



EBARA

OY

4" OIL FILLED SUBMERSIBLE MOTORS



4" SUBMERSIBLE MOTORS

oil filled



TECHNICAL CHARACTERISTICS

- Jacket, shaft and bottom patch in stainless steel
- High resistance upper bracket in nickel cast iron
Options: printed brass alloy bracket – microcast stainless steel AISI 304/316 bracket
- Axial and radial bearings
- Mechanical seal Carbon/Ceramixc
- Option: SiC
- Cooling liquid with high lubricating performance that allow high reliability of components and high motor response for the overloads
- Compensation diaphragm and sand protection properly sized according to pump size
- Extractable connection cable
- Rewindable
- Standard NEMA connection
- Insulation class: F
- Protection degree: IP 68

TECHNICAL DATA

- Maximum voltage variation from nominal: $\pm 10\%$
- Maximum ambient temperature: 35°C with minimum cooling flow rate $0,08 \text{ m/sec}$
- Maximum starts/hr: 30
- Axial thrust:
 - 1500 N from 0,37 kW up to 2,2 kW
 - 2500 N from 2,2 kW up to 5,5 kW
 - 5000 N from 2,2 kW up to 5,5 kW
 - 4400 N from 2,2 kW up to 7,5 kW
- Maximum installation depth: 150 m
- Horizontal operation: allow up to 5,5 kW



Stainless steel cover



AISI 316 Stainless steel



cataphoretic treatment



Brass

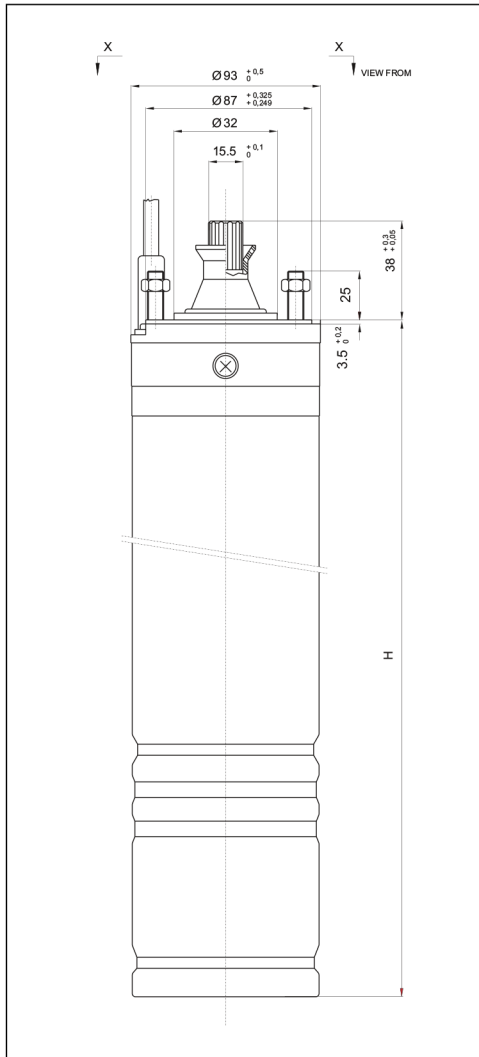
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TECHNICAL DATA - OYM single phase 50Hz

50Hz	Model	Thrust N	Weight kg	H mm	P ₂ kW	HP	I _n	I _{start} Amp	I _{max}	rpm	Cosφ	T _s /T _n	Eff%	μF
230V single phase	OYM 050	1500	7	325	0,37	0,5	3,4	10,8	4,0	2860	0,94	1	53	20
	OYM 075	1500	7,6	325	0,55	0,75	4,2	13,9	5,4	2855	0,92	0,87	60	25
	OYM 100	1500	8,7	350	0,75	1	5,6	18,5	6,5	2850	0,92	0,7	62	35
	OYM 150	1500	10,3	385	1,1	1,5	7,8	23	9,0	2850	0,92	0,5	66	40
	OYM 200	1500	12	420	1,5	2	10,8	38,7	12,1	2840	0,88	0,55	68	50
	OYM 300	1500	14,2	470	2,2	3	14,6	43,5	16,1	2820	0,94	0,48	69	70

DIMENSIONS - OYM 50Hz



DIMENSIONS TABLE - OYM 50Hz

Type	kW	HP	Thrust	H mm	Lunghezza	Cavo Sez. mm ²	A mm	B mm	Weight kg
OYM 050	0,37	0,5	1500 N	325	1,75	1,5	5,6	18,8	7
OYM 075	0,55	0,75	1500 N	325	1,75	1,5	5,6	18,8	7,6
OYM 100	0,75	1	1500 N	350	1,75	1,5	5,6	18,8	8,7
OYM 150	1,1	1,5	1500 N	385	1,75	1,5	5,6	18,8	10,3
OYM 200	1,5	2	1500 N	420	1,75	1,5	5,6	18,8	12
OYM 300	2,2	3	1500 N	470	2,5	1,5	5,6	18,8	14,2

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Cable selection - e.g.: 1,1 kW motor - 230V single phase - cable lenght 53 m = 4x2,5 mm2

Motor	HP	kW	Cable type						
			4x1	4x1,5	4x2,5	4x4	4x6	4x10	4x16
4" Single phase 230V	0,5	0,37	50	75	125	-	-	-	-
	0,75	0,55	38	57	95	152	-	-	-
	1	0,75	30	45	75	120	174	-	-
	1,5	1,1	22	33	53	85	127	210	-
	2	1,5	-	23	38	63	92	154	246
	3	2,2	-	-	28	45	67	112	180
4" Three phase 400V	0,5	0,37	240	-	-	-	-	-	-
	0,75	0,55	164	246	-	-	-	-	-
	1	0,75	133	200	333	-	-	-	-
	1,5	1,1	97	146	244	390	-	-	-
	2	1,5	72	109	180	290	435	-	-
	3	2,2	51	78	130	207	310	516	-
	4	3	41	62	104	167	250	416	-
	5,5	4	31	46	77	124	186	310	496
	7,5	5,5	-	33	56	90	135	225	360
	10	7,5	-	-	-	66	100	165	270



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