

HYLIC HTP Model

Series Diesel Engine Dry-Priming Pumps

The HYLIC HTP model, manufactured by an ISO 9001-certified facility, features a fully optimized design covering hydraulic performance, mechanical structure, sealing, cooling, protection, and control. It offers excellent capability, prevents fiber wrapping, and ensures high efficiency with energy savings.

With its dedicated diesel engine, the HTP model operation and enhances safety and reliability. and reduce overall investment. HYLIC pumps are a trusted solution for delivering long-term performance and operational value.



HTP

Structure characteristic

1.High self - priming pressure

Synchronous self priming, according to the local atmospheric pressure difference the highest suction head can be 9.5 m. far higher than the traditional self suction pump.

2.Quick start and restart

Using a unique dry running structure, the first time to start the pump is also no need to have a liquid, can be directly started to work, reduce the field operation;

3.Ultra high efficiency

With excellent hydraulic model and unique design structure, the pump efficiency high up to 80%, compared with the normal self priming pump, the efficiency will be higher than 25%. Save the running costs;

4.The use of semi open impeller design

Pumping with various fibers and solid particles of media, the largest by 50 mm. solid particles flange according to the user's specific requirements, The wet parts can be used cast iron, cast steel and all kind of stainless steel or Duplex SS material to transfer the corrosive type liquid. The seal can be choose the M/S or gland packing.

Multi - purpose solution

- Standard sump pumping
- Slurry & semi solid material
- Well pointing - high vacuum pump capacity
- Dry running applications
- 24 hour reliability
- Designed for high ambient environments

PUMP Options

- Stainless steel impeller and wear plates (standard)
- Bronze impeller and wear plates.
- Mechanical seal (gland packing seal on optional)
- Electric start engines (standard)
- Hand start engines
- Engine hour meter
- Engine protection system
- Alternative engine options
- Electric motor option
- Skid mounted chassis
- Wide range of recommended accessories

Use parameters

- Diameter : DN 50 ~ 400 mm. (Options)
- Capacity Flow : Q 50 ~ 2,500 m³/h
- Head : H up to 180 m.
- MPa Temperature T : ~ 70 °C

Market Sectors

- Building & Construction - well pointing and sump pumping
- Water & Waste - over pumping and systems bypass
- Quarries & Mines - sump pumping
- Emergency Water Control - sump pumping
- Docks, Ports & Harbors - sump pumping and stabilization of loads

Application domain

- In the municipal building, port;
- In the chemical industry, pulp and paper, pulp and paper industry;
- In mining, metallurgy;
- fire, environmental protection;



The Advantage of HTP

- Vacuum priming in excess of 9 m. - Vertical suction lift in under one minute even on 'snore'.
- Fast automatic priming and re - priming (can run dry and then re - prime).
- Heavy duty internal pump bearings - exceptional long life.
- Internals supplied in high grade bronze (as standard) or with stainless steel option.
- Efficient open impeller design - large solids and abrasive materials handled while maintaining high flow rates.
- High capacity air handling enables more "well points" to be operated.
- Easy on - site handling with solid rubber wheeled chassis and single lifting point.
- By controlled floating gas water separation system to ensure that the suction - extended priming efficiency - rapid no - site change in minutes (mechanical seal option).
- Built - in fuel tank for longer running (optional additional fuel tank available).
- Automatic startup control panel.
- Super size inspection hole cover to facilitate clean.
- Dry running ability.
- Air separator tank easy service, stainless steel material is optional.
- Long running times with minimal service intervention.

Subject to geology, fluid density, losses



Specification / Performance data

Type	HTP - 80	HTP - 100	HTP - 150
ENGINE BRAND	CUMMINS **Options**	CUMMINS **Options**	CUMMINS **Options**
Engine Power / Speed - kW / rpm	11 / 2900	24 / 1800 (1500)	36 / 1800 (1500)
Dimensions L x W x H (cm.)	170 x 119 x 110	194 x 145 x 15	220 x 150 x 164
Solids Handling - mm.	40	44	48
Max Head / Max Flow - m / m ³ /h	40 / 130	45 / 180	44 / 440

Type	HTP - 200	HTP - 250	HTP - 300
ENGINE BRAND	CUMMINS **Options**	CUMMINS **Options**	CUMMINS **Options**
Engine Power / Speed - kW / rpm	60 / 1800 (1500)	110 / 1800 (1500)	163 / 1800 (1500)
Dimensions L x W x H (cm.)	243 x 157 x 18	263 x 160 x 170	310 x 175 x 180
Solids Handling - mm.	52	58	65
Max Head / Max Flow - m / m ³ /h	65 / 600	56 / 900	54 / 1200

