

Changing  
**lives**  
for **better**

# Dewatering Pumps

Simplified dewatering...



TH Series

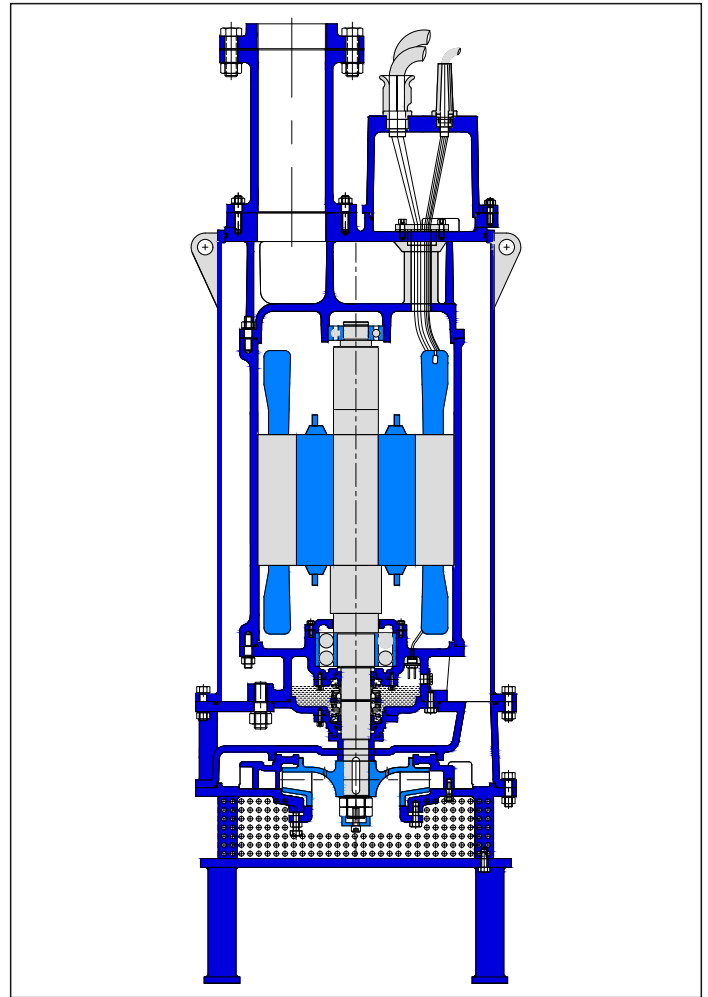


# TH Series : Features & Dimensions

## Features

- **Impeller** - High wear resistant SS Impeller, capable of pumping abrasive liquids.
- **Motor** - Highly efficient dry motors with built-in protection against temperature rise & moisture sensor for indication for seal failure.
- **Efficiency Restoration System** - Adjustable Neckring / Wear ring to restore efficiency.
- **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** - Specially designed cable gland to avoid undue stress on cable joint.
- **Shaft** - Extra heavy duty SS shaft not exposed to pumpage liquid.
- **Cooling** - Run-through cooling for better heat dissipation & low minimum submergence.
- **Seal-Guard Protection** : Additional protection for mechanical seal by seal guard.
- **Portable** - Compact, easy to handle design ensures better reach at maximum depth.

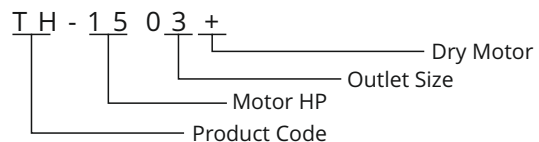
## Cross Sectional View



## Denominations

Product Code	TH
Installation	Vertical / Portable
Impeller Characteristic	Radial / Nonclog
Discharge Connection	80/100 mm

## Nomenclature



## Dimensions

\* without cable

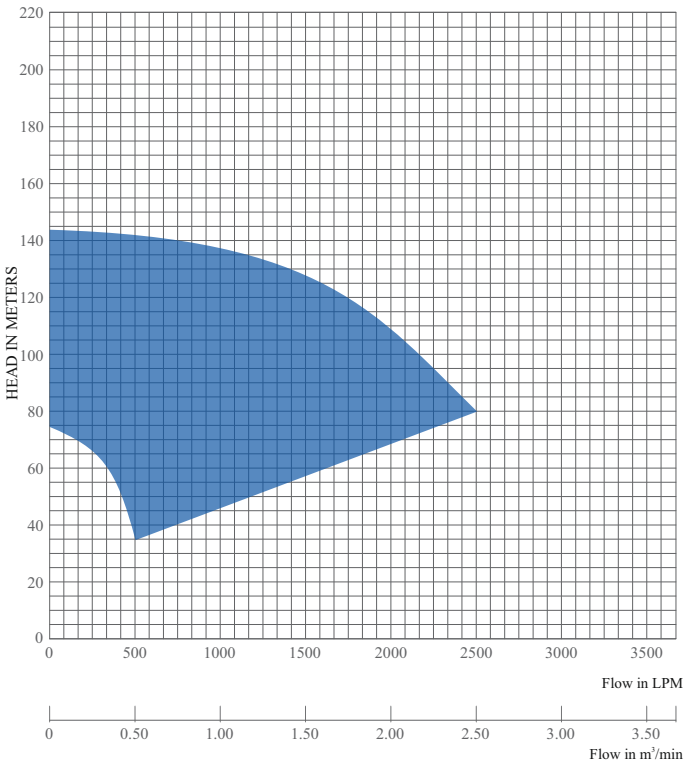
PUMP MODEL	HP/KW	RPM	OUTLET / DN SIZE (mm)	SOLID PASSAGE (mm)	MINIMUM SUBMERGE (mm)	WIDTH (Approx.) (mm)	HEIGHT (Approx.) (mm)	NET WEIGHT (kg)*
TH-1503+	15/11	2920	80	8	140	485	990	248
TH-2003+	20/15	2930	80	8	140	485	1030	260
TH-4004	40/30	2955	100	8	340	545	1520	490
TH-5004	50/37	2960	100	8	340	545	1570	522
TH-6004	60/45	2960	100	8	340	545	1625	565
TH-7504	75/55	2965	100	8	340	545	1740	650
TH-10004	100/75	2940	100	8	340	550	1775	730

Note: All dimensions are in millimeter (mm).

