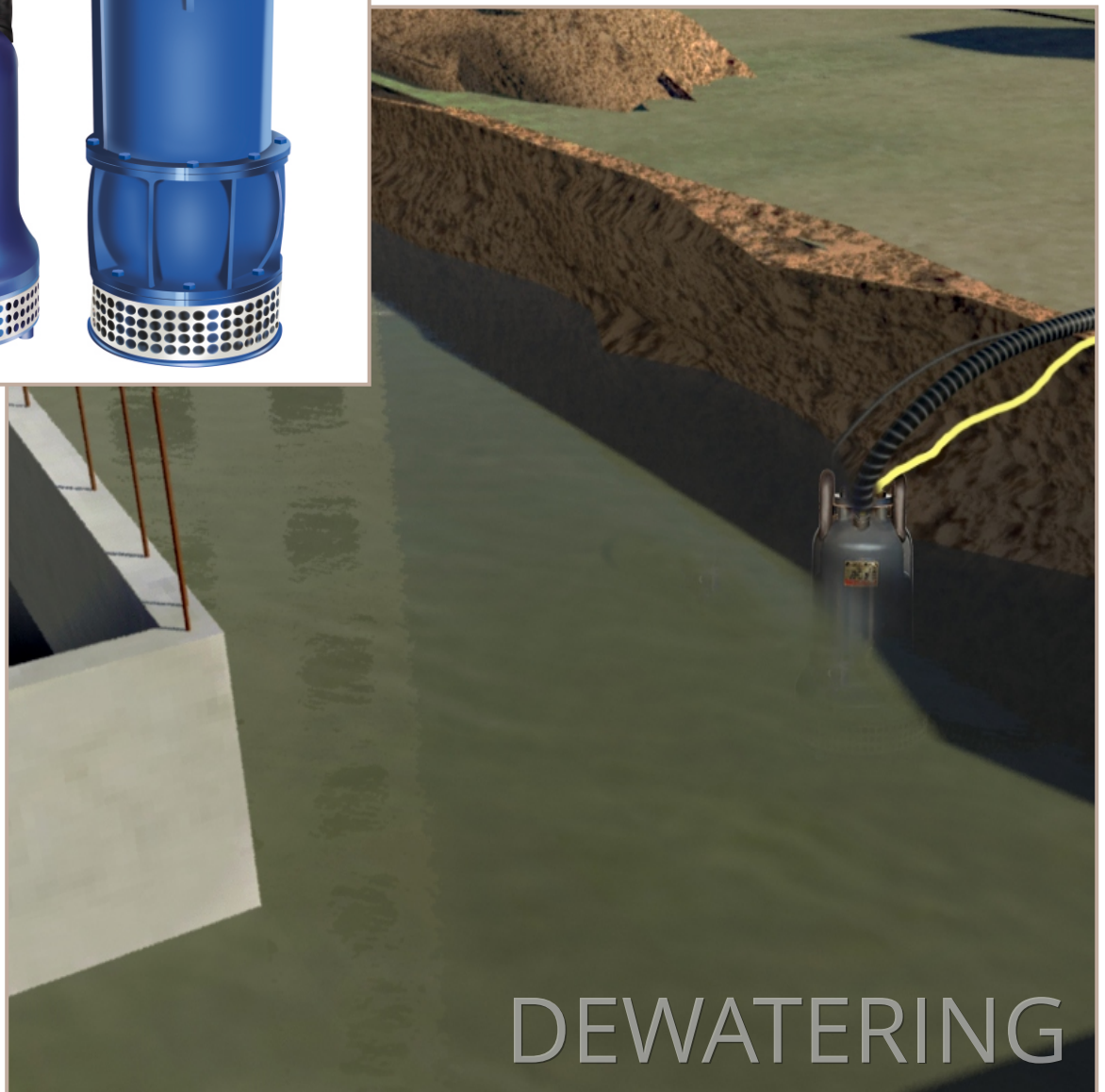


Dewatering Pumps

Simplified dewatering...



