



**DARLING<sup>®</sup>**  
**PUMP**

*Designing SMART pumping solutions...*

DEWATERING simplified...



DEWATERING

# Heavy Duty Dewatering Pumps - DJ & J Series

## Applications

- Basement & Storm Water Dewatering
- Pumping Heavily Contaminated Water with Sand Gravel and Sludge at various construction sites
- Sea water Pumping
- Industrial Water Dewatering
- Dam Sites & Deep Excavation
- Micro Tunneling Projects
- Underground Civil Projects
- & many more similar applications...



## Features

- Portable and lightweight
- Built-in protection against overheating mechanical jamming and dry running
- Modular design for better interchangeability
- Built-in efficiency restoration system
- Mechanical seals fully protected - thus improved seal life
- Least minimum submergence - maximum dewatering
- Reduced maintenance cost - enhanced life cycle of pumps
- Special series for pumping hot temperature liquids.

## Denominations

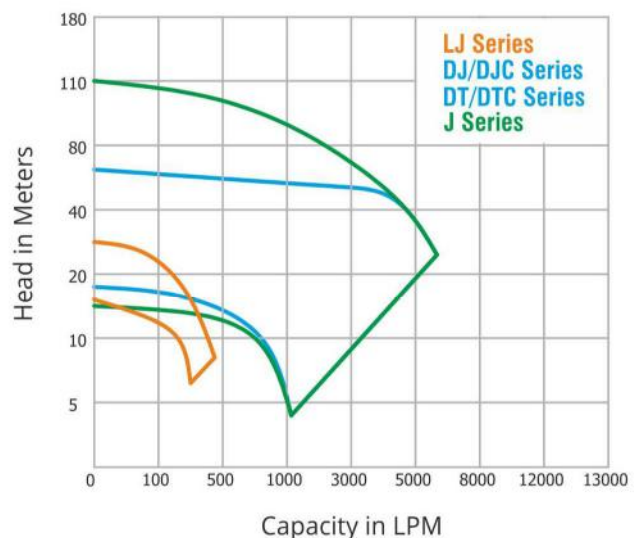
Product Code	LJ, DJ, DT & J
Installation	Vertical / Portable
Impeller Characteristic	Radial / Non-clog
Discharge Connection	50/65/80/100/150 mm

## Process Data

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

## Technical Specifications

<b>Flow</b>	: Up to 6000 LPM
<b>Head</b>	: Up to 110 m
<b>Rating</b>	: 0.55kW to 110kW
<b>Frequency</b>	: 50Hz
<b>Supply</b>	: Three Phase - 415 V
<b>Motor</b>	: Wet type / Dry Type
<b>Starting</b>	: DOL / STAR DELTA
<b>RPM</b>	: 2900 (nominal)
<b>Materials</b>	: Al-Alloy, Cast Iron, Various grades of SS & Duplex





# Large Volume Pumps - TL & JL Series

## Applications

- Flood Relief Pumping
- Pumping Heavily Contaminated Water with Sand Gravel and Sludge at various construction sites
- Industrial Water Dewatering
- Dam Sites
- Bridge Building
- Road Building Projects
- Underground Civil Works
- & many more similar applications...



## Features

- High efficiency and lower HP's ensuring more litres of water pumped/₹
- Automobile grade Aluminium Alloy ensures higher corrosive resistance and better ductile strength
- Protection against dry running, unique design ensures continuous cooling
- Wide impeller passages less wear and tear, better overall efficiencies
- Motor capable to withstand wide voltage fluctuations
- Mechanical seals independent of discharge pressure
- Slow speed motors - extended pump life