# TH Series : Technical Specifications & Performance

## Performance (Range)\*

(Upto 100 HP / 142M Head / 2500LPM Flow)



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

## Tech. Specifications\*

<b>Rating</b>	: Up to 100HP
<b>RPM</b>	: 2900 (nominal)
<b>Frequency</b>	: 50Hz
<b>Supply</b>	: Three Phase - 415 V
<b>Starting</b>	: Star Delta
<b>Motor</b>	: Wet type / Dry Type

## Process Data

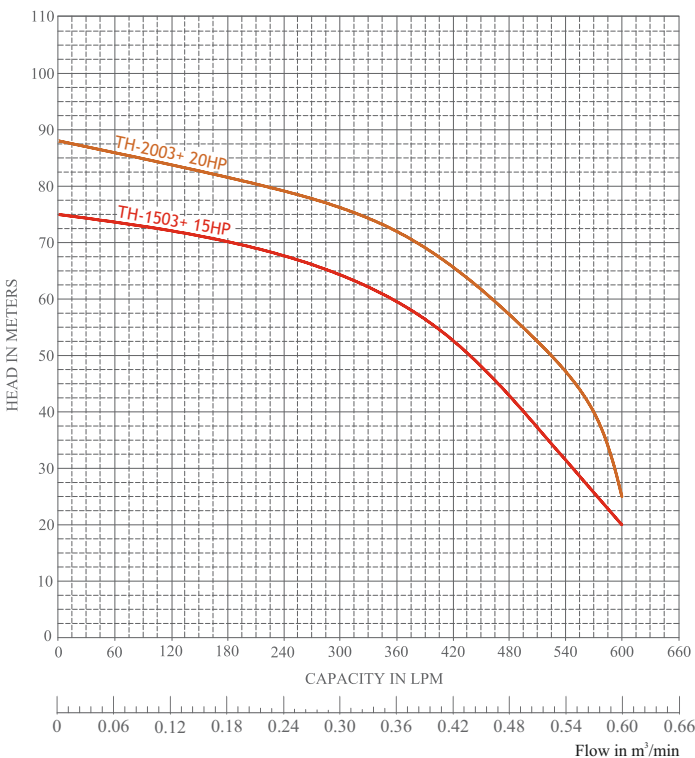
Liquid Temperature	Max 40°C
Liquid Density	Max 1100 kg/m <sup>3</sup>
Suitable for Liquid pH	6 to 8
Strainer Hole Size	Up to 8 mm

## Materials\*

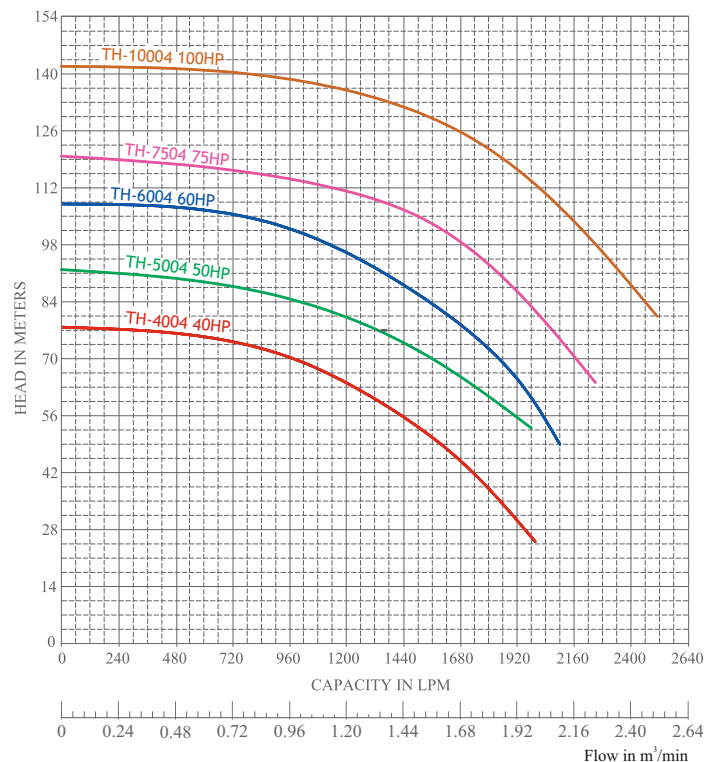
Impeller	: CA-15, CF8, CF8M
Shaft	: AISI-410, SS-304, SS-316
Difusser	: Various grades of CI / AL / SS
Wear Plate	: Various grades of CI / SS
Mech. Seal	: Sic v/s Sic, Tc v/s Tc

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

### Performance for Pump in DN-80mm



### Performance for Pump in DN-100mm



**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.

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