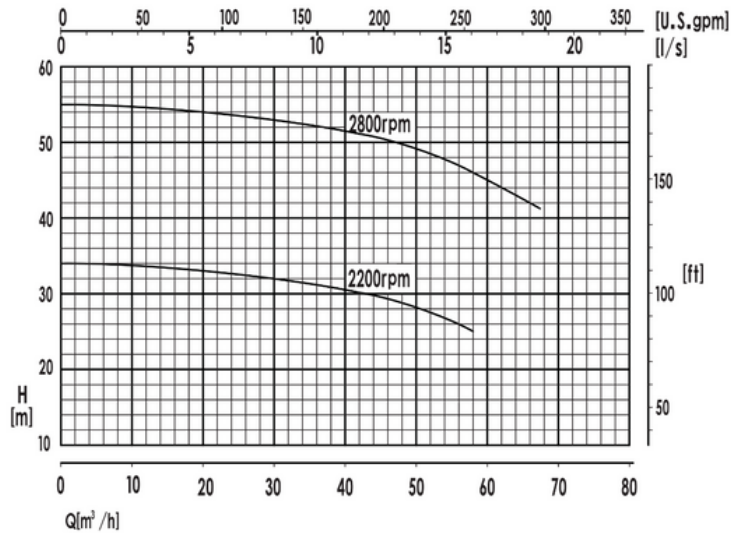
Type	HTP - 320	HTP - 400	HTP(X) - 200
ENGINE BRAND	CUMMINS **Options**	CUMMINS **Options**	CUMMINS **Options**
Engine Power / Speed - kW / rpm	86 / 1500	330 / 1800 (1500)	24 / 1800 (1500)
Dimensions L x W x H (cm.)	305 x 140 x 188	355 x 180 x 190	140 x 119 x 110
Solids Handling - mm.	76	75	30
Max Head / Max Flow - m / m ³ /h	25 / 1500	76 / 2500	15 / 400

Type	HTP(X) - 250	HTP(X) - 300	HTP(X) - 350
ENGINE BRAND	CUMMINS **Options**	CUMMINS **Options**	CUMMINS **Options**
Engine Power / Speed - kW / rpm	36 / 1800 (1500)	60 / 1800 (1500)	96 / 1800 (1500)
Dimensions L x W x H (cm.)	150 x 119 x 110	160 x 119 x 110	180 x 130 x 130
Solids Handling - mm.	40	45	60
Max Head / Max Flow - m / m ³ /h	18 / 600	18 / 1000	18 / 1500

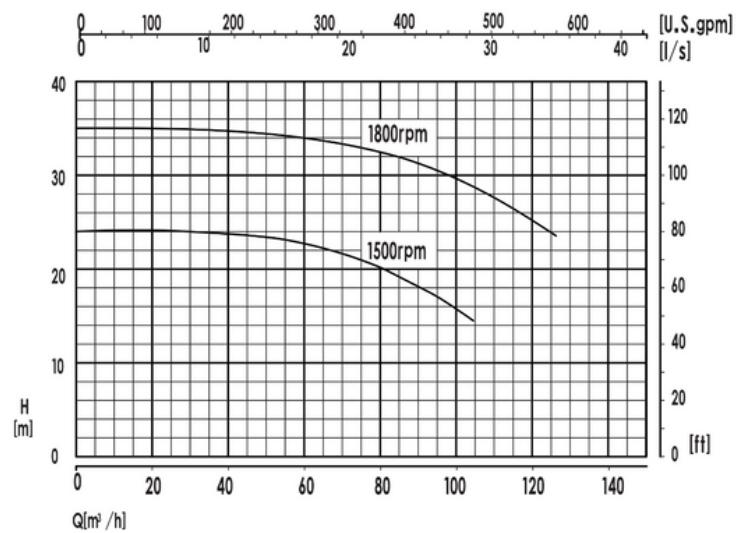
Type	HTP(X) - 400	HTP(X) - 500	HTP(X) - 600
ENGINE BRAND	CUMMINS **Options**	CUMMINS **Options**	CUMMINS **Options**
Engine Power / Speed - kW / rpm	120 / 1800 (1500)	163 / 1800 (1500)	230 / 1800 (1500)
Dimensions L x W x H (cm.)	223 x 150 x 130	240 x 150 x 150	300 x 180 x 180
Solids Handling - mm.	75	80	100
Max Head / Max Flow - m / m ³ /h	20 / 2000	15 / 2800	16 / 4000

