

Changing
lives
for **better**

DARLING
PUMPS GROUP **DARLING**
PUMP 
Designing SMART pumping solutions...

Dewatering Pumps

Simplified dewatering...



DJ Series

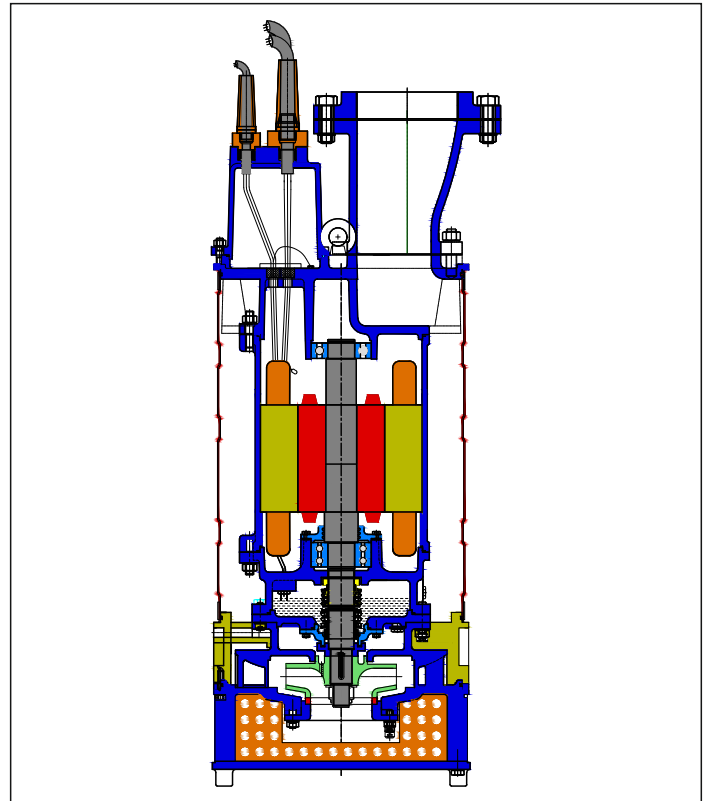


DJ Series : Features & Dimensions

Features

- **Impeller** - Wear Resistant SS Impeller with wide passages that can pass solid up to 16mm.
- **Motor** - Motor capable to withstand wide voltage fluctuations, Highly efficient dry motors with built-in protection against temperature rise.
- **Shaft** - Extra heavy duty SS shaft not exposed to pumpage liquid.
- **Mechanical Seals** - Dual mechanical seal, independent of discharge pressure, thus providing improved seal life.
- **Bearing** - Heavy duty ball bearing used at top and bottom ends to balance adverse load.
- **Seal-Guard Protection** - Additional protection for Mechanical Seal by seal guard.
- **Cable Sealing** - Special leak proof cable sealing arrangement to avoid ingress of water through cable. No need to open motor for changing cable.
- **Cooling** - Run-through cooling for better heat dissipation & low minimum submergence.

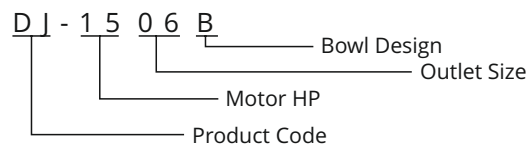
Cross Sectional View



Denominations

Product Code	DJ
Installation	Vertical / Portable
Impeller Characteristic	Radial / Nonlog
Discharge Connection	100/150 mm

Nomenclature



Dimensions

PUMP MODEL	HP/KW	RPM	OUTLET/DN SIZE	SOLID PASSAGE	MIN. SUB.	WIDTH (Approx.)	HEIGHT (Approx.)	NET WT. (kg)*
DJ-1504	15/11	2900	100	8	180	390	1000	227
DJ-1506	15/11	2900	150	16	180	435	1040	227
DJ-1506B	15/11	2900	150	16	200	435	1030	247
DJ-2004	20/15	2900	100	8	180	390	1035	257
DJ-2004H	20/15	2900	100	8	180	390	1025	260
DJ-2006	20/15	2900	150	16	180	435	1080	257
DJ-2006B	20/15	2900	150	16	200	435	1070	277
DJ-2504	25/18.5	2900	100	8	180	390	1055	265
DJ-2506	25/18.5	2900	150	16	180	435	1110	265
DJ-2506B	25/18.5	2900	150	16	200	525	1100	285
DJ-3004	30/22	2900	100	8	180	390	1055	270
DJ-3006	30/22	2900	150	16	180	435	1110	270
DJ-3006B	30/22	2900	150	16	200	525	1100	290
DJ-3504	35/26.1	2900	100	8	180	390	1085	275
DJ-3506	35/26.1	2900	150	16	180	435	1130	275
DJ-4006	40/30	2900	150	16	340	545	1530	490
DJ-4006B	40/30	2900	150	16	1500	545	1560	490
DJ-5006	50/37	2900	150	16	340	545	1585	522
DJ-5006B	50/37	2900	150	16	1500	545	1610	522
DJ-6006	60/45	2900	150	16	340	545	1665	565
DJ-6006B	60/45	2900	150	16	1500	545	1695	565
DJ-7506	75/55	2900	150	16	350	545	1750	650
DJ-10006	100/75	2900	150	16	350	545	1790	730

