

Creating <sup>Dewatering</sup> solutions  
over three decades



*Simply pump!*

# HEAVY DUTY & COMPLETE DEWATERING SOLUTIONS



Robust & portable pump for consistent & uninterrupted performance

Unique design ensures continuous cooling

Wide impeller passages, less wear & tear, better overall efficiencies

Motor capable to withstand adverse load fluctuations

Mechanical seals independent of discharge pressure

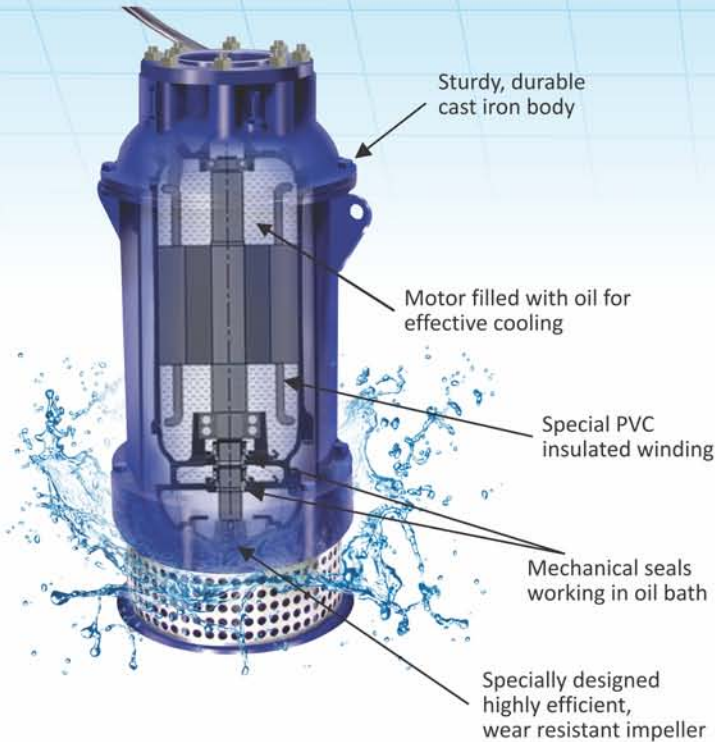
Ideal for tandem arrangement

J SERIES 15 TO 150 HP PUMPS

**DARLING PUMPS**  
Pioneers in Submersible

# J SERIES 15 HP TO 30 HP

J Series 15 HP to 30 HP Pumps are very much ideal for tough & varied pumping conditions, small & heavy duty dewatering applications, civil infra projects, Govt. civil projects, pumping heavily contaminated water with sand, gravel & sludge matters underground civil works, mines etc.



## DENOMINATION

Product code	J
Installation	Vertical/Portable
Impeller characteristics	Radial/Non-clog
Discharge connection	3", 4" & 6"

## PROCESS DATA

Liquid temperature	Max +40°C
Liquid density	Max 1100 kg/m <sup>3</sup>
Strainer hole size	Up to 16 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	Star delta

## SPEED & CURRENT

kW	Wt. (Kg)	Speed of motor(RPM)	Rated Current
11	260	2870	23
15	280	2880	32
18.6	310	2890	38
22	310	2890	45

## MATERIALS

Discharge shell	CI-FG-200
Impeller	ASTM A217 GR CA 15
Middle Shell	GDR 250 BR
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

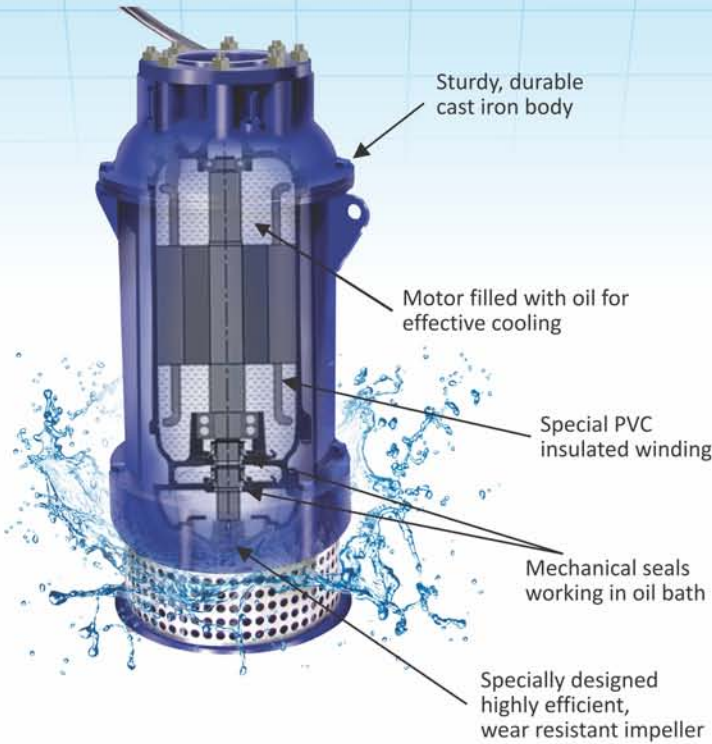
## DARLING MAKE SUBMERSIBLE JUMBO SERIES PUMPS

