

# HOT

## Sump Submersible Pumps - Horizontal Tiny



### Construction

Horizontal sump Tiny Submersible pumps are designed to work in small open wells. Horizontal openwell tiny pump sets are sleek compact and light in weight for easy portability. Specially designed light weight impeller gives high discharge properties.

### Applications

- Agriculture
- Domestic Building Services
- Commercial Building Services
- Public Utilities

### Operating Conditions

- Liquid temperature : upto 33 °C
- Total Solids : 3000ppm (Max.)
- Durability : 50ppm (Silica Scale Max.)
- Continuous duty

### Water filled Rewindable motor

- 2-pole Induction motor, 50Hz (n= 2900 rpm)
- For single phase 220V and for Three Phase 415V (50 Hz)
- Voltage tolerances : +6% -15%
- Insulation class : B

### Special features

- Easy to handle and install
- Low voltage operation
- Both vertical and horizontal installation is possible
- Rotor made of 99.9 % EC grade Copper

## MATERIAL SPECIFICATIONS

### PUMP

Components	Materials
DOL	Cast Iron FG 200
Volute Casing	Cast Iron FG 200
Impeller	LTB-2 / Cast iron
Pump Shaft	SS 420
Sleeve	SS 410
Locking Strip	SS 304
Guide Bushes	LTB4
Delivery Flange	Cast iron FG 200
Strainer	SS 202

### MOTOR

Components	Materials
Body	SS 304
Housings	Cast Iron FG 200
Rotor shaft	SS 420 (Hardened)
Thrust bearing	Carbon + SS 410
Bearing bush	LTB4
Seal	Nitrile Rubber

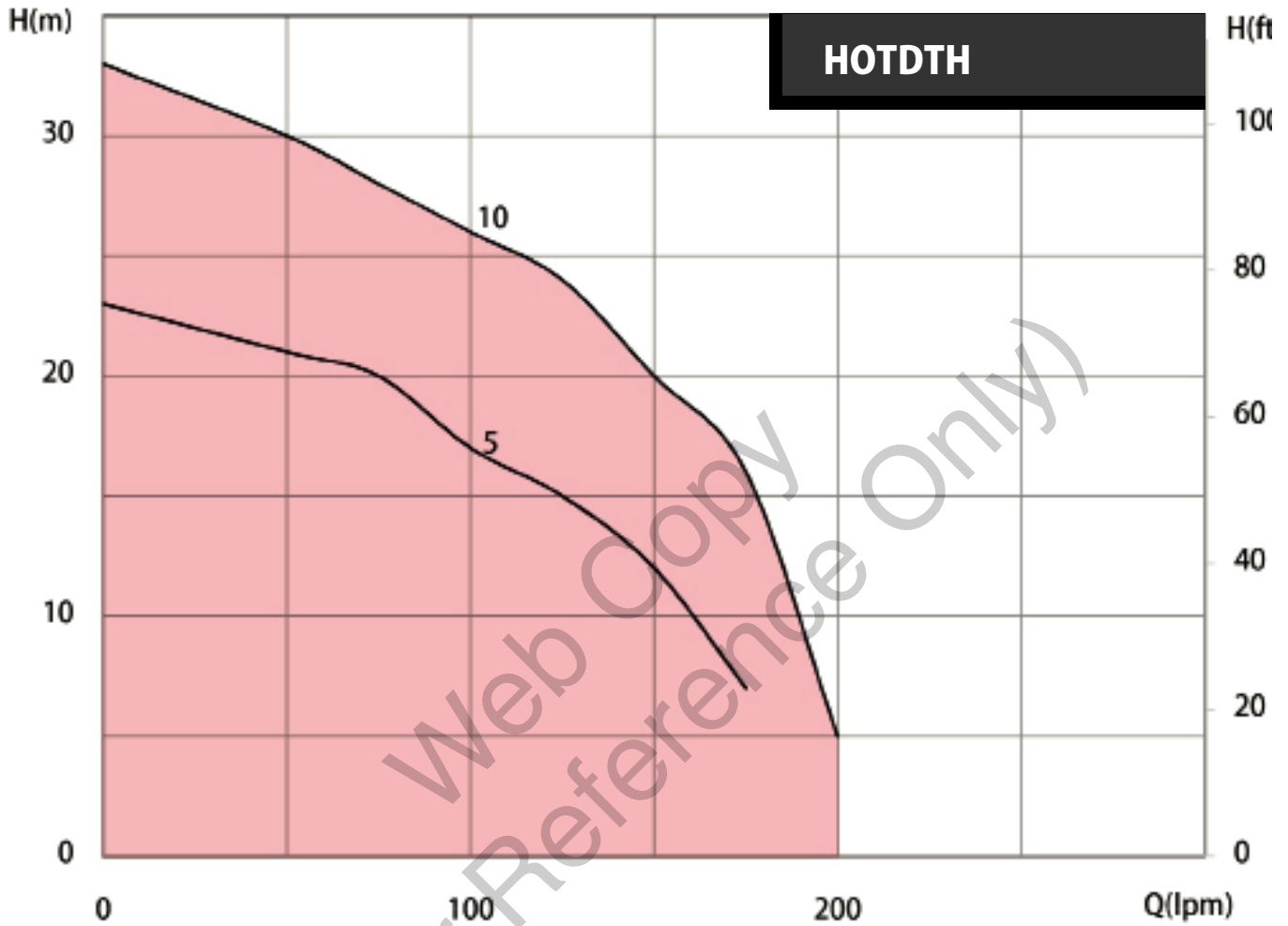


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### Characteristic Curves



### Hydraulic Performance & Dimensions

Product Code	HP	kW	Phase	Q - m <sup>3</sup> /hr	0	3.0	4.5	6.0	7.5	9.0	10.5	12.0	DNM
				Q - l/min	0	50	75	100	125	150	175	200	
HOTDTH5/1	0.5	0.37	M	Total Head in meters	23	21	20	17	15	12	7	-	25
HOTDTH10/1	1.0	0.75	M		33	30	28	26	24	20	16	5	25

\* M - Single Phase, T - Three Phase, Q - Discharge, DNM - Nominal Diameter