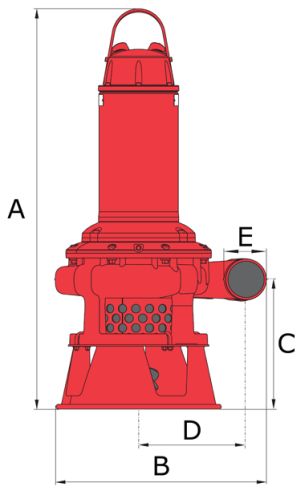


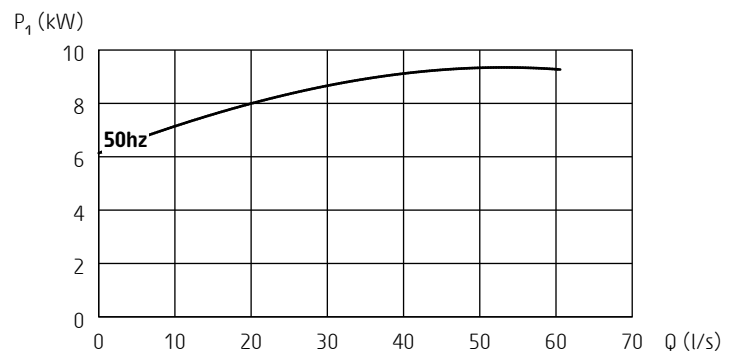
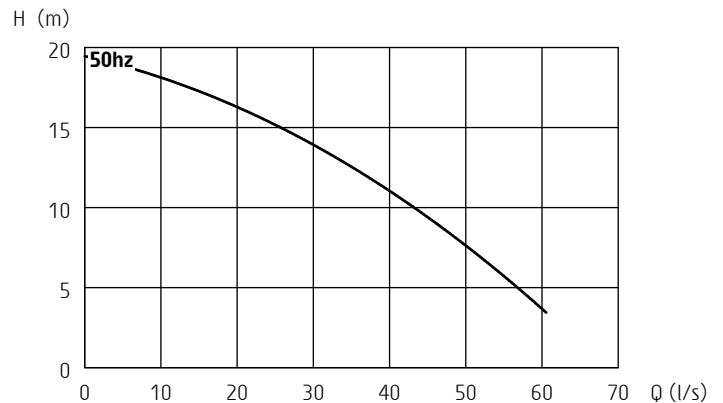


## Bravo 400

Electrical submersible slurry pump



50 Hz	Bravo 400
Discharge connection E	4"
Rated power $P_2$	13,5 kW
Max. power consumption $P_1$	16 kW
Shaft speed rpm	1455
Rated current at 230V	47 A
Rated current at 400V	28 A
Rated current at 500V	21 A
Solids passage with agitator	30 mm
Dimensions A / B / C / D	1148 / 595 / 337 / 265 mm
Weight	231 kg
Other voltages on request	



ISO 9906/A

### General description

Pump with closed impeller and agitator for reliable pumping of highly abrasive slurry in high concentrations

### Classification

Electrical submersible slurry pump  
Protection class: IP 68

### Electrical motor

Squirrel cage induction motor  
Insulation class: H (IEC 85), DOL or star/delta

### Motor protection

Thermo switches in motor windings

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

### Cable - SubCab 20 m (66 ft)

230V DOL: 4x10mm<sup>2</sup> + 2x1.5mm<sup>2</sup>  
230V Y/D: 7x6mm<sup>2</sup> + 2x1.5mm<sup>2</sup>  
400-500V DOL: 4x6mm<sup>2</sup> + 2x1.5mm<sup>2</sup>  
400-500V Y/D: 7x4mm<sup>2</sup> + 2x1.5mm<sup>2</sup>

### Shaft seals

Cartridge seal: pre-assembled double mechanical seal running in an oil compartment

Material lower seal: tungsten carbide - tungsten carbide

Material upper seal: tungsten carbide - tungsten carbide

### Materials

Drive unit: *Cast iron*

Pump housing: *Hard-Iron™*

Impeller: *Hard-Iron™*

Lifting handle: *Stainless steel*

Shaft: *Stainless steel*

Agitator: *Hard-Iron™*

Studs, screws and nuts: *Stainless steel*

O-rings: *Nitrile rubber*

### Limitations

Max. submersion depth: 20 m (66 ft)

Max. liquid temperature: 40 °C (104 °F)

Allowed pH range: 5.5 - 14