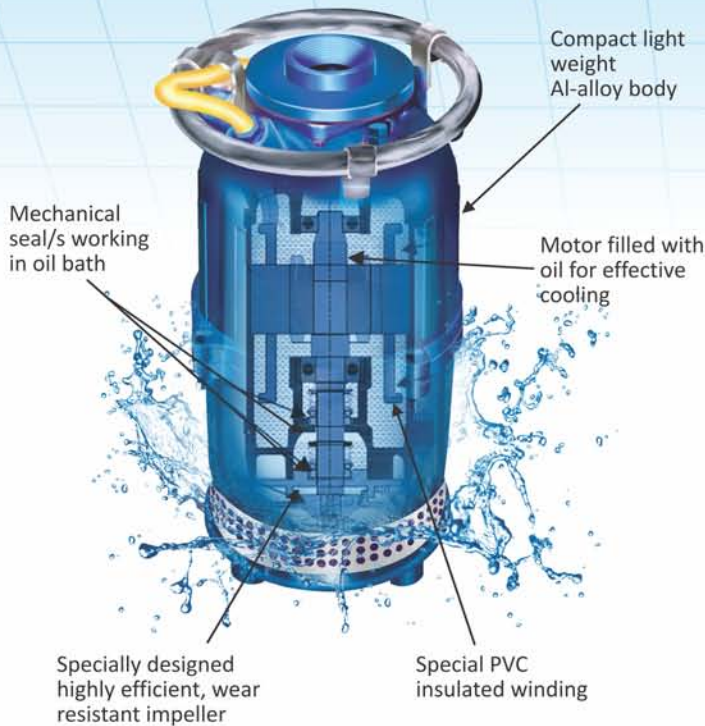
Ideal for tandem arrangement

J SERIES 3 TO 12.5 HP PUMPS

DARLING PUMPS
Pioneers in Submersible

J SERIES 3 & 5 HP

J Series 3 & 5 HP dewatering pumps are ideal for small & heavy duty dewatering applications, basement dewatering, construction sites, cable trench pits, civil infra projects, pumping contaminated water, drainage applications, mining & many more similar applications.



DENOMINATION

Product code	J
Installation	Vertical/Portable
Impeller characteristics	Radial/Non-clog
Discharge connection	2", 2.5" & 3"

PROCESS DATA

Liquid temperature	Max +40° C
Liquid density	Max 1100kg/m ³
Strainer hole size	Up to 8 mm
Suitable for liquid pH	6 to 8

MOTOR DATA

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

SPEED & CURRENT

kW	Wt. (Kg)	Speed of motor(RPM)	Rated Current
2.2	47	2830	6.5
3.7	50	2830	9.5

MATERIALS

Discharge shell	Al-alloy
Impeller	ASTM A217 GR CA 15
Motor body	Al-alloy
Strainer	Stainless steel
Shaft	EN-8
O-ring	Nitrile rubber

MONITORING EQUIPMENT

Thermal contacts cut off temperature +85°C

CABLE

Heavy-duty double sheathed Submersible cable

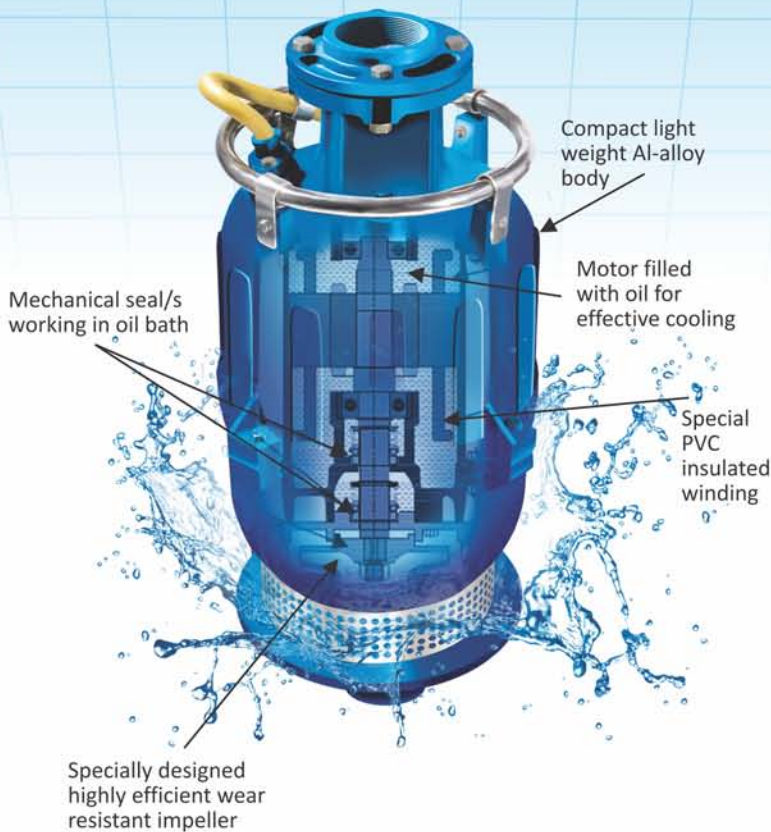
DARLING MAKE SUBMERSIBLE JUMBO SERIES PUMPS

