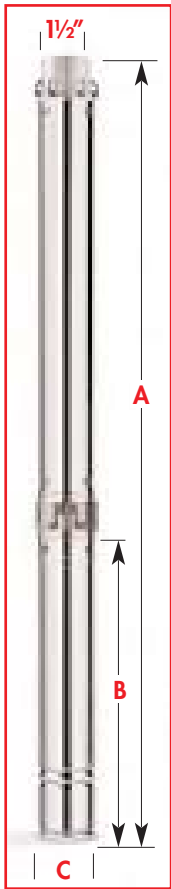




# BBC IDROSOM

## SERIES 100 - 4" BOREHOLE PUMPS



Idrosom Series 100 borehole pumps are available in 230/1/50 and 400/3/50 models.

**Pump Construction:** The pump head, suction body, casing, nuts, bolts and shaft are constructed from AISI 304 stainless steel, coupling in AISI 316 stainless steel, impellers and diffusers Noryl® reinforced with fibre-glass, bearing head Desmopan® with rotating element in AISI 316 stainless steel, discharge in brass OT58.

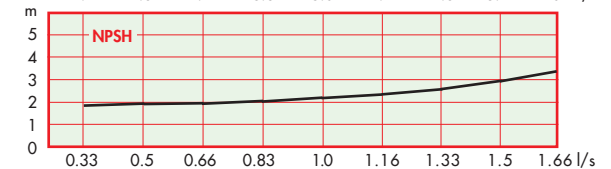
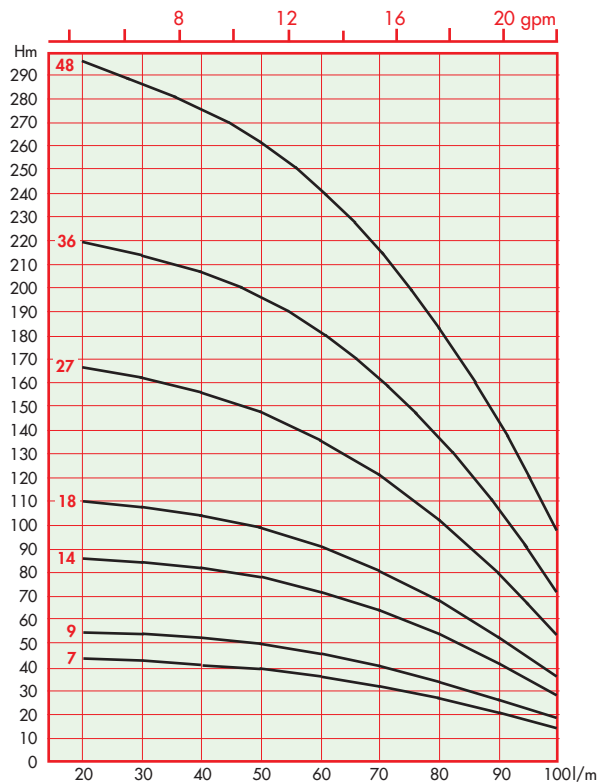
**Motors:** The rewindable motors are coolant filled type, asynchronous with short circuit rotor. Both shaft and coupling meet NEMA standards.

Casing AISI 304, shaft terminal AISI 303, Graphite/Alumina mechanical seal, NBR elastomers.

**Application Features:**

- Maximum immersion depth: 150m.
- Maximum sand content: 150g/m<sup>3</sup>.
- Maximum number of starts per hr: 30
- Maximum temperature of water: 35°C
- Continuous Duty S1 • Protection IP 68
- Insulation Class F • Pumps suitable for horizontal installation up to 18/100.

*Larger Idrosom models up to 7.5kW are also available.*



TECHNICAL DETAILS							
MODEL <small>M = 230/1/50 T = 400/3/50</small>	NOMINAL		NOM AMP	DIM. mm			WEIGHT Kg
	kW	HP		A	B	C	
IDROSOM 7/100M	0.55	0.75	4.4	748	346	95	11.8
IDROSOM 9/100M	0.75	1.0	6.0	830	376	95	13.5
IDROSOM 14/100M	1.1	1.5	8.0	990	406	95	15.6
IDROSOM 18/100M	1.5	2.0	11.0	1144	456	95	18.4
IDROSOM 27/100M	2.2	3.0	15.9	1576	612	95	27.2
IDROSOM 7/100T	0.55	0.75	2.0	748	346	95	11.9
IDROSOM 9/100T	0.75	1.0	2.3	800	346	95	12.2
IDROSOM 14/100T	1.1	1.5	3.2	960	376	95	14.2
IDROSOM 18/100T	1.5	2.0	4.2	1094	406	95	16.2
IDROSOM 27/100T	2.2	3.0	5.7	1420	456	95	20.4
IDROSOM 36/100T	3.0	4.0	8.0	1750	552	95	26.6
IDROSOM 48/100T	4.0	5.5	10.0	2192	612	95	31.9

