



40M SERIES

4" REWINDABLE OIL FILLED SUBMERSIBLE MOTOR



TECHNICAL FEATURES

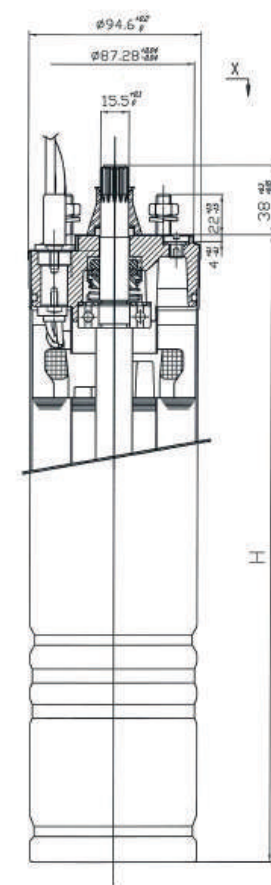
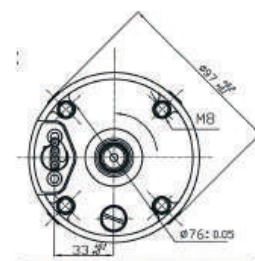
- Rewindable.
- Upper bracket: Nickel plated cast iron.
- SS304 cover sheet / Brass / SS316 available.
- Motor case: SS 304.
- Motor shaft: SS 304.
- Shaft extension and coupling: NEMA Standard.
- High quality radial and thrust ball bearings.
- Winding: enamelled copper - Class F insulation.
- Degree of protection IP68/Class B insulation.
- Max temp. 35° with water cooling flow min. 0.08 m/s.
- Max depth immersion: 150 m.
- Nos. of start per hour: max 30 at regular intervals.
- Over-dimensioned sand slinger.
- Mechanical seal: graphite/ceramic. SiC/SiC or SiC/Al mechanical seal available as option.
- Coolant: dielectric non toxic high quality lubricant.
- Motor cable length: 1.75 to 4 m according to motor size (3 wires plus ground).
- Voltage tolerance: +/-10%.
- Single phase motor available in both version CSCR & PSC.
- Suitable for horizontal operation.

MOTOR RANGE VERSIONS:

- **Single Phase:** 0.37kW (0.5hp) to 4kW (5.5hp), 220V / 50Hz
- **Three Phase:** 0.37kW (0.5hp) to 7.5kW (10hp), 380V / 50Hz
- **Axial thrust:** - 1500 N from 0.37kW to 2.2kW
 - 2500 N from 2.2kW to 5.5kW
 - 5000 N from 2.2kW to 5.5kW
 - 7500 N from 2.2kW to 7.5kW

DIMENSIONS AND WEIGHT

	Type	kW	HP	Axial thrust	H mm	Cable			Weight Kg
						Sez mm²	A mm	B mm	
SINGLE PHASE 220V / 50Hz	4OM-S050	0.37	0.5	1500 N	325	1.5	5.6	18.8	7
	4OM-S075	0.55	0.75		325				7.6
	4OM-S100	0.75	1		350				8.7
	4OM-S150	1.1	1.5		385				10.3
	4OM-S200	1.5	2		420				12
	4OM-S300	2.2	3		470				14.2
THREE PHASE 380V / 50Hz	4OM-S400	3	4	7500 N	520				15.5
	4OM-S550	4.0	5.5		644				21.6
	4OM-T050	0.37	0.5	1500 N	304				6.5
	4OM-T075	0.55	0.75		325				7
	4OM-T100	0.75	1		325				7.6
	4OM-T150	1.1	1.5		350				8.7
	4OM-T200	1.5	2		385				10.4
	4OM-T300	2.2	3		420				12
	4OM-T300	2.2	3	2500 N	383				11
	4OM-T400	3	4		418				12.8
	4OM-T550	4	5.5		468				15.3
	4OM-T750	5.5	7.5		538				18.6
	4OM-T300	2.2	3	5000 N	383	2	6	19.5	11.2
	4OM-T400	3	4		418				13.1
	4OM-T550	4	5.5		468				15.6
	4OM-T750	5.5	7.5		538				18.9
	4OM-T300	2.2	3	7500 N	466	1.5	5.6	18.8	14.2
	4OM-T400	3	4		544				19
	4OM-T550	4	5.5		574				20
	4OM-T750	5.5	7.5		644	2	6	19.5	22.4
	4OM-T1000	7.5	10		805				27