Models	kW/HP	Outlet in MM/Inch	200	300	400	500	600	700	800	DISCHARGE IN LPM
J - 32	2.2/3	65 / 2.5	23	21.5	20	18	15	12	-	HEAD IN MTRS
J - 33	2.2/3	80 / 3	21	20	19	17	15	12		
J - 52	3.7/5	65 / 2.5	26	25	24	23	21	19	16	
Models	kW/HP	Outlet in MM/Inch	200	400	600	800	1000	1200	1400	DISCHARGE IN LPM
J - 33L	2.2/3	80 / 3	14	13	12	10	7	4	-	HEAD IN MTRS
J - 53	3.7/5	80/3	16.5	15.5	14	12	10	6.5		
Model	kW/HP	Outlet in MM/Inch	50	100	150	200	-	-	-	DISCHARGE IN LPM
J - 32H	2.2/3	50 / 2	38	36	30	24	-	-	-	HEAD IN MTRS

- 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.

J SERIES 7.5 TO 12.5 HP

J Series 7.5 to 12.5 HP dewatering pumps are ideal for small & heavy duty dewatering applications, basement dewatering, construction sites, cable trench pits, civil infra projects, pumping contaminated water, drainage applications, mining & many more similar applications.



DENOMINATION

Product code	J
Installation	Vertical/Portable
Impeller characteristics	Radial/Non-clog
Discharge connection	4" & 3"

PROCESS DATA

Liquid temperature	Max 40°C
Liquid density	1100 kg/m ³
Strainer hole size	Up to 8 mm
Suitable for liquid pH	6 to 8

MOTOR DATA

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

SPEED & CURRENT

KW	Wt. (Kg)	Speed of motor(RPM)	Rated Current
5.5	90	2850	13
7.5	98	2850	16
9.3	100	2850	19

MATERIALS

Discharge shell	Al-alloy
Impeller	ASTM A217 CA 15
Motor body	Al-alloy
Strainer	Stainless steel
Shaft	EN 8
O-ring	Nitrile rubber

MONITORING EQUIPMENT

Thermal contacts cut off temperature +85°C

CABLE

Heavy-duty double sheathed Submersible cable

DARLING MAKE SUBMERSIBLE JUMBO SERIES PUMPS

Models	HP	Outlet in MM/Inch	200	400	600	800	1000	1200	DISCHARGE IN LPM			
J - 72+	5.5/7.5	80 / 3	36	34	32	29	23	-	-	-	-	
J - 102+	7.5/10	80 / 3	39	37	35	31	27	23	-	-	-	
Models	HP	Outlet in MM/Inch	500	700	1000	1250	1500	1700	DISCHARGE IN LPM			
J - 73+	5.5/7.5	80 / 3	23	21.5	19.5	17	13	-	-	-	-	
J - 103+	7.5/10	80 / 3	27.5	26	24.5	22	17	-	-	-	-	
J - 1203	9.3/12.5	80 / 3	29	28	26.5	24	19	15	-	-	-	
Model	HP	Outlet in MM/Inch	150	300	450	600	750	DISCHARGE IN LPM				
J - 102SP+	7.5/10	65 / 2.5	47	44.5	42	38	33	-	-	-	-	
Models	HP	Outlet in MM/Inch	600	900	1200	1500	1800	2100	2400	2700	3000	DISCHARGE IN LPM
J - 74	5.5/7.5	100 / 4	12.5	11.75	11	10	9	8	6	-	-	-
J - 104	7.5/10	100 / 4	16.5	16	15	14	13	11.5	10	8	6	HEAD IN MTRS
J - 1204	9.3/12.5	100 / 4	19.5	19	18	17	16	14.5	12.5	10	-	HEAD IN MTRS

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

J SERIES 3 TO 12.5 HP PUMPS



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!



DARLING PUMPS PVT. LTD.

HEAD OFFICE

36-F, Sector B, Sanwer Road,
Indore - 452015, India.
Tel : +91 731 2720558, 2721782.
Fax : +91 731 2721136.
E-mail : dpplin@darlingpumps.in

SALES OFFICE

124, B-Wing, First Floor, Runwal Commercial Complex,
Opp. Govardhan Nagar, L.B.S. Marg,
Mulund (W), Mumbai - 400 080, India.
Tel : +91 22 25604451. Fax : +91 22 25682690.
E-mail : dpplm@darlingpumps.in

WORKS

K-No.340/2, Tigaria Badshah,
Agarbatti Complex, Industrial Estate,
Sanwer Road, Indore - 452015.
Tel : +91 731 2972043 / 2970052

EXPORTS

exports@darlingpumps.in



darlingpumps.in