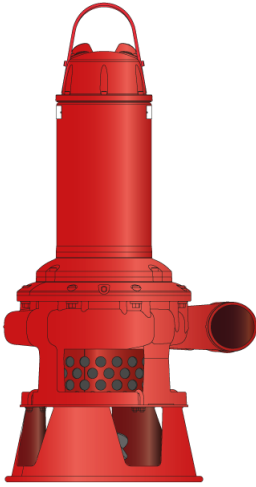




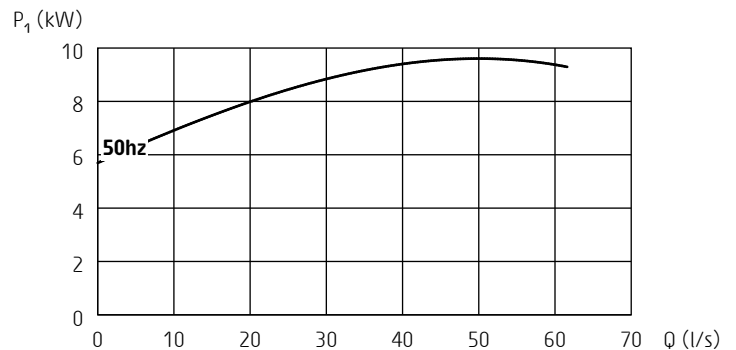
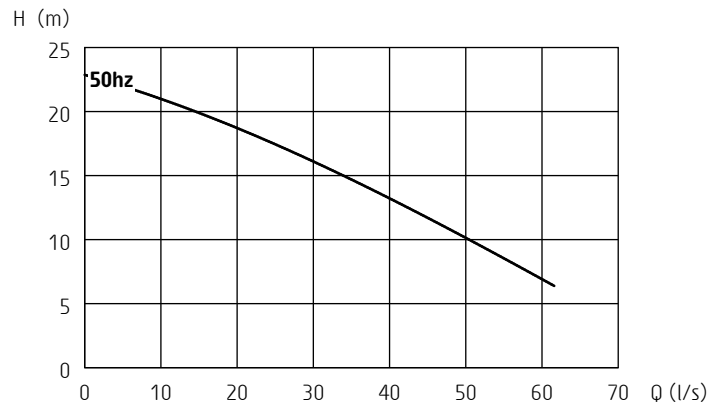
## Bravo 400

Electrical submersible slurry pump



50 Hz	Bravo 400
Discharge connection	4"
Rated power $P_2$ [kW]	13,5
Max. power consumption $P_1$ [kW]	16
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 [mm]	30
Height [mm]	1148
Diameter [mm]	595
Weight [kg]	231

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

\* Bravo 400/9: 6-pole motor

Specifications can be changed without notice