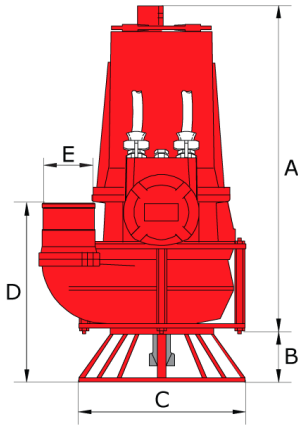




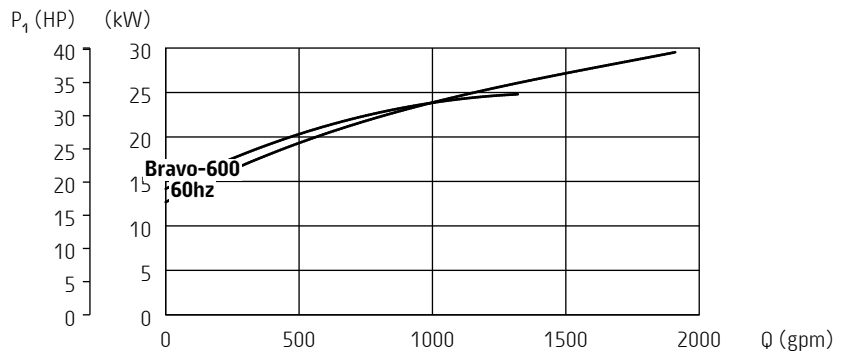
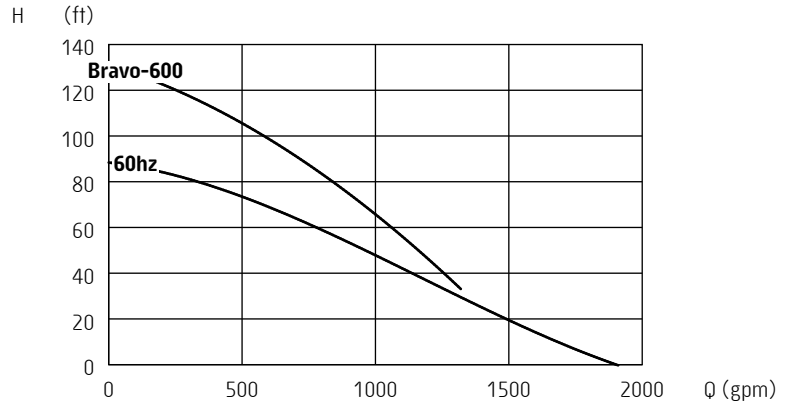
# Bravo 60

Electrical submersible slurry pump



60 Hz	Bravo 60
Discharge connection E	6"
Rated power P <sub>2</sub> [kW/HP]	39 / 52.3
Max. power consumption P <sub>1</sub> [kW]	45.4
Shaft speed [r.p.m.]	1750
Rated current at 230V	138.7 A
Rated current at 460V	66.2 A
Rated current at 575V	52.9 A
Solids passage with / without agitator	2" / 4"
Dimensions A / B / C / D	950 / 150 / 470 / 520 mm
Dimensions A / B / C / D	37½ / 6 / 18 ½ / 20½"
Weight [kg/lbs]	407 / 904

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 400V YD: 2x4x10mm<sup>2</sup> + 1x4x2.5mm<sup>2</sup>  
50 Hz 500V YD : 2x4x6mm<sup>2</sup> + 1x4x2.5mm<sup>2</sup>  
60 Hz 380 - 460V YD: 2xAWG6/4 + 1xAWG14/4  
60 Hz 575V YD: 2xAWG8/4 + 1xAWG14/4

## 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