TL / JL Series



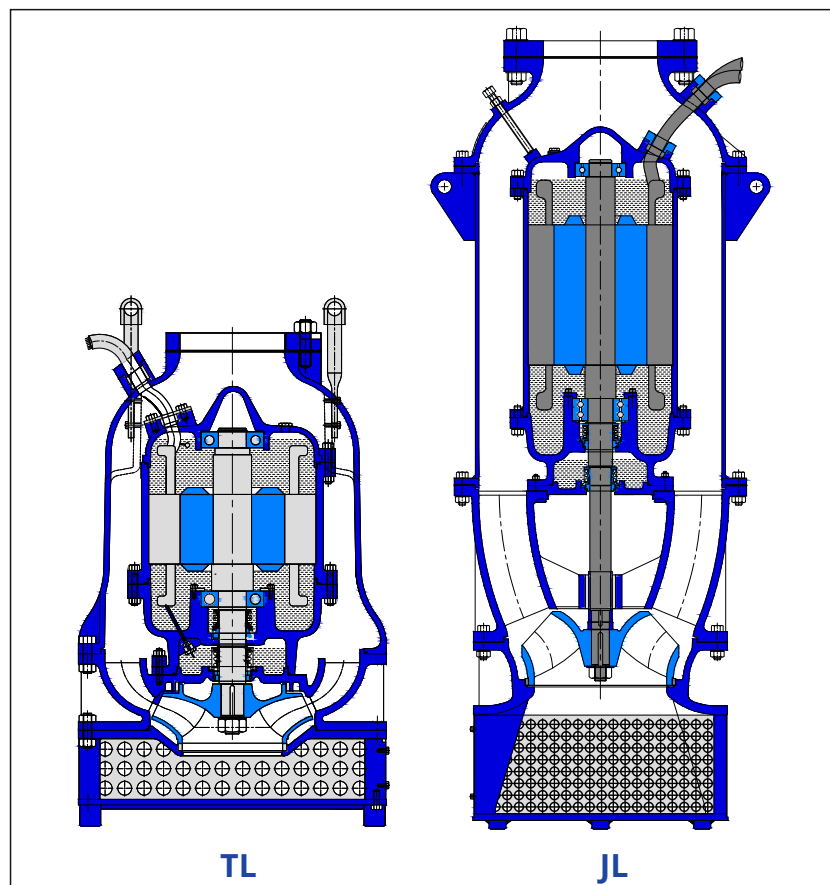
DEWATERING

TL & JL Series : Features & Dimensions

Features

- **Impeller** - Specially designed highly efficient impeller having wide passage for solids up to 25mm.
- **Motor** - Highly efficient oil filled motor, better heat dissipation & no hot spot.
- **Mechanical Seals** - Dual mechanical seal, independent of discharge pressure, thus provide improved seal life.
- **Bearing** - Heavy duty ball bearing used at top and bottom ends to balance adverse load.
- **Cable Sealing** - Special cable sealing arrangement, Leak proof cable jointing to avoid ingress of water through cable.
- **Shaft** - Extra heavy duty SS shaft not exposed to pumpage liquid.
- **Cooling** - Run-through cooling for better heat dissipation & low minimum submergence.
- **Portable** - Light-weight & modular design for better handling.

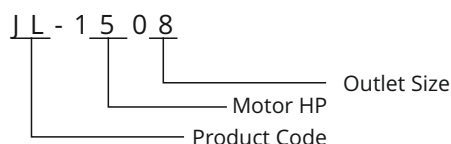
Cross Sectional View



Denominations

Product Code	TL/JL
Installation	Vertical / Portable
Impeller Characteristic	Radial / Nonclog
Discharge Connection	100/150/200 mm

Nomenclature



Dimensions

* without cable

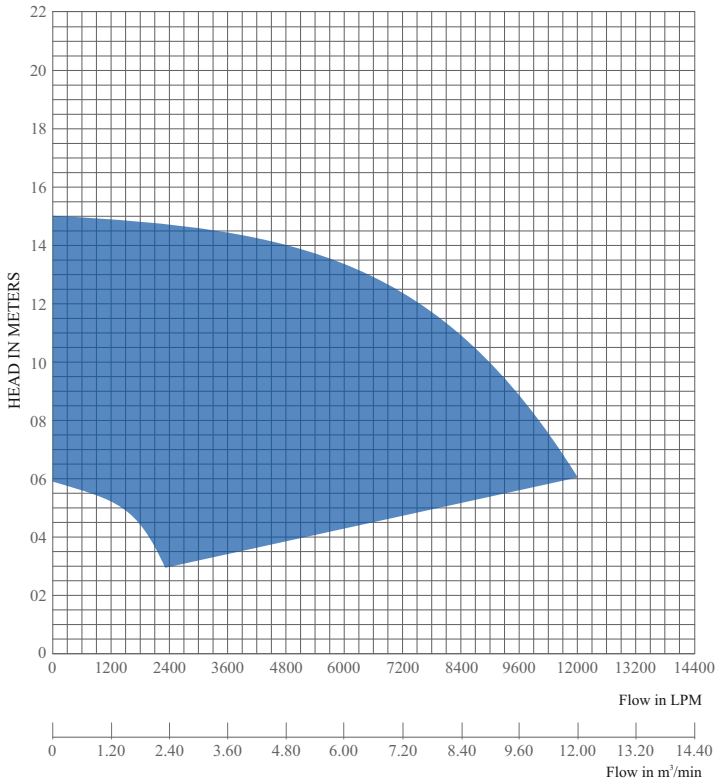
PUMP MODEL	HP/KW	RPM	OUTLET / DN SIZE (mm)	SOLID PASSAGE (mm)	MINIMUM SUBMERGE (mm)	WIDTH (Approx.) (mm)	HEIGHT (Approx.) (mm)	NET WEIGHT (kg)*
TL-34	3.0/2.2	1450	100	16	150	396	695	65
TL-54	5.0/3.7	1450	100	16	150	396	695	70
TL-76	7.5/5.5	1460	150	20	200	445	760	100
TL-106	10/7.5	1460	150	25	200	445	760	105
JL-1508	15/11	1450	200	16	250	520	1230	280
JL-2008	20/15	1460	200	16	250	520	1230	290
JL-2508	25/18.5	1460	200	16	250	520	1245	310
JL-3008	30/22	1460	200	16	380	605	1425	350
JL-3506	35/26.1	1460	150	16	335	660	1245	400

