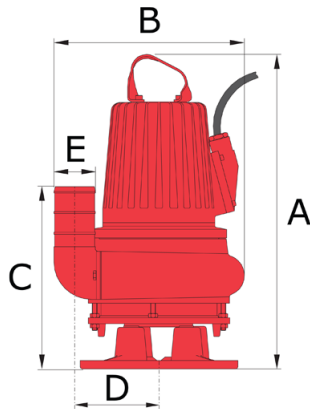




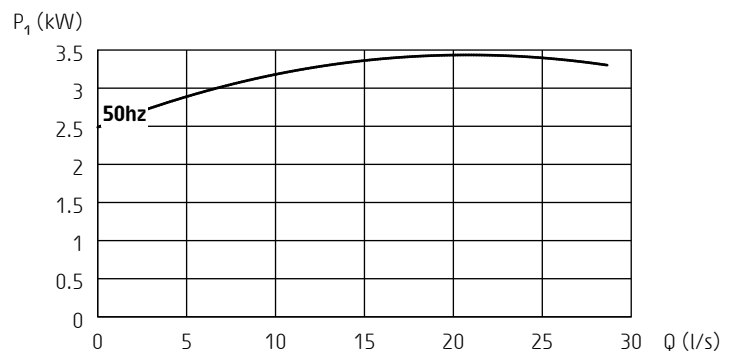
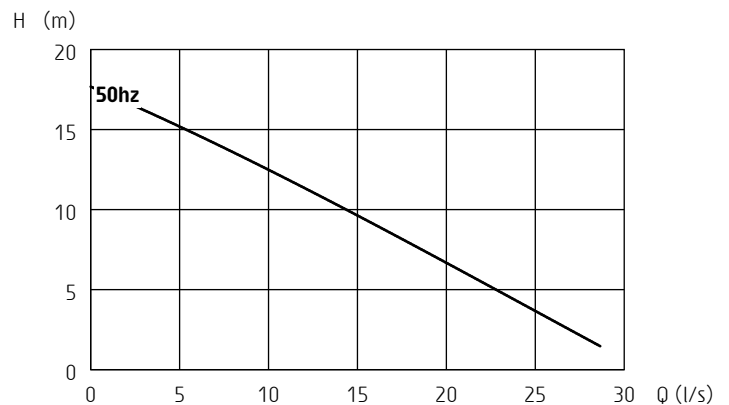
Bravo 200 Ex

Explosion proof electrical submersible slurry pump



50 Hz	Bravo 200
Discharge connection E	4"
Rated power P_2 [kW]	4,7
Max. power consumption P_1 [kW]	5,7
Shaft speed [rpm]	1445
Rated current at 230V	17 A
Rated current at 400V	9.6 A
Rated current at 500V	7.7 A
Solids passage [mm]	50
Height [mm]	760
Diameter [mm]	460
Weight [kg]	157

Other voltages on request



ISO 9906/A

Ex approvals

European Norm (EN)

ATEX directive

EN 60079-0:2012/A11:2013, EN 60079-1:2007,

EN 13463-1:2009, EN 13463-5:2011

⊕ II ZG c Ex d IIB T4 Gb

⊕ I M2 c Ex d I Mb

FM (FM Approvals)

Explosion proof for use in Class I, Div 1, Group C and D

Dust ignition proof for use in Class II, Div 1, Group E, F and G

Suitable for use in Class III, Div 1, Hazardous Locations

General description

Submersible pump for pumping water containing abrasive particles, ground water, slurries

Electrical motor

Squirrel cage induction motor

Insulation class: H (IEC 85), DOL or star/delta

Protection class: IP 68

Motor protection

Thermal contacts, leakage sensor

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

Cable - SubCab 20 m (66 ft)

DOL: 4x2.5mm² + 2x1.5mm²

Y/D: 7x2.5mm² + 2x1.5mm²

Shaft seals

Double mechanical seal running in an oil compartment

Material lower seal: tungsten carbide - tungsten carbide

Material upper seal: tungsten carbide - aluminium oxide

Materials

Drive unit: *Cast iron*

Pump housing: *Cast iron*

Impeller: *Hard-Iron™*

Discharge connection: *Cast iron*

Wear plate: *Nitrile rubber*

Lifting handle: *Galvanized steel*

Shaft: *Stainless steel*

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

Specifications can be changed without notice