



HYDRAULIC PUMP HY 50



DESCRIPTION:



Submersible pump with agitator for charged and abrasive mixtures

Pumps are CE certified.
UL/CSA certification available

MAIN FEATURES:



- Pump provided of agitator to stir things up
- High abrasion resistance
- Low rotation speed
- Able to handle up to 70% per weight material density
- Possibility of installation on mechanical arm
- Side excavators, dredging head and jet ring system can be mounted for increased efficiency

TECHNICAL AND OPERATING DATA:



TECHNICAL SPECIFICATIONS

Model	HY50
Max. Capacity (m3/h)	225
Max. Head (m)	52
Impeller diameter (mm)	490
Discharge (mm/in)	100-3.9
Solid Handling (mm/in)	35-1.4
Weight (kg)	600
Motor displacement (cc)	75
Max. oil flow rate (l/min)	90
Max. pressure (bar)	300
Power (kW-HP)	45-61.2
Speed (RPM)	1180

Materials:

PART	STANDARD
Casing	Cast Iron EN-GJS500
Body	Cast Iron EN-GJL250
Wear Parts	High chrome EN-GJN-HV600 (CH6)
Minimum Hardness (HB)	550
Main shaft	High Tensile 39NiCrMo3
PH Range	5-10

Seals and Lubricants:

VERSION	HY50	MG	MS
Motor Side	LIPS	Mechanical	Mechanical
Impeller Side	LIPS	LIPS	Mechanical
Oil Type	EP320	ISO32	ISO32



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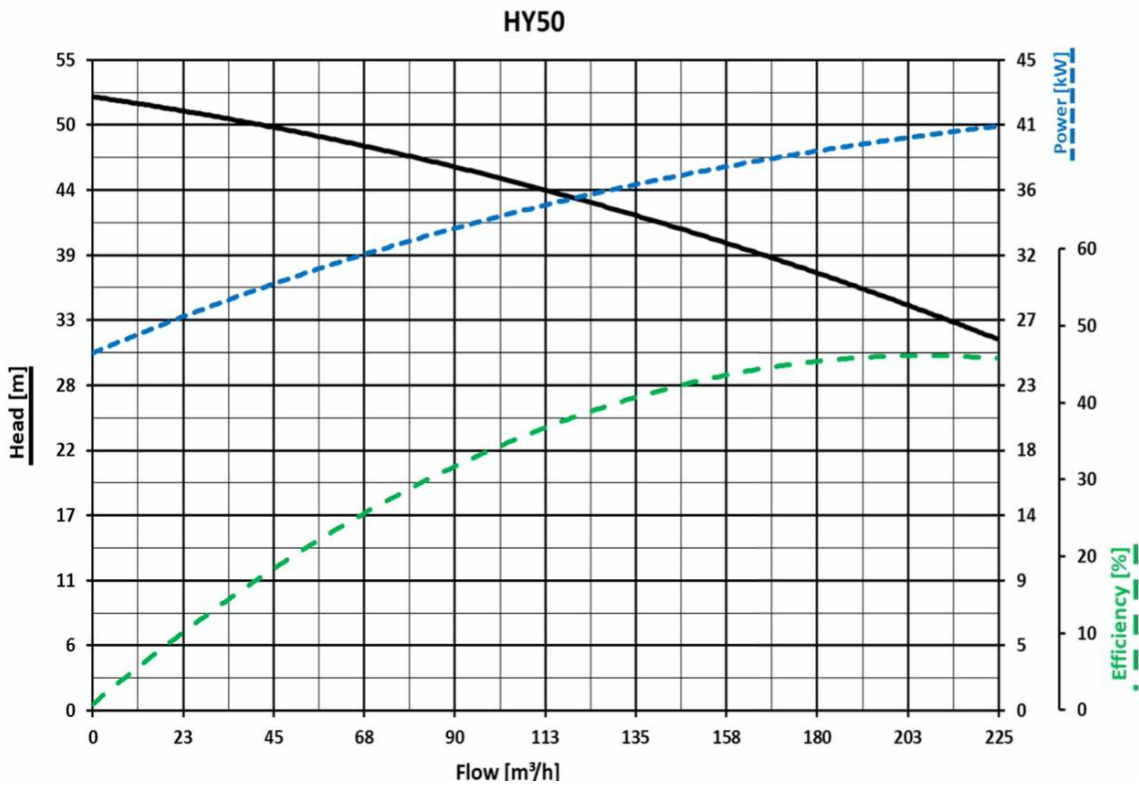
Operating Conditions:

Max liquid temperature 40°C

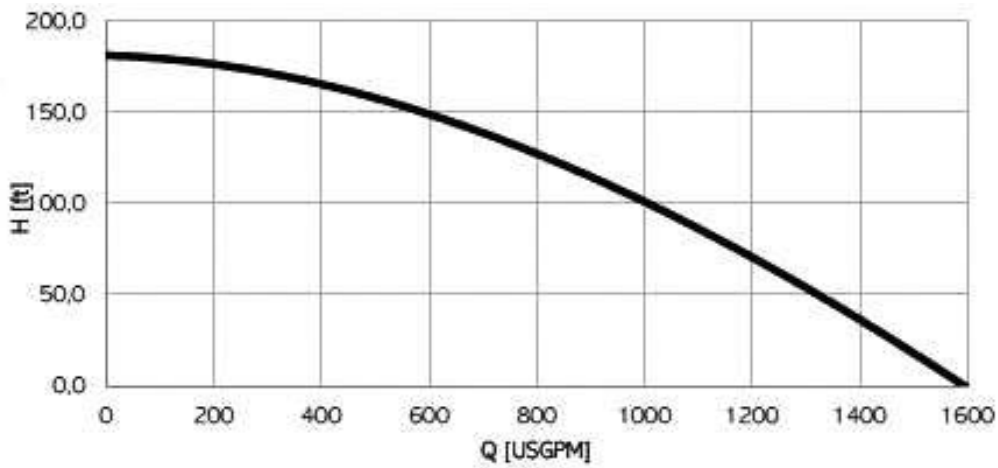
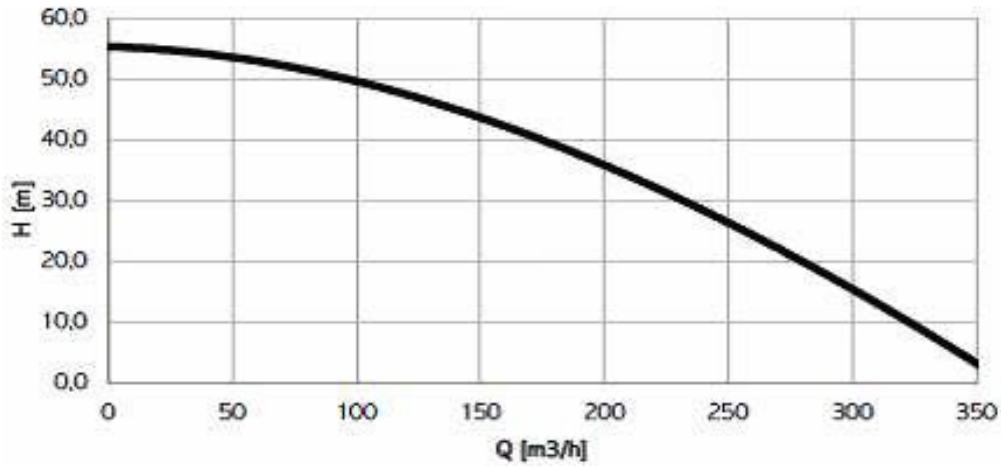
Max. Submersion depth 440 mm



PUMP PERFORMANCE CURVES:



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PUMP DIMENSIONS:

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Height 1350 mm (53 in),

Max Diameter 910 (mm) 35.8 (in)

Weight 610 kg (1340 lb)