Performance Curve

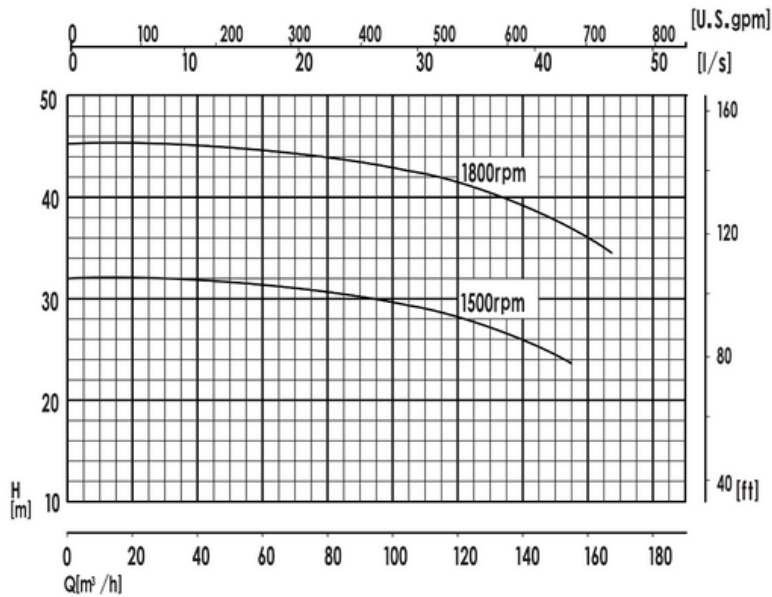
HTP - 50



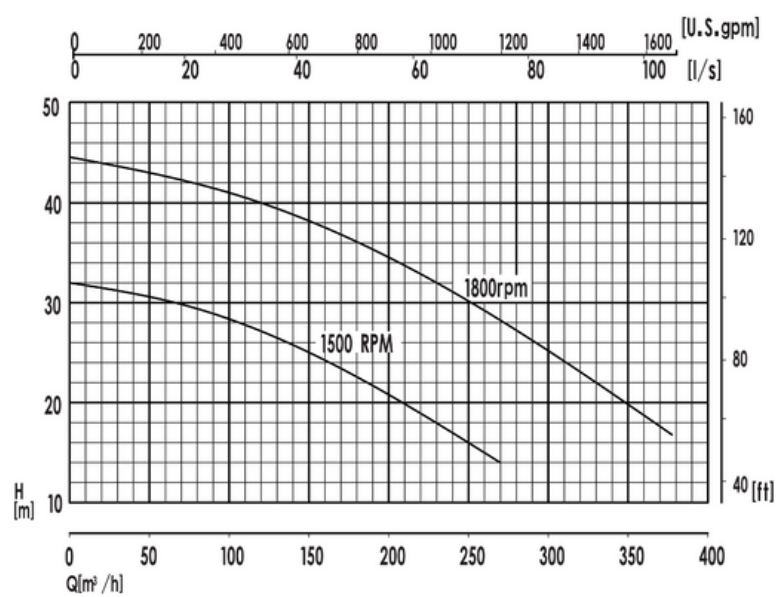
HTP - 80



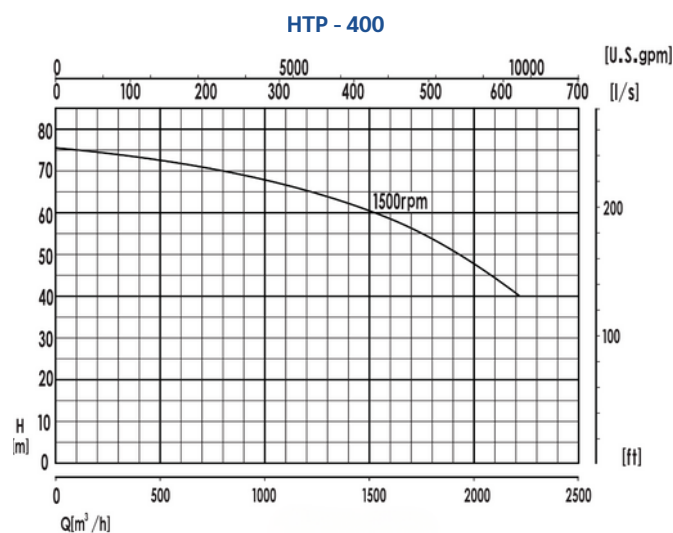
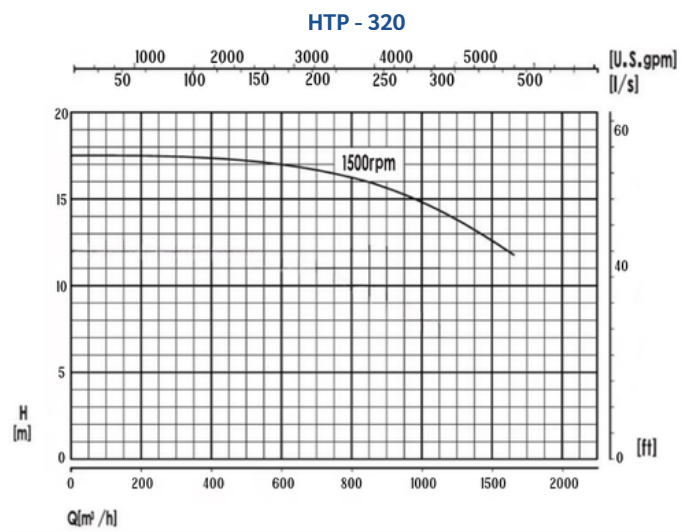
