



HYDRAULIC PUMP HY 85



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	HY85
Max. Capacity (m3/h)	300
Max. Head (m)	44
Impeller diameter (mm)	440
Discharge (mm/in)	150-5.9
Solid Handling (mm/in)	60-2.4
Weight (kg)	700
Motor displacement (cc)	108
Max. oil flow rate (l/min)	130
Max. pressure (bar)	300
Power (kW-HP)	65-88.3
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	HY85	MG	MS
Motor Side	LIPS	Mechanical	Mechanical
Impeller Side	LIPS	LIPS	Mechanical
Oil Type	EP320	ISO32	ISO32



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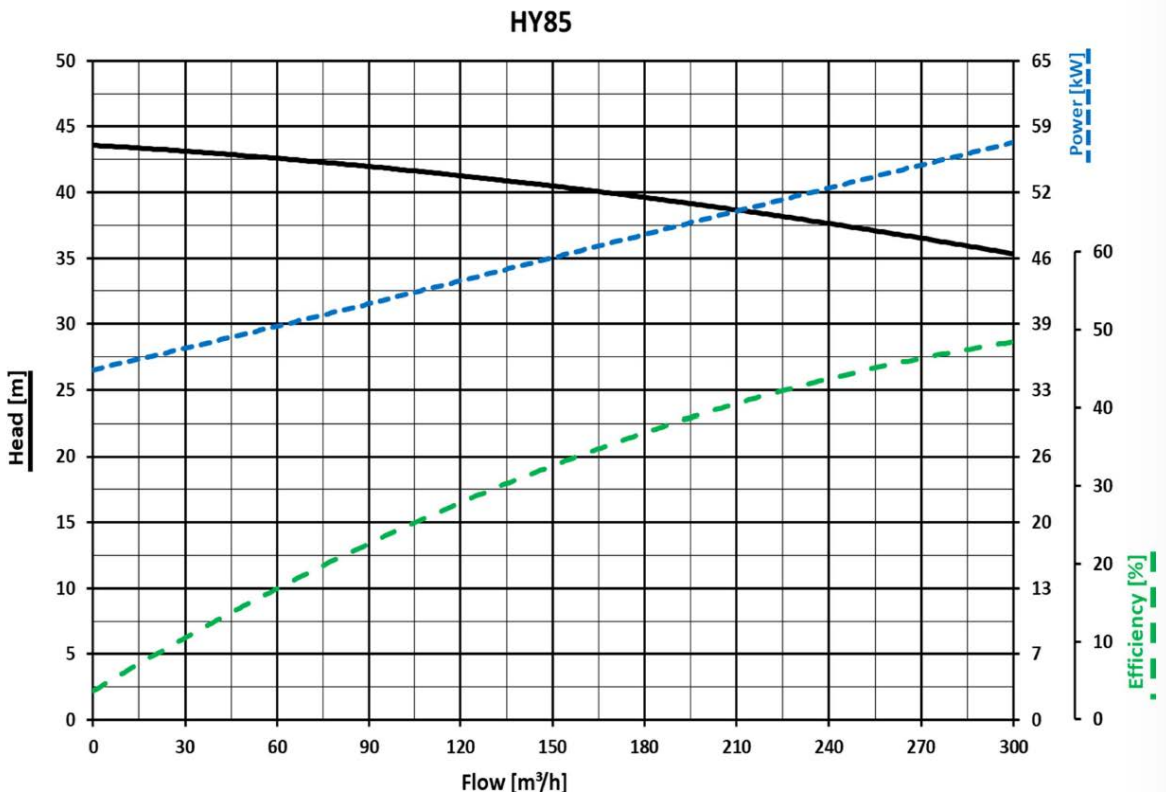
Operating Conditions:

Max liquid temperature 40°C

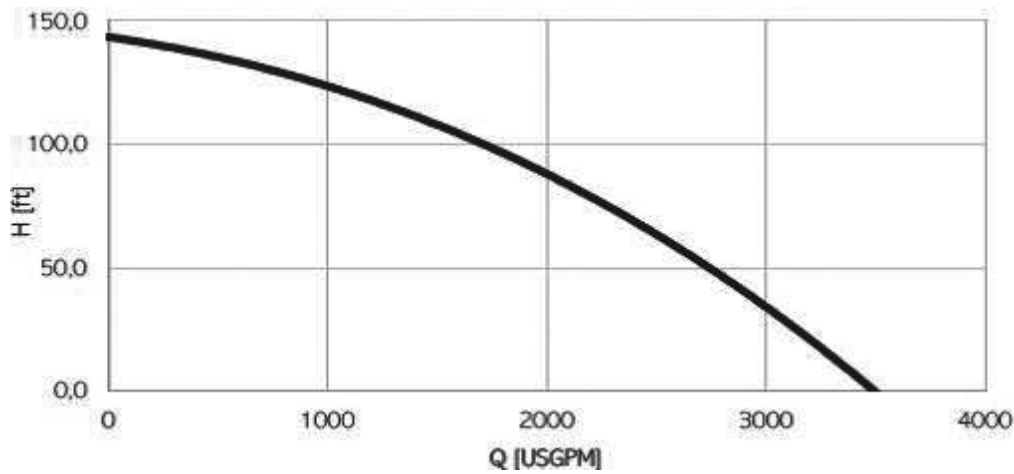
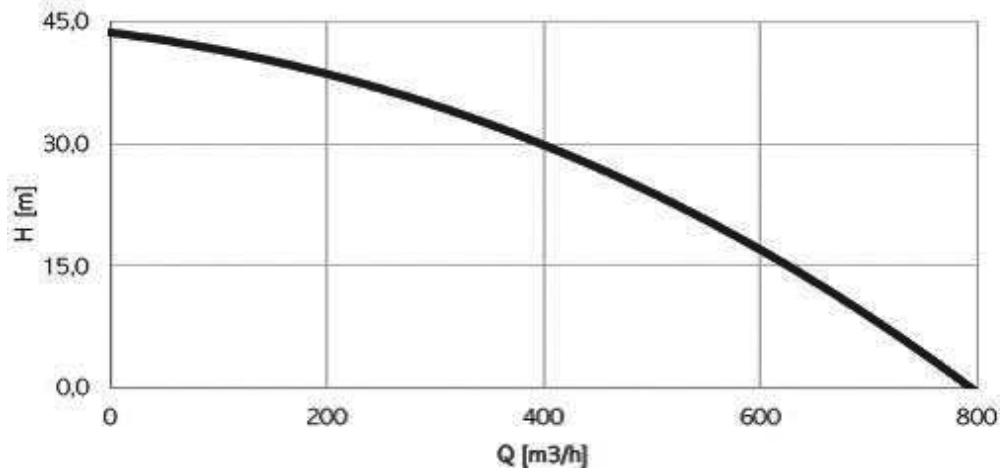
Max. Submersion depth 440 mm



PUMP PERFORMANCE CURVES:



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PUMP DIMENSIONS:

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Height 1405 mm (55 in)

Max Diameter 945 (mm) 37.2 (in)

Weight 750 kg (1650 lb)

