

Looking ahead,
going beyond expectations
Ahead > Beyond



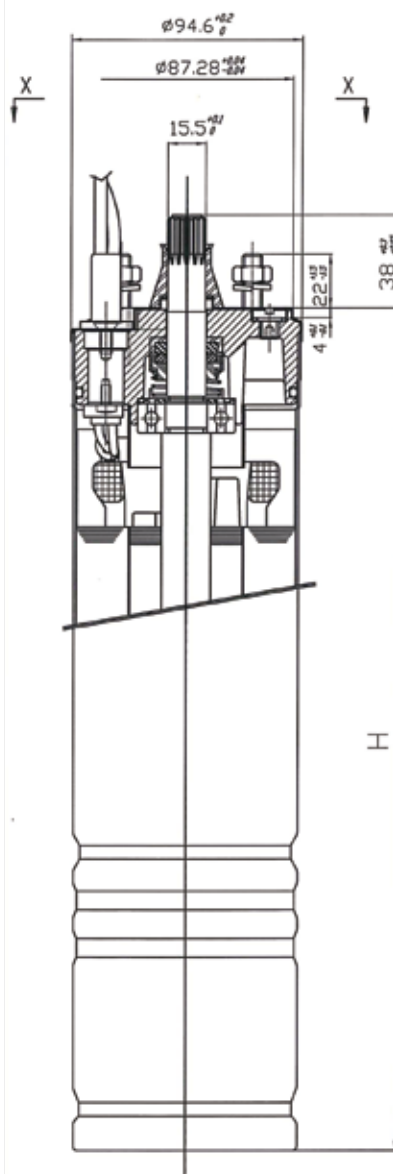
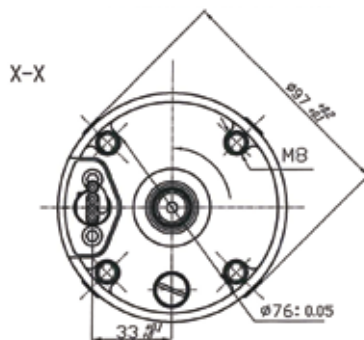
4OY 2WIRE - 4" 2-wire rewindable oil filled submersible motor

Data Book 50/60Hz



4OY 2WIRE

4" 2Wire rewindable oil filled submersible motor



TECHNICAL FEATURES:

- Rewindable stator
- Built in single-phase run capacitor
- Built in thermal protection
- High-resistance nickel-plated cast iron upper support with AISI 304 stainless steel cover. Optional: brass alloy support and micro-cast AISI 316 support.
- AISI 304 stainless steel outer jacket
- Stainless steel motor shaft
- Shaft extension and coupling dimensions compliant with NEMA standards
- Ball bearings for axial and radial loads
- Winding: enamelled copper – insulation class F
- Mechanical seal: Graphite/Ceramic. Optional: SiC/SiC seal
- Coolant: non-toxic dielectric oil with high lubricating capacity allowing a longer life of the moving parts and better response of the motor in case of overloads
- Power cable: removable with connector, standard length 1.75 m (2-wire + earth type)

MOTOR TECHNICAL DATA:

- Motor insulation: class B - Degree of protection: IP 68
- Maximum ambient temperature: 35°C with minimum cooling flow speed of 0.08 m/sec
- Maximum immersion depth: 150 m
- Maximum number of starts per hour: 30 /h (at regular intervals)
- Maximum fluctuation of the line voltage compared to the nominal voltage: $\pm 10\%$
- Horizontal operation: permitted

AVAILABLE RANGE

- Single Phase:: 220-230 V / 50Hz (o 60Hz)
- Power: from 0,37 kW (0,5 Hp) to 1,1 kW (1,5 Hp)
- Other voltages available upon request

Dimensions and weight

Type	kW	Hp	Axial thrust	H mm	Weight Kg	Cable sec. mm ²
4OYM-2W 050	0,37	0,5	1500 N	325	7	1,5
4OYM-2W 075	0,55	0,75	1500 N	325	7,6	1,5
4OYM-2W 100	0,75	1	1500 N	350	8,7	1,5
4OYM-2W 150	1,1	1,5	1500 N	385	10,3	1,5

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50Hz - Single phase 220/230V

Model	Thrust Load N	Weight Kg	H mm	kW	Hp	I _n Amp	I _{start} Amp	I _{max} Amp	RPM	Cosφ	Ts/Tn	EFF%	Cr μF
4OYM-2W 050	1500	7	325	0,37	0,50	3,9/4,1	10,2	3,8	2860	0,93	1,2	46	20
4OYM-2W 075	1500	7,6	325	0,55	0,75	4,8/4,9	13,6	5,6	2820	0,86	0,7	55	25
4OYM-2W 100	1500	8,7	350	0,75	1,00	6/6,2	18,5	8	2830	0,95	0,7	57	30
4OYM-2W 150	1500	10,3	385	1,10	1,50	7,5/7,9	26	10,1	2820	0,86	0,6	70	30

60Hz - Single phase 220/230V

Model	Thrust Load N	Weight Kg	H mm	kW	Hp	I _n Amp	I _{start} Amp	I _{max} Amp	RPM	Cosφ	EFF%	Cr μF	S.F.
4OYM-2W 050	1500	7	325	0,37	0,50	3,2/3,4	13,5	4,2	3480	0,94	53	20	1,6
4OYM-2W 075	1500	7,6	325	0,55	0,75	4,80	18	6,6	3480	0,96	52	25	1,5
4OYM-2W 100	1500	8,7	350	0,75	1,00	6,40	24	7,9	3460	0,91	56	30	1,4
4OYM-2W 150	1500	10,3	385	1,10	1,50	7,9	33	11,2	3460	0,94	65	30	1,3



Stainless steel cover



AISI 316 stainless steel



Brass



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