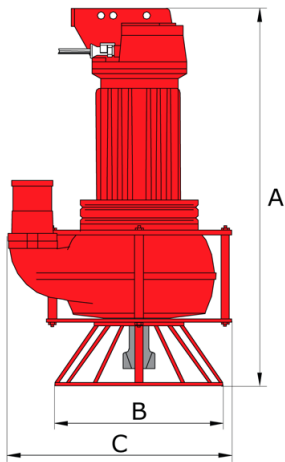




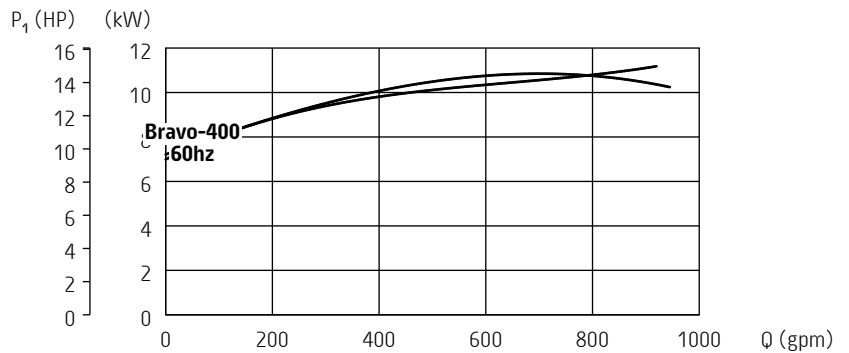
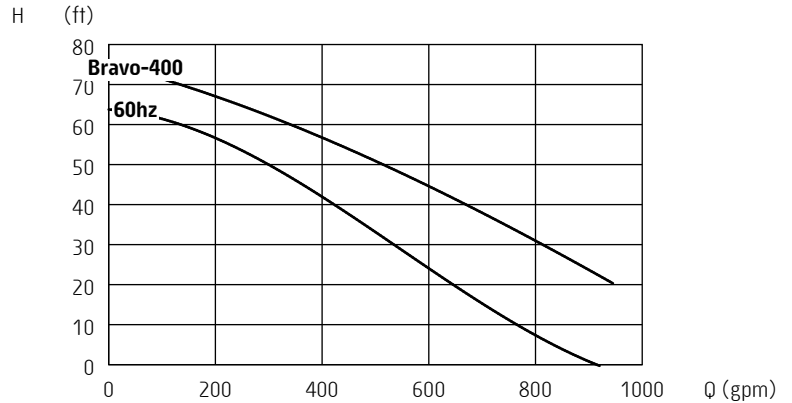
# Bravo 40

Electrical submersible slurry pump



60 Hz	Bravo 40
Discharge connection F	4"
Rated power P <sub>2</sub>	14.9 / 20.0
Max. power consumption P <sub>1</sub>	17.5
Shaft speed	1750
Rated current at 230V	55 A
Rated current at 460V	26 A
Rated current at 575V	21 A
Solids passage with / without agitator	35 / 100 mm
Dimensions A / B / C / D / E	810 / 150 / 410 / 580 / 520 mm
Dimensions A / B / C / D / E	32 / 6 / 16 1/4 / 23 / 20 3/4"
Weight	199 / 422

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: 1x4x10mm<sup>2</sup> + 1x4x2.5mm<sup>2</sup>  
 50 Hz 380 - 500V YD : 1x7x2.5mm<sup>2</sup> + 1x4x2.5mm<sup>2</sup>  
 60 Hz 230V: 2xAWG8/4 + 1xAWG14/4  
 60 Hz 380 - 460V YD: 1xAWG12/7 + 1xAWG14/4  
 60 Hz 575V YD: 1xAWG14/7 + 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