GRINDEX
BRAVO SERIE

slurry pumps

Drainage pump Submersible pump

Description

Pumping slurry is one of the most demanding applications for any pump. Parts wear quickly and maintenance and repair costs are high. In many cases, frequent pump failures lead to costly downtime.

The new Grindex slurry pump series offers an effective solution for pumping slurry: robust pumps that reduce operating and maintenance costs and offer excellent value for money.

With years of experience, Grindex has developed the Bravo slurry pump line that can handle heavy, abrasive liquids. The Bravo pumps are used for pumping coal and ore slurries, dredging, bentonite, and cleaning settling basins, among other things.

Applications

- pumping various types of wash/cooling water in heavy industry (mining, dredging, smelting, etc.)
- cleaning settling basins
- dredging
- pumping coal and ore slurries
- pumping grit in sewage treatment plants
- pumping bentonite
- can be used in various drainage applications

Specifications

- suitable for contaminated liquids, slurry
- double mechanical seal in oil bath
- capacity: up to 470 m^3/h
- delivery head: up to 45 mwk
- liquid temperature: max. 40 °C
- free passage of solid particles from 30 to 50 mm.
- discharge connection 4” and 6”
- insulation class: H
- protection class: IP68
- 20 meter cable
- motor power 4,7 to 70 kW
- voltage: 3-phase 400V 50 Hz
- other voltages and frequencies on request
- cooling jacket (optional)

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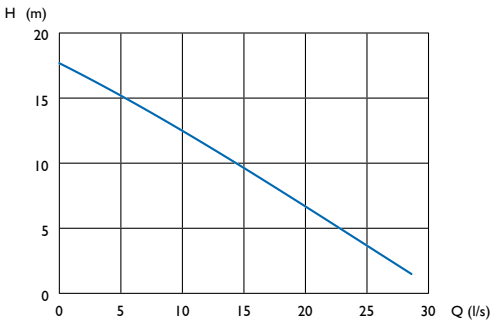
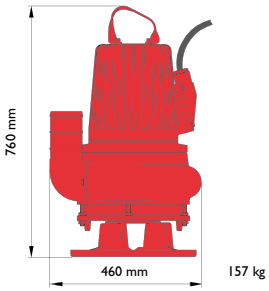
Materials

drive unit:	cast iron
suction cover (Bravo 200-300):	NBR
pump housing (Bravo 200-300):	cast iron
pump housing (Bravo 400-900):	Hard-iron™
hose connection (Bravo 200-300):	cast iron
impeller:	Hard-Iron™
handle (Bravo 200-300):	galvanized steel
handle (Bravo 400-900):	stainless steel
shaft:	stainless steel
agitator head (Bravo 400-900):	Hard-Iron™
bolts, screws and nuts:	stainless steel
O-rings:	NBR

Bravo 200

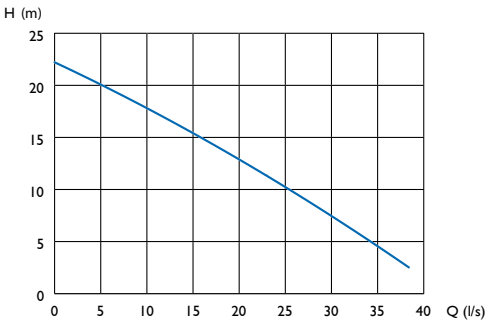
Technical data	
Discharge connection	4"
Nominal output	4,7 kW
Max. power consumption	5,7 kW
Rotational speed	1455 t.p.m.
I nominal at 400V	9,6 A
I nominal at 500V	7,7 A
Free passage	50 mm

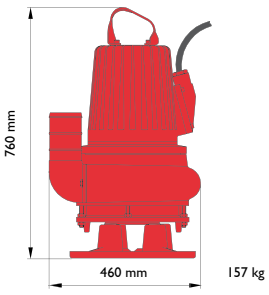




Bravo 500

Technical data	
Discharge connection	4"
Nominal output	5,9 kW
Max. power consumption	7,1 kW
Rotational speed	1450 t.p.m.
I nominal at 400V	12 A
I nominal at 500V	9,5 A
Free passage	50 mm





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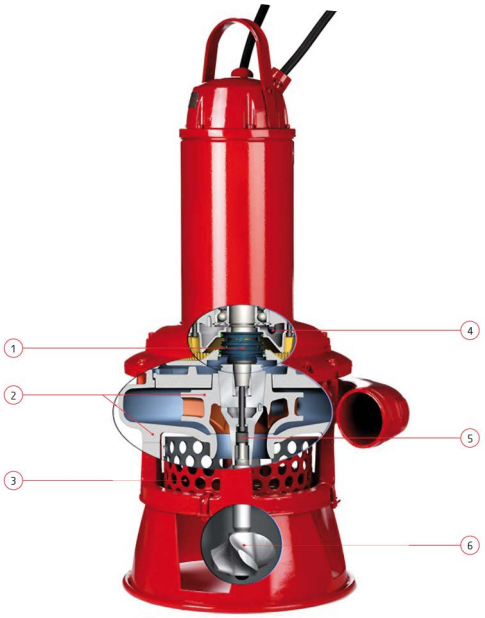
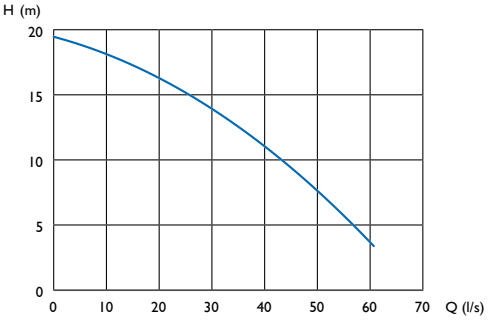


