Looking ahead,
going beyond expectations

Ahead Beyond

EBARA

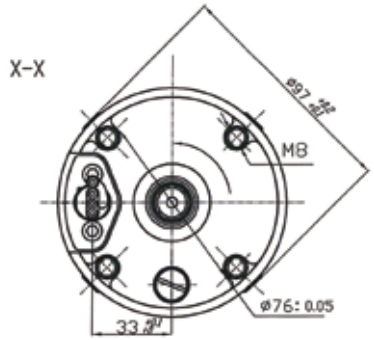
4OY 2WIRE - 4" 2-wire rewindable oil filled submersible motor

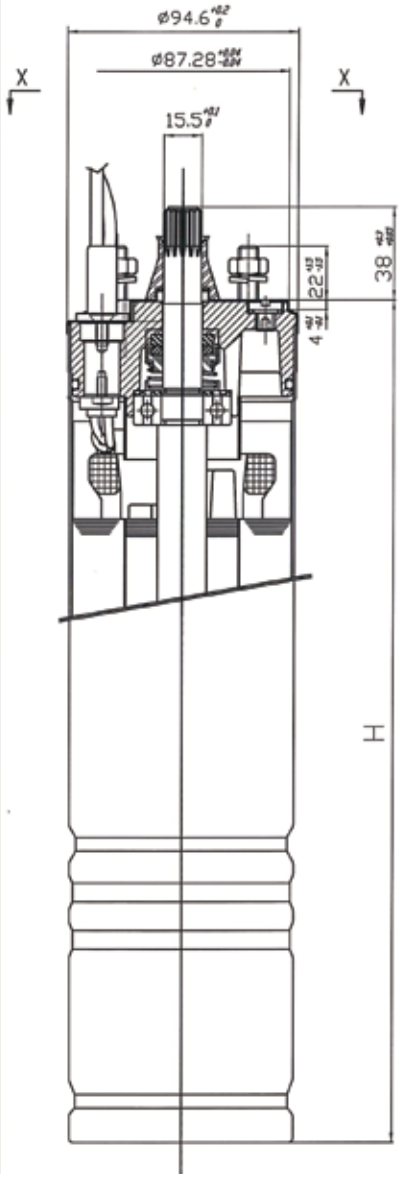
Data Book 50/60Hz



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: ±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. mm²
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

4OY 2WIRE

4” 2Wire rewindable oil filled submersible motor

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

The contents of this publication shall not be regarded as binding.
EBARA Pumps Europe S.p.A. reserves the right to make any changes it deems appropriate without prior notice.

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