4OM SERIES



4" REWINDABLE OIL FILLED SUBMERSIBLE MOTOR

SINGLE PHASE

50Hz.		Thrust Load	Weight	H	kW	HP	In	Istart	RPM	Cosφ	Ts/Tn	EFF%	μF	Rm	Ra	Nominal Torque
		N	Kg	mm			Amp							Ω		
220 V	4OM-S050	1500	7	325	0.37	0.5	3.7	12	2860	0.94	1	53	20	9	19	1.24
	4OM-S075		7.6	325	0.55	0.75	5	15	2855	0.92	0.87	60	25	6.4	12.4	1.86
	4OM-S100		8.7	350	0.75	1	6.2	20	2850	0.92	0.7	62	35	4.8	8.0	2.52
	4OM-S150		10.3	385	1.1	1.5	8.1	32	2850	0.92	0.5	66	40	3.4	6.6	3.69
	4OM-S200		12	420	1.5	2	10.4	38	2840	0.88	0.55	68	50	2.3	4.8	5.05
	4OM-S300	1500	14.2	470	2.2	3	15	46	2820	0.94	0.48	69	70	1.8	3.3	7.45
	4OM-S400	5000	15.5	468	3	4	20.9/21.1	150	2830	0.98	0.65	76	80	1.3	2.4	9.9
		7500	15.5	520			19/21	75/7	2870	0.9	0.5	72	80	1.2	2.1	10
	4OM-S550	5000	21.6	520	4.0	5.5	28.1	86	2860	0.98	0.55	71	130	1.5	3.5	10
		7500	21.6	644			24/25	125	2820	0.91	0.5	72	100	1.0	1.48	13.7

THREE PHASE

50Hz.		Thrust Load	Weight	H	kW	HP	In	Istart	RPM	Cosφ	Ts/Tn	EFF%	R	Nominal Torque
		N	Kg	mm			Amp			Ω	Nm			
380 V	4OM-T050	1500	6.5	325	0.37	0.5	1.6	4.5	2855	0.72	2.9	60	35.7	1.2
	4OM-T075		7	325	0.55	0.75	1.9	6.7	2830	0.71	3.1	62	27.3	1.9
	4OM-T100		8.7	350	0.75	1	2.3	8.9	2830	0.71	3.1	66	19.7	2.5
	4OM-T150		10.3	325	1.1	1.5	3.1	12	2830	0.7	3.2	73	14.1	3.7
	4OM-T200		12	420	1.5	2	4	14	2830	0.70	3.1	73	9.3	5.1
	4OM-T300	1500	12	420	2.2	3	5.8/6.2	25	2820	0.78	3.1	75	7.5	7.7
		2500	11	383			5.6	22	2820	0.79	2.9	74	9.3	7.4
		5000	11.2	383			5.4/5.8	25	2820	0.79	2.9	74		
		7500	14.2	466			5.8/6.2	25	2820	0.78	3.1	75	7.5	7.7
	4OM-T400	2500	12.8	418	3	4	7.6/7.8	35	2820	0.81	2.8	74	6.2	6.2
		5000	13.1	418			7.6/7.8	34	2820	0.81	2.8	74		
		7500	19	544			7.9/8.0	34	2860	0.75	3	77	4.3	7.7
	4OM-T550	2500	15.3	468	4	5.5	9.8/9.9	49	2835	0.82	3.0	76	4.6	10.1
		5000	15.6	468			9.8	49	2835	0.82	3.0	76		
		7500	20	574			10.0/10.2	51	2830	0.79	3.2	76	3.9	13.6
	4OM-T750	2500	18.6	538	5.5	7.5	13.5/13.8	57	2820	0.85	3.0	78	3.5	18.8
		5000	18.9	538			13.7	65	2820	0.85	3.0	78		
		7500	22.4	644			14.5/14.7	58	2830	0.72	3.1	76	2.7	18.5
	4OM-T1000	7500	27	805	7.5	10	18.7	87	2830	0.8	3.2	79	2	25.5
220 V	4OM-T050	1500	6.5	304	0.37	0.5	2.8	7.8	2855	0.72	2.9	60	11.9	1.2
	4OM-T075		7	325	0.55	0.75	3.3	11.6	2830	0.71	3.1	62	9.1	1.9
	4OM-T100		7.6	325	0.75	1	4	15	2830	0.71	3.1	66	6.6	2.5
	4OM-T150		8.7	350	1.1	1.5	5.4	21	2830	0.7	3.2	73	4.7	3.7
	4OM-T200		10.4	385	1.5	2	7	24	2830	0.70	3.1	73	3.1	5.1
	4OM-T300	1500	12	420	2.2	3	9.7/10	43.3	2820	0.78	3.1	75	2.5	7.7
		2500	11.0	383			9.7	38	2820	0.79	2.9	74	3.1	7.4
		5000	11.2	383			9.4/9.7	43.3	2820	0.79	2.9	74		
		7500	14.2	466			10/10.4	43.3	2820	0.78	3.1	75	2.5	7.7
	4OM-T400	2500	12.8	418	3	4	13/13.3	60.6	2820	0.81	2.8	74	2.1	10.4
		5000	13.1	418			12.8	74	2820	0.81	2.8	74		
		7500	19	544			13.7/13.9	58.8	2860	0.75	3	77	1.4	10.1
	4OM-T550	2500	15.3	468	4	5.5	17/17.3	84.8	2835	0.82	3.0	76	1.5	13.7
		5000	15.3	468			17.8	84	2835	0.82	3.0	76		
		7500	20	574			17.3/17.7	88.2	2830	0.79	3.2	76	1.3	13.6
	4OM-T750	2500	18.6	538	5.5	7.5	23.4/23.7	98.6	2820	0.85	3.0	78	1.2	18.8
		5000	18.9	538			24	112	2820	0.85	3.0	78		
		7500	22.4	644			25.1/25.4	100.3	2830	0.72	3.1	76	0.9	18.5



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