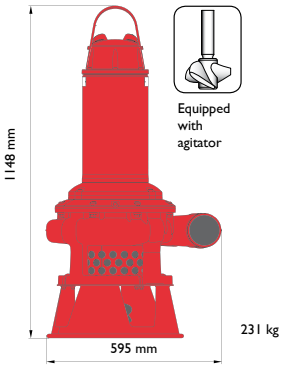
Bravo 400 - Bravo 900

1. Cartridge seal
   Pre-assembled, quicker and easier to install
2. Impeller and pump housing made from Hard-iron™
   Provides high wear resistance
3. Large passage
   Can handle solids of various sizes
4. Leakage sensor
   For early detection of any leaks
5. Single adjustment screw
   Easy to adjust the impeller for optimum performance
6. Agitator for coarser slurries
   lifts and pumps sand, sludge and solids in suspension

Bravo 400

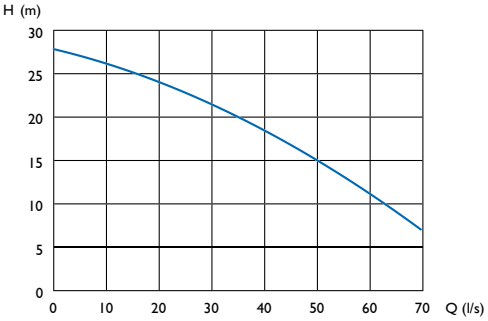
Technical data	
Discharge connection	4"
Nominal output	13,5 kW
Max. power consumption	16 kW
Rotational speed	1455 t.p.m.
I nominal at 400V	28 A
I nominal at 500V	21 A
Free passage	30 mm

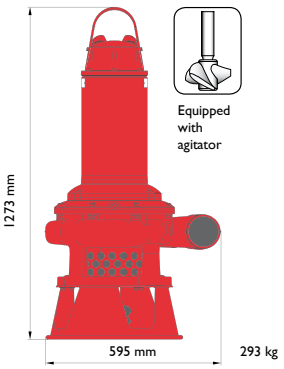




Bravo 500

Technical data	
Discharge connection	4"
Nominal output	18,5 kW
Max. power consumption	21 kW
Rotational speed	1460 t.p.m.
I nominal at 400V	36 A
I nominal at 500V	29 A
Free passage	40 mm





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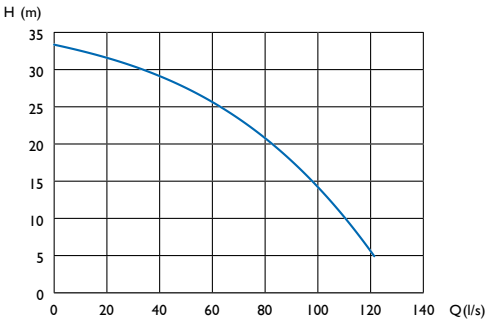
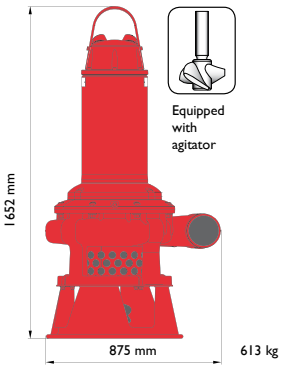
Bravo 700

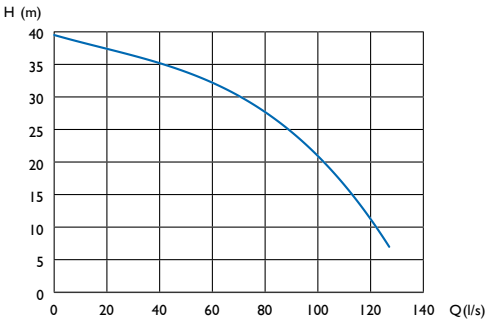
Technical data	
Discharge connection	6"
Nominal output	37 kW
Max. power consumption	40 kW
Rotational speed	1475 t.p.m.
I nominal at 400V	66 A
I nominal at 500V	54 A
Free passage	36 mm

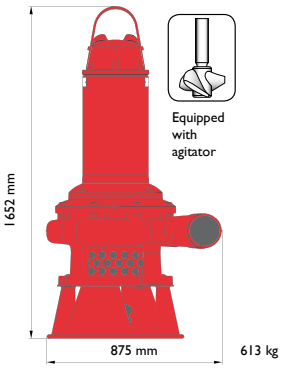




Bravo 800

Technical data	
Discharge connection	6"
Nominal output	45 kW
Max. power consumption	47 kW
Rotational speed	1475 t.p.m.
I nominal at 400V	82 A
I nominal at 500V	63 A
Free passage	36 mm





Bravo 900

Technical data	
Discharge connection	6"
Nominal output	70 kW
Max. power consumption	75 kW
Rotational speed	1475 t.p.m.
I nominal at 400V	132 A
I nominal at 500V	102 A
Free passage	36 mm