Note: All dimensions are in millimeter (mm).

TL & JL Series : Technical Specifications & Performance

Performance (Range)*

(Upto 35 HP / 15M Head / 12000LPM Flow)



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

Tech. Specifications*

Rating	: Up to 35HP
RPM	: 1450 (nominal)
Frequency	: 50Hz
Supply	: Three Phase - 415 V
Starting	: DOL / Star Delta
Motor	: Wet type

Process Data

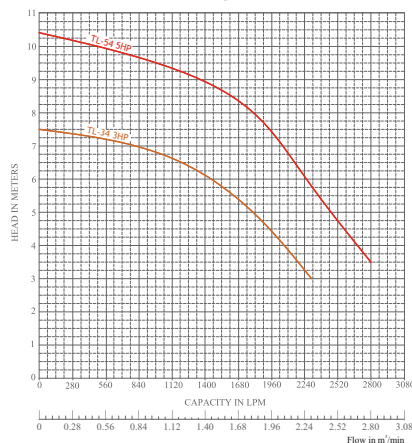
Liquid Temperature	Max 40°C
Liquid Density	Max 1100 kg/m³
Suitable for Liquid pH	6 to 8
Strainer Hole Size	Up to 25 mm

Materials*

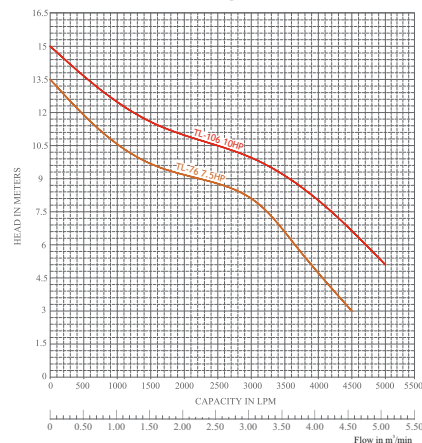
Impeller	: CA-15, CF8, CF8M
Shaft	: AISI-410, SS-304, SS-316
Difusser	: Various grades of CI / AL / SS
Wear Plate	: Various grades of CI / SS
Mech. Seal	: Sic v/s Sic, Tc v/s Tc

* Option of complete pump in special MoC is also available

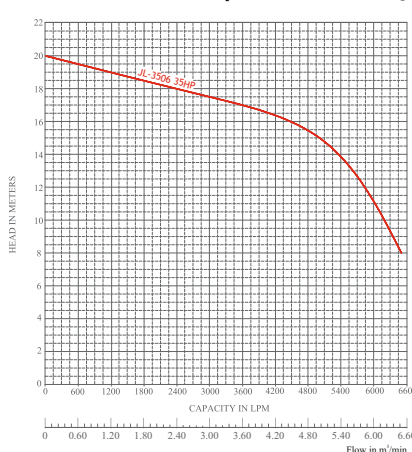
Performance for Pump in DN-100mm (TL)



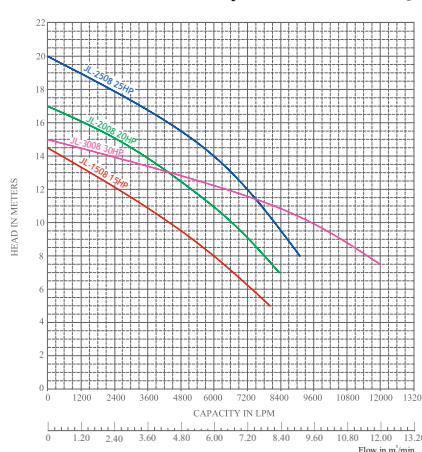
Performance for Pump in DN-150mm (TL)



Performance for Pump in DN-150mm (JL)



Performance for Pump in DN-200mm (JL)



User Industries and Applications



Building Services

- Storm water pumping
- Basement sump dewatering
- Landscaping
- Fountains
- Waterfalls
- Horticulture & irrigation projects



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 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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