## Denominations

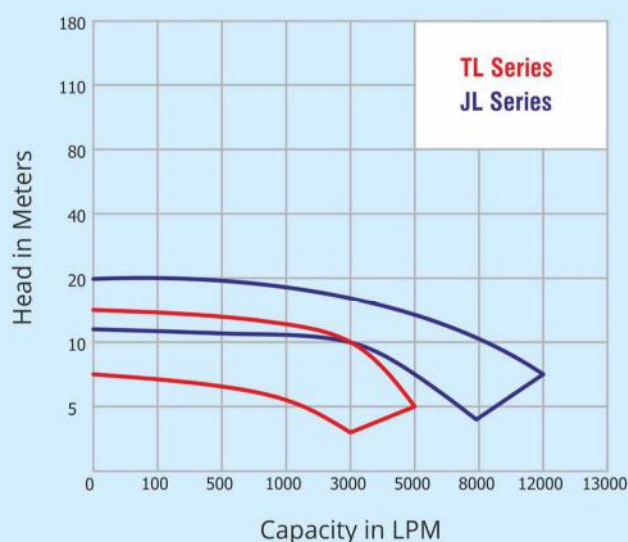
Product Code	TL, JL
Installation	Vertical / Portable
Impeller Characteristic	Radial / Mix flow
Discharge Connection	100/150/200 mm

## Process Data

Liquid Temperature	Max 40°C
Liquid Density	Max 1100 kg/m <sup>3</sup>
Suitable for Liquid pH	6 to 8
Strainer Hole Size	Up to 25 mm

## Technical Specifications

<b>Flow</b>	: Up to 12000 LPM
<b>Head</b>	: Up to 20 m
<b>Rating</b>	: 2.2kW to 22kW
<b>Frequency</b>	: 50Hz
<b>Supply</b>	: Three Phase - 415 V
<b>Motor</b>	: Wet type / Dry Type
<b>Starting</b>	: DOL / STAR DELTA
<b>RPM</b>	: 1450 (nominal)
<b>Materials</b>	: Al-Alloy, Cast Iron & Various grades of SS



# High Head Dewatering Pumps - TH Series

## Applications

- Micro Tunneling Projects
- Pumping Heavily Contaminated Water with abrasive particles
- Ideal for high head pumping of contaminated liquids
- Mines Dewatering
- Deep Excavation
- Bridge Building
- Underground Civil Projects
- & many more similar applications...



## Features

- Compact, easy to handle design ensures better reach to maximum depth
- All rotating parts are made of special abrasive resistant metals and are independently replaceable
- Fully covered shaft is not exposed to pumped liquid hence less wear and tear
- Built-in overload protection
- Built-in efficiency restoration system
- Mechanical seals independent of discharge pressure
- Special metallurgy to handle abrasive liquids

## Denominations

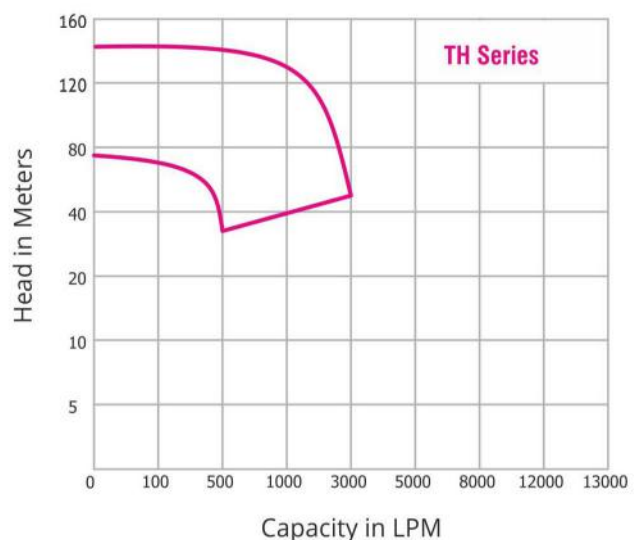
Product Code	TH
Installation	Vertical / Portable
Impeller Characteristic	Radial / Non-clog
Discharge Connection	80/100 mm

