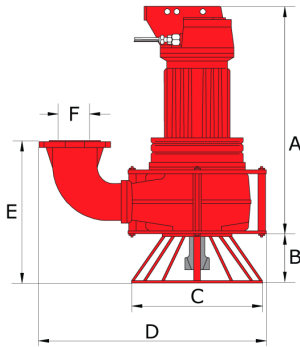




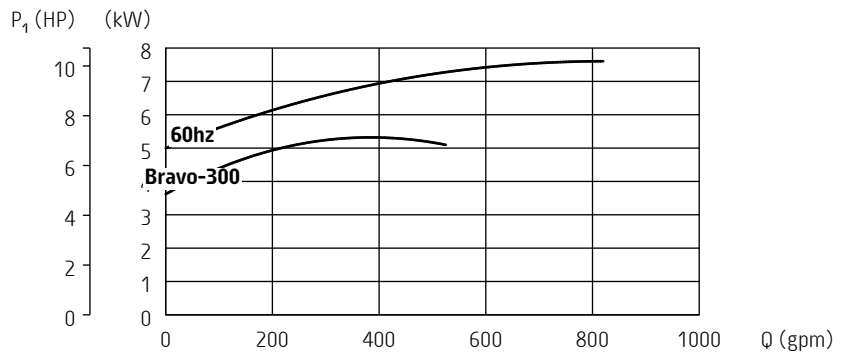
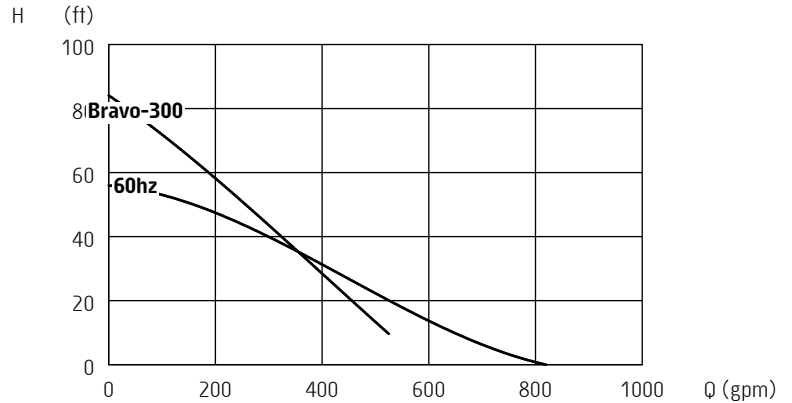
# Bravo 30

Electrical submersible slurry pump



60 Hz	Bravo 30
Discharge connection F	4"
Rated power $P_2$ [kW/HP]	8.6 / 11.5
Max. power consumption $P_1$ [kW]	10.6
Shaft speed [r.p.m.]	1750
Rated current at 230V	32.0 A
Rated current at 460V	15.3 A
Rated current at 575V	12.3 A
Solids passage with / without agitator	30 / 80 mm
Dimensions A / B / C / D / E	700 / 150 / 410 / 713 / 447 mm
Dimensions A / B / C / D / E	27½ / 6 / 16¼ / 28¼ / 18¼"
Weight [kg/lbs]	167 / 371

Other voltages on request



ISO 9906/A

## General description

Vortex impeller pump with agitator in wear resistant NiHard 4 for reliable transport of highly abrasive solids in high concentrations. For industry, mining, construction works, dredging and other demanding applications

## Classification

Electrical submersible slurry pump  
Protection class: IP 68

## Electrical motor

Squirrel cage induction motor  
Insulation class: H (IEC 85)

## Motor protection

Thermoswitches in motor windings

**This pump must be used with external motor protection in accordance with technical data**

## Cable - SubCab 20 m (66 ft)

50 Hz 230V: 1x4x4mm<sup>2</sup> + 1x4x2.5mm<sup>2</sup>  
50 Hz 380 - 500V : 1x7x2.5mm<sup>2</sup>  
60 Hz 230V: 1xAWG8/4 + 1xAWG14/4  
60 Hz 380 - 440V: 1xAWG12/4 + 1xAWG14/4  
60 Hz 460 - 575V: 1xAWG14/7

## Shaft seals

Double mechanical shaft seals running in an oil compartment  
Material lower seal: silicon carbide - silicon carbide  
Material upper seal: carbon - ceramic

## Materials

Motor housing: *Cast iron*  
Wear plate: *NiHard 4*  
Pump housing: *NiHard 4*  
Flange discharge connection: *NiHard 4*  
Hose or Iso-G BSP adapter: *Cast iron*  
Impeller: *NiHard 4*  
Agitator: *NiHard 4*  
Shaft: *Stainless steel*  
Bolts: *Stainless steel*  
Electrical cable: *Neoprene*  
Primer: *Alkyd primer*  
Top coating: *Two component high-build polyurethane coating*

## Limitations

Max. submersion depth: 20 m (66 ft)  
Max. liquid temperature: 40 °C (104 °F)  
Allowed pH range: 4 - 10