Model	kW/HP	Outlet in MM/Inch	200	400	600	800	1000	-	-	DISCHARGE IN LPM
J - 1503	11.2/15	80 / 3	47.5	45	<b>41.5</b>	<b>35.5</b>	27	-	-	HEAD IN MTRS
Models	kW/HP	Outlet in MM/Inch	600	900	1200	1500	1800	2100	2400	DISCHARGE IN LPM
J - 1504	11.2/15	100 / 4	28	27	26	<b>25</b>	<b>22</b>	<b>16</b>	-	
J - 2004	15/20	100 / 4	32	30	29	<b>27</b>	<b>25</b>	<b>20</b>	-	HEAD IN MTRS
J - 2504	18.5/25	100 / 4	50	46	<b>42</b>	<b>38</b>	<b>33</b>	30	-	
J - 3004	22/30	100 / 4	53	50	<b>46</b>	<b>41</b>	<b>36</b>	30	-	
Models	kW/HP	Outlet in MM/Inch	600	1200	1800	2400	3000	3600	-	DISCHARGE IN LPM
J - 1506	11.2/15	150 / 6	24	22	<b>19</b>	<b>16</b>	<b>13</b>	-	-	
J - 2006	15/20	150 / 6	31	30	<b>28</b>	<b>24</b>	<b>16</b>	-	-	HEAD IN MTRS
J - 2506	18.5/25	150 / 6	34	32	<b>30</b>	<b>26</b>	<b>18</b>	-	-	
J - 3006	22/30	150 / 6	36	34	<b>32</b>	<b>28</b>	<b>20</b>	-	-	
Models	kW/HP	Outlet in MM/Inch	500	1000	2000	3000	4000	5000	6000	DISCHARGE IN LPM
J - 1506B	11.2/15	150 / 6	17	15.5	14	<b>12.5</b>	<b>10</b>	-	-	
J - 2006B	15/20	150 / 6	24	22	20	<b>18</b>	<b>15</b>	-	-	HEAD IN MTRS
J - 2506B	18.5/25	150 / 6	29	28.5	26.5	<b>24</b>	<b>20</b>	<b>12</b>	-	
J - 3006B	22/30	150 / 6	32.5	31.5	29	<b>26</b>	<b>22</b>	<b>16</b>	-	

- 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 35 HP & ABOVE

J Series 35 HP & above pumps are very much ideal for tough & varied pumping conditions, small & heavy duty dewatering applications, civil infra projects, Govt. civil projects, pumping heavily contaminated water with sand, gravel & sludge matters underground civil works, mines etc.



## DENOMINATION

Product code	J
Installation	Vertical/Portable
Impeller characteristics	Radial/Non-clog
Discharge connection	4" & 6"

## PROCESS DATA

Liquid temperature	Max +40°C
Liquid density	Max 1100 kg/m <sup>3</sup>
Strainer hole size	Up to 16 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	Star delta

## SPEED & CURRENT

kW	Wt. (Kg)	Speed of motor(RPM)	Rated Current
26.1	330	2890	52
30	360	2900	60
37	400	2900	75
45	450	2900	90
55	500	2900	110

## MATERIALS

Discharge shell	CI-FG-200
Impeller	ASTM A217 GR CA 15
Middle Shell	GDR 250 BR
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

Model	kW/HP	Outlet in MM/Inch	600	900	1200	1500	1800	2100	2400	DISCHARGE IN LPM
J - 3504	26.1/35	100 / 4	62	60	<b>57.5</b>	<b>53</b>	<b>45.5</b>	40	-	HEAD IN MTRS
Model	kW/HP	Outlet in MM/Inch	600	1200	1800	2400	3000	3600	-	DISCHARGE IN LPM
J - 3506	26.1/35	150 / 6	38	36	<b>33</b>	<b>30</b>	<b>22</b>	-	-	HEAD IN MTRS
Model	kW/HP	Outlet in MM/Inch	500	1000	2000	3000	4000	5000	6000	DISCHARGE IN LPM
J - 4006	30/40	150 / 6	49	47.5	<b>44</b>	<b>38</b>	25	-	-	
J - 4006B	30/40	150 / 6	33	32.5	32	<b>31.5</b>	<b>29.5</b>	<b>25</b>	15	
J - 5006	37/50	150 / 6	59.5	58	<b>56</b>	<b>50</b>	37	-	-	
J - 5006B	37/50	150 / 6	37.5	37	36.5	<b>35.5</b>	<b>34</b>	<b>30</b>	22	HEAD IN MTRS
J - 6006	45/60	150 / 6	66	65	<b>62.5</b>	<b>57</b>	42	-	-	
J - 6006B	45/60	150 / 6	44.5	44	43	<b>41.5</b>	<b>39.5</b>	<b>36</b>	26	
J - 7506	55/75	150 / 6	68	67.5	<b>66</b>	<b>62</b>	50	37	-	
Model	kW/HP	Outlet in MM/Inch	600	800	1000	1200	1400	1600	1800	DISCHARGE IN LPM
J - 5004	37/50	100 / 4	89	86	83.5	81	<b>75</b>	<b>69</b>	60	HEAD IN MTRS
J - 6004	45/60	100 / 4	105	104	101	<b>96.5</b>	<b>90</b>	<b>82</b>	72	

- 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 15 HP TO 150 HP



### 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