

4" ENCAPSULATED SUBMERSIBLE BOREHOLE MOTOR

KEY FEATURES AND BENEFITS

- Encapsulated resin filled stator to provide excellent heat dissipation
- NEMA Standard Shaft and Coupling compatible with most wet ends in the market
- Kingsbury thrust bearing for maintenance free operation
- Labyrinth seal, sand slinger and lip seal for optimum protection against abrasive solids
- Non-toxic and Environmental Friendly Coolant: water and propylene glycol
- All motors are made in Italy by an ISO9001 certified plant
- The motors are 100% factory tested
- Single phase motor available in both versions 2 wire and 3 wire
- Suitable for both vertical and horizontal operation

STANDARD SPECIFICATION

- Motor case: AISI 304
- Motor shaft: AISI 304
- Winding: enameled copper - Class F insulation
- Degree of protection: IP68/Class B insulation
- Max temp. 35° with water cooling flow min. 0.08 m/s
- Max depth immersion: 150 m
- No of start per hour: max 30 at regular intervals
- Voltage variation: +6 / -10%
- Suitable for liquid with pH range 5.8 - 8.6



MOTOR RANGE

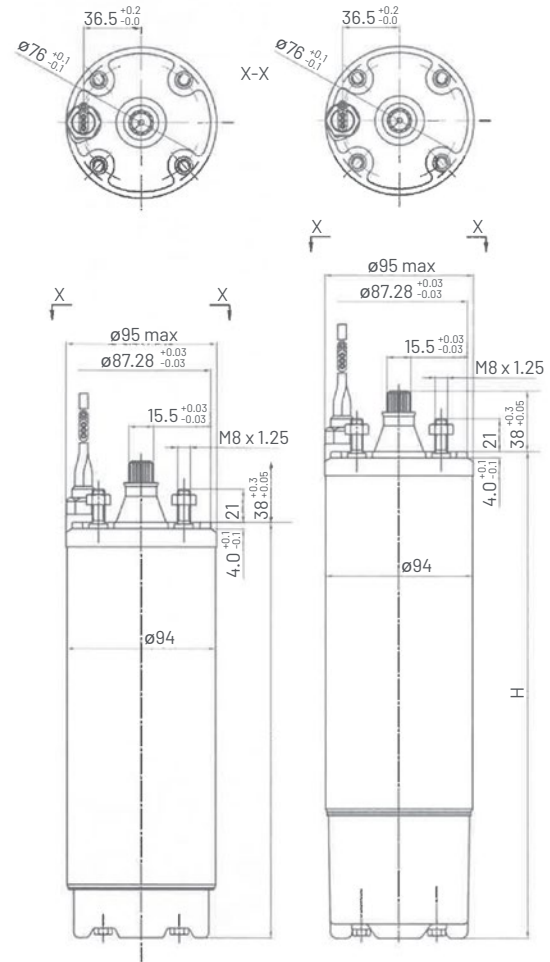
- Single Phase: 0.37kW to 3.7kW, 230V / 50Hz
- Three Phase: 0.75kW to 5.5kW, 415V / 50Hz
- Axial thrust:
 - 1500 N from 0.37kW to 0.75kW
 - 3000 N from 1.1kW to 2.2kW
 - 6500 N for 3.7kW to 5.5kW

SINGLE PHASE 230V / 50Hz - DIMENSION AND WEIGHT

kW	Axial thrust	H	Cable			Weight
		mm	Sez. mm ²	Thickness (mm)	Width (mm)	Kg
0,37	1500 N	250	1,5	5,6	18,8	6,8
0,55		265				8,1
0,75		295				10,6
1,1	3000 N	340	1,5	5,6	18,8	11,2
1,5		375				14
2,2		430				16,4
3,7	6500 N	675	1,5	5,6	18,8	29,4

THREE PHASE 415V / 50Hz - DIMENSION AND WEIGHT

kW	Axial thrust	H	Cable			Weight
		mm	Sez. mm ²	Thickness (mm)	Width (mm)	Kg
0,75	1500 N	265	1,5	5,6	18,8	8,3
1,1	3000 N	295				10,9
1,5		340				11,4
2,2	6500 N	375	1,5	5,6	18,8	14,2
4		555				23,4
5,5	675	675	1,5	5,6	18,8	29,4



230V / 50Hz SINGLE PHASE ELECTRICAL DATA

kW	Part Number (2 wire)	Part Number (3 wire)	H	In	I _{max}	RPM	Cosφ	Ts / Tn PSC	EFF%	C _{run}	C _{start}	R (Ω)		Cable length (m)
			mm	Amp								main	aux	
0,37	701026	701031	250	3,4	11,0	2850	0,90	0,70	54	16	36 - 46	8,19	15,4	1,75
0,55	701027		265	4,4	16,6	2840	0,88	0,63	62	20	72 - 86	6,09	14,59	1,75
0,75	701040	701031	295	6,0	23,1	2880	0,86	0,65	63	30	88 - 106	4,04	9,39	1,75
1,1	701036	701028	340	7,8	29,6	2880	0,90	0,62	68	40	88 - 106	2,95	7,20	1,75
1,5	701030	701024	375	10,5	39,3	2850	0,96	0,60	65	50	130 - 156	2,30	5,15	1,75
2,2		701030	430	15,0	52,5	2860	0,92	0,55	72	70	189 - 227	1,70	3,50	2,50
3,7	701037	701037	675	25,3	102	2915	0,92	0,50	70	100	189 - 227	1,00	1,90	4,00

415V / 50Hz THREE PHASE ELECTRICAL DATA

kW	Part Number	H	In	I _{max}	RPM	Cosφ	Ts / Tn PSC	EFF%	R main	Cable length (m)
		mm	Amp						(Ω)	
0,75	701025	265	2,2	9,2	2840	0,73	1,9	67	24,0	1,75
1,1	701032	295	3,0	14,2	2840	0,74	2,3	72	15,0	1,75
1,5	701033	340	4,0	18,5	2830	0,75	2,1	72	13,7	1,75
2,2	701039	375	5,6	26,5	2830	0,77	2,4	74	7,8	2,50
4	701041	555	10,6	44	2830	0,79	2,3	69	4,0	4,00
5,5	701042	675	13,6	62	2830	0,82	2,2	72	3,3	4,00



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