

4" SUBMERGED ELECTRIC MOTORS - 1~ -

TYPE Single-phase	Rated power P2		Axial load N	Giri 1/min	Rated current A	Starting current A	Efficiency η	Power factor $\cos\phi$	Starting torque	Capacitor e (Vc=450V) μF	h mm	Weight kg
	kW	HP							Rated torque			
230 V / 50Hz												
SM05-4RM	0.37	0.50	1500	2810	3.1	8.5	64%	0.85	0.70	16	294	6.8
SM07-4RM	0.55	0.75		2820	4.2	14.5	66%	0.86	0.75	20	319	8.0
SM10-4RM	0.75	1		2840	6.4	20.5	68%	0.84	0.79	31.5	344	9.1
SM15-4RM	1.1	1.5	2500	2840	8.3	27	70%	0.85	0.78	40	404	11.5
SM20-4RM	1.5	2		2850	10.8	34	71%	0.85	0.76	55	454	13.7
SM30-4RM	2.2	3		2820	15.3	47	69%	0.81	0.58	75	600	18.4

4" SUBMERGED ELECTRIC MOTORS - 3~ -

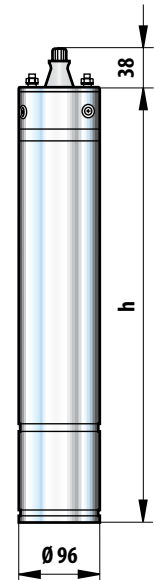
TYPE Three-phase	Rated power P2		Axial load N	Giri 1/min	Rated current A	Starting current A	Efficiency η	Power factor $\cos\phi$	Starting torque	h mm	Weight kg
	kW	HP							Rated torque		
400 V / 50Hz											
SM05-4R	0.37	0.50	1500	2815	1.2	4.5	67%	0.68	2.20	294	6.8
SM07-4R	0.55	0.75		2815	1.7	6.4	69%	0.69	2.00	294	6.8
SM10-4R	0.75	1		2820	2.1	8	70%	0.74	2.30	319	8.0
SM15-4R	1.1	1.5	2500	2835	2.9	12	73%	0.75	2.60	344	9.1
SM20-4R	1.5	2		2830	4.1	16.5	75%	0.75	2.80	404	11.5
SM30-4R	2.2	3		2840	5.6	23	76%	0.75	3.10	454	13.7
SM40-4R	3	4	4500	2830	7.4	35.2	77%	0.76	3.20	560	16.1
SM55-4R	4	5.5		2840	9.9	45	79%	0.75	2.44	660	21.5
SM75-4R	5.5	7.5		2830	12.9	62	79%	0.76	2.10	745	25.0
SM100-4R	7.5	10	2840	18.2	94.3	80%	0.75	2.73	850	30.0	

Rewindable submerged motors, oil filled, suitable for food use, 50 Hz (n=2900 1/min)

Insulation: class F. - **Protection:** IP 68. - **Power cable:** 1.5 metres (2.5 metres for powers higher than 3 kW) submerged type, approved for drinking water.

LIMITS OF USE:

Water temperature: up to +30 °C - **Starts/hour:** 25 at regular intervals - **Cooling:** water flow rate not less than 5 cm/s



FRANKLIN ELECTRIC® 6" SUBMERGED ELECTRIC MOTORS - 3~ -

TYPE Three-phase	Rated power P2		Axial load N	Giri 1/min	Rated current A	Starting current A	Efficiency η	Power factor $\cos\phi$	Starting torque	h mm	Weight kg
	kW	HP							Rated torque		
400 V / 50Hz											
6FK / 5.5	4	5.5	15500	2860	9.3	43	78%	0.82	1.6	582	37.5
6FK / 7.5	5.5	7.5	15500	2870	12.5	64	79%	0.82	1.9	615	41.1
6FK / 10	7.5	10	15500	2860	16	83	79%	0.86	1.9	647	45.2
6FK / 12.5	9.2	12.5	15500	2870	20.7	112	81%	0.80	2.2	679	47.5
6FK / 15	11	15	15500	2860	23.3	129	81%	0.85	2.1	712	50.9
6FK / 20	15	20	15500	2860	31.3	169	81%	0.85	2.1	777	56.7
6FK / 25	18.5	25	15500	2850	38.5	231	82%	0.85	2.5	842	63.3
6FK / 30	22	30	15500	2860	45.3	268	83%	0.86	2.4	907	69.3
6FK / 40	30	40	27500	2860	63.5	393	83%	0.84	2.6	1037	83.9
6FK / 50	37	50	27500	2880	73	410	84.5%	0.87	2.3	1405	135.0
6FK / 60	44	60	27500	2870	93.9	514	86%	0.84	2.2	1558	148.0

FRANKLIN ELECTRIC® resin-impregnated submerged motors, 50 Hz (n=2900 1/min)

Insulation: class F. - **Protection:** IP 68. - **Power cable:** 4 metres long, submersible type, approved for drinking water.

LIMITS OF USE:

Water temperature: maximum 30 °C - **Starts/hour:** 20 at regular intervals - **Cooling:** water flow rate not less than 16 cm/s

