

# Diablo HP35

Electric submersible drainage pumps

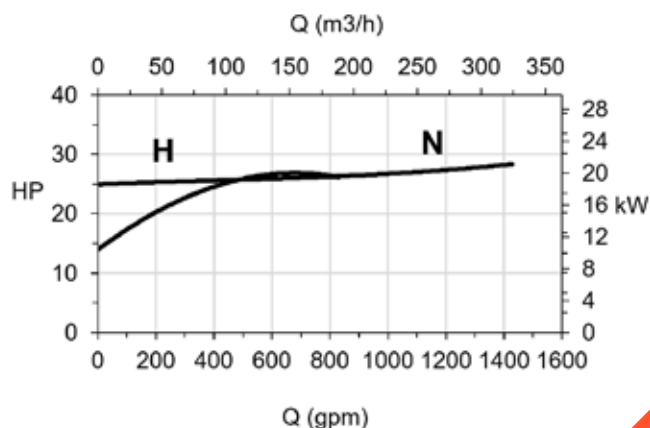
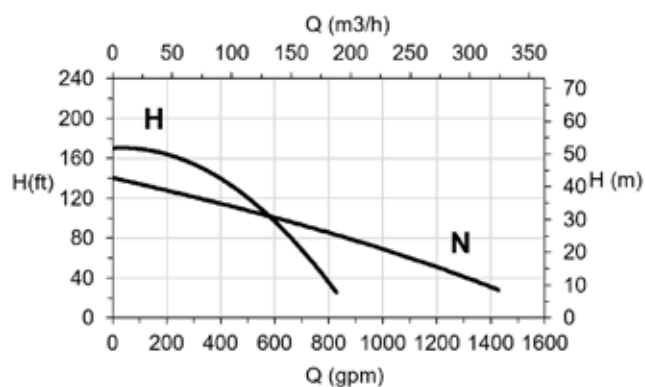
50 Hz

referential image



Electric submersible drainage pump, available in various aluminum and stainless-steel alloys. Designed for use in mining, power plants and other industries that handle abrasive solids and water.

50 Hz	N	H
Power, HP (kW)	30(22)	30(22)
Voltage	380-500	380-500
Nominal Current, A	47-36	47-36
Weight, lb (kg)	397(180)	397(180)
Max. height, inch (mm)	40.3(1024)	40.3(1024)
Max. diameter, inch (mm)	16.7(425)	16.7(425)
Discharge, inch (mm)	6(150)	4(100)
Strainer opening Ø, inch (mm)	0.5(12)	0.5(12)



## Models:

N: Normal pressure.  
H: High pressure.

## Classification

Submersible electric pump

## Electric motor

Three-phase squirrel cage motor  
Speed: 2950 RPM  
Insulation class: H  
Start: Direct

## Motor protection

Thermo-contacts in the winding  
Protection: IP 68

## Cable

4G10 + 2x1.5mm<sup>2</sup>, 20m (66 ft) (\*)  
This pump must be connected to an external control panel with adequate protection.

## Mechanical seals

Double mechanical seal in the oil and water chamber.  
Rotary seal material: silicon carbide.  
Stationary seal material: silicon carbide.  
Elastomers: Viton.

## Bearings

Lower: Angular contact bearing C3  
Upper: Deep groove ball bearing C3

## Discharge connection

4" H – 6" N. (\*)

## Limitations

Maximum submersion: 20 m (66 ft).  
Maximum liquid temperature: 40 °C (104°F).  
Liquid pH range: 5 – 8.

## Available materials

Cover: Aluminum.  
Cylinder: Carbon Steel.  
Strainer: Carbon Steel.  
Impeller: High Chrome Steel.  
Diffusers: Aluminum+ Polyurethane.  
Shaft: Stainless Steel  
Screws/Nuts: Stainless Steel

\*Specifications may be modified without prior notice.