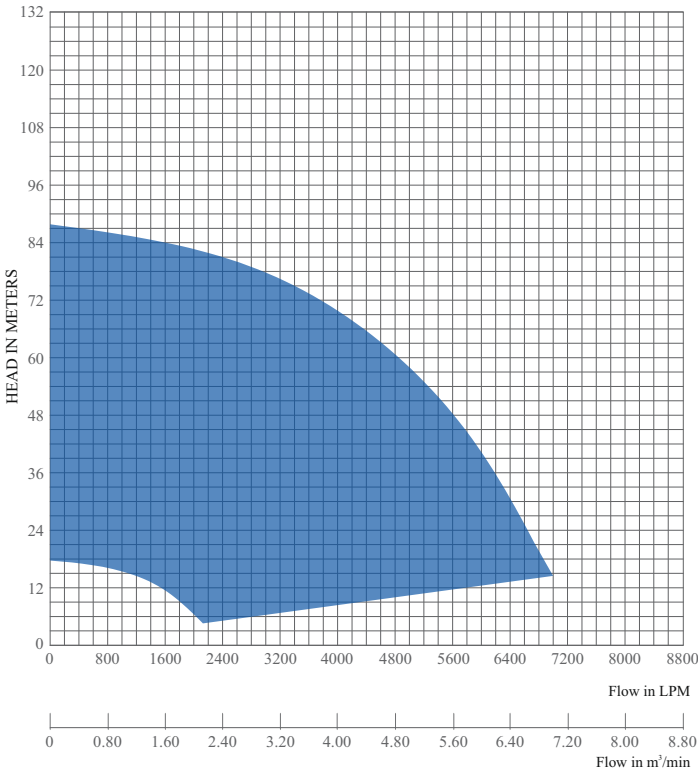
* without cable

Note: All dimensions are in millimeter (mm).

DJ Series : Technical Specifications & Performance

Performance (Range)*

(Upto 100 HP / 88M Head / 7000LPM Flow)



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

Tech. Specifications*

Rating	: Up to 100HP
RPM	: 2900 (nominal)
Frequency	: 50Hz
Supply	: Three Phase - 415 V
Starting	: DOL / STARDELTA
Motor	: Wet type / Dry Type

Process Data

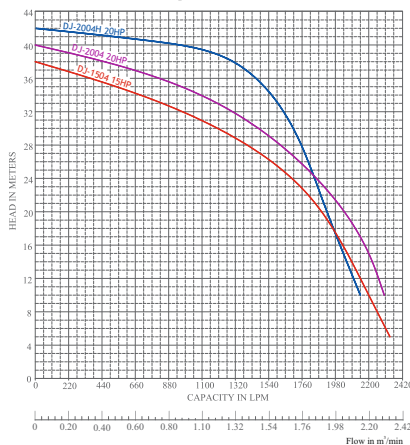
Liquid Temperature	Max 40°C
Liquid Density	Max 1100 kg/m ³
Suitable for Liquid pH	6 to 8
Strainer Hole Size	Up to 16 mm

Materials*

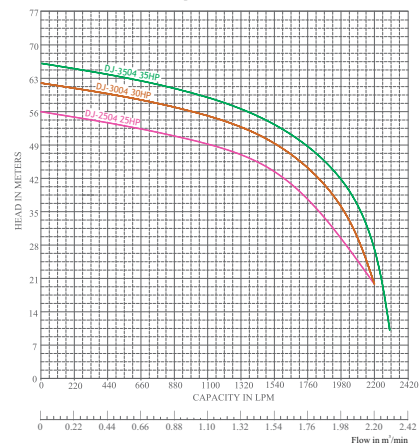
Impeller	: CA-15, CF8, CF8M
Shaft	: AISI-410, SS-304, SS-316
Difusser	: Various grades of CI / AL / SS
Wear Plate	: Various grades of CI / SS
Mech. Seal	: Sic v/s Sic, Tc v/s Tc

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

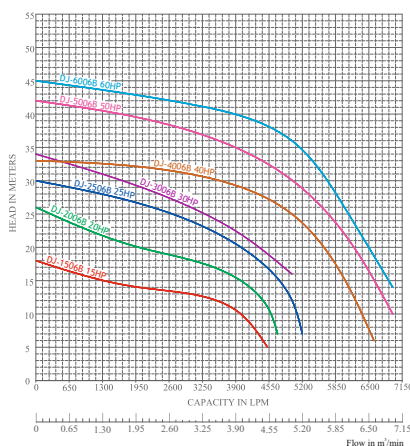
Performance for Pump in DN-100mm (15 to 20HP)



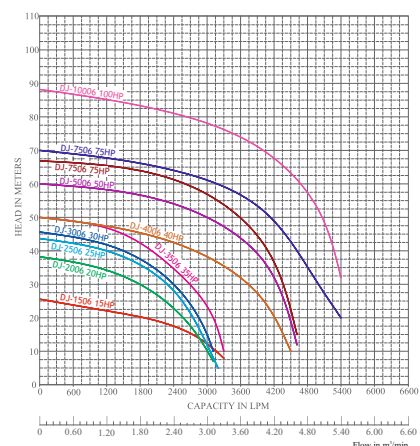
Performance for Pump in DN-100mm (25 to 35HP)



Performance for Pump in DN-150mm (Bowl Type)



Performance for Pump in DN-150mm (Diffuser Type)



For pumps above 100HP please consult our application engineer.

User Industries and Applications



Civil and Infra Sector

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



Mines

- Underground water pumping
- Dewatering of fluids with abrasive particles
- High head water pumping
- Portable dewatering
- Dewatering of contaminated water with sediments



Docks & Marines

- Sea water pumping
- Pumping Highly contaminated marine water with muck & sediments
- Dry dock pumping
- Ship repair yards
- Ship dewatering
- Dewatering at ports and jetties



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.
- Option of pumps with inbuilt agitator arrangement.
- Pumps can be offered for 60Hz.
- Variety of MOCs to choose from.
- Special series of pumps for pumping hot water.
- Special series of pumps for saline water pumping.

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 Dewatering pumps.
- Always ensure that pump is properly earth.

For exclusive range of Darling products scan



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