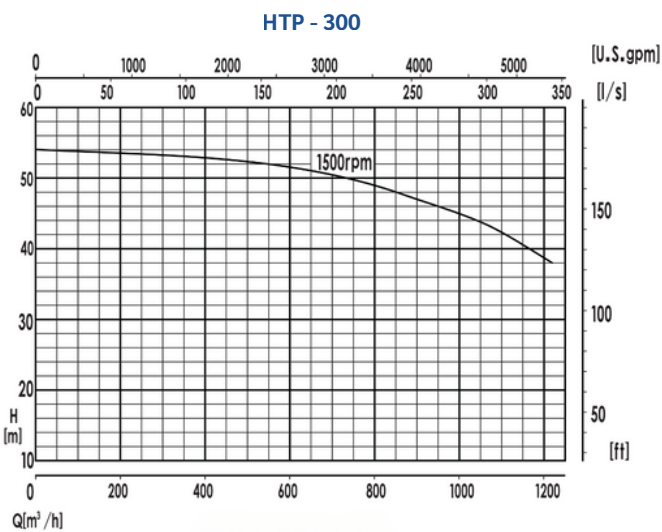
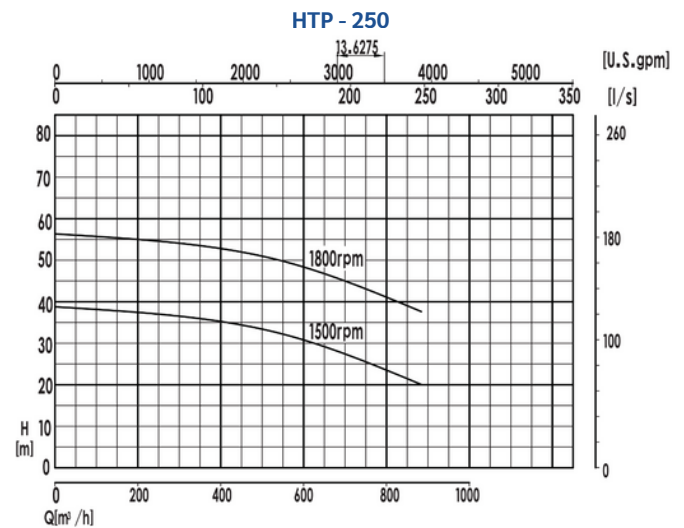
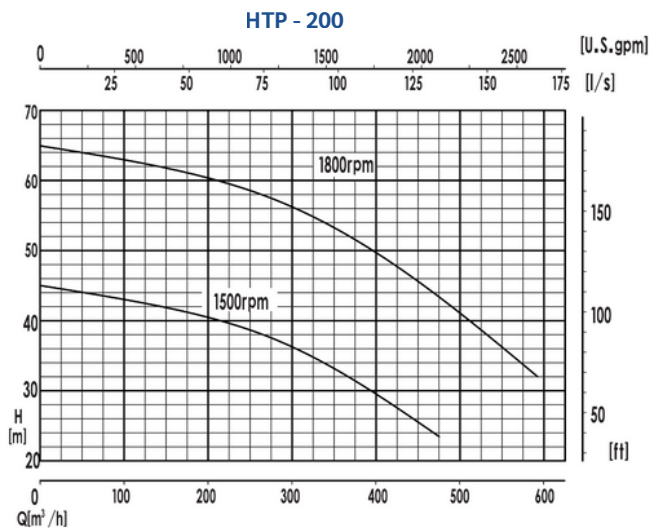
HTP - 100



HTP - 150



Performance Curve



Reference