## Process Data

Liquid Temperature	Max 40°C
Liquid Density	Max 1200 kg/m <sup>3</sup>
Suitable for Liquid pH	6 to 8
Strainer Hole Size	Up to 16 mm

## Technical Specifications

<b>Flow</b>	: Up to 3000 LPM
<b>Head</b>	: Up to 140 m
<b>Rating</b>	: 11.3kW to 75kW
<b>Frequency</b>	: 50Hz
<b>Supply</b>	: Three Phase - 415 V
<b>Motor</b>	: Wet type / Dry Type
<b>Starting</b>	: STAR DELTA
<b>RPM</b>	: 2900 (nominal)
<b>Materials</b>	: Cast Iron & Various grades of SS





APPLICATIONS		PRODUCTS						
		L J	DJ/DT	J	T L	J L	T H	H T <sup>*</sup>
CONSTRUCTION	Storm Water & Basement Dewatering	✓	✓	✓				
	Heavily Contaminated water		✓	✓	✓	✓		
	Roads / Bridge building projects	✓	✓	✓	✓	✓	✓	
	Dam sites/Flood relief/Mass water transfer			✓	✓	✓		
	Micro-tunneling & Underground Civil works			✓			✓	
	Govt. Infra projects	✓	✓	✓	✓	✓	✓	
POWER	Storm water disposal	✓	✓	✓	✓	✓		
	Treated water collection sumps	✓	✓	✓	✓	✓		
	Water mixed with oil & mud	✓	✓	✓	✓	✓		
	Seepage water at Dam galleries			✓	✓	✓		
	Utility water disposal	✓	✓	✓	✓	✓		
	Civil & Construction projects	✓	✓	✓	✓	✓	✓	
STEEL	Process water disposal		✓	✓	✓			
	Jetty area	✓	✓	✓	✓			
	Hot liquids in Casters/Coke Oven/HSM/BF							✓
	Emergency water disposal			✓	✓	✓		
	Waste / Utility water disposal	✓	✓	✓	✓	✓		
	Iron Ore mines / High-head applications			✓			✓	
INDUSTRIAL	Industrial Infrastructure	✓	✓	✓	✓			
	Cable trench pits	✓	✓					
	River water pumping			✓	✓	✓	✓	
	Waste / Utility water disposal	✓	✓	✓	✓			
	De-settling of water	✓	✓	✓	✓	✓		
	Emergency water disposal	✓	✓	✓	✓	✓		
OTHER	Port Trust & Dockyards			✓	✓	✓		
	Mines		✓	✓	✓	✓	✓	
	Ordinance Factories	✓	✓	✓	✓	✓		✓
	Airports / Railways	✓	✓	✓	✓	✓	✓	
	River Linking projects		✓	✓	✓	✓	✓	
	Hotels / Hospitals / Comm. Buildings	✓	✓	✓	✓	✓		

Applications mentioned above are not conclusive, these pumps can be offered for many more similar applications.

*\*Hot Liquids Series*

Research Agriculture Government Agencies Water and Sewerage  
 Steel Plants Research Mines Textile Industries  
 Irrigation Projects Power Sector Civil Infraprojects Petroleum Sector  
 Tunnel Dewatering Atomic Energy Civil Infraprojects  
 Electricity Boards Fountains Water and Sewerage  
 Satellite & Space Agencies  
 Port Trusts Construction Railways Port Trusts Textile  
 Irrigation Projects Cement Industries Food & Pharma Industries  
 Electricity Boards Railways Cement Industries Construction  
 Fountains Textile  
 Irrigation  
 Steel  
 Mine  
 Power



### Our Product Range

- Clear Water Pumps • Raw Water Pumps • Dewatering Pumps • Waste Water Pumps
- Vertical Wet Pit Pumps • Sewage Handling Pumps • Slurry Handling Pumps
- Pump Control Systems ...and various pumping accessories

**DARLING PUMPS PVT. LTD.**

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