

## SYNCHRONOUS MOTORS

EVERCOM's Synchronous Motors are compact, Inductor motors with built in gears. They deliver high torque output with very low power consumption, low noise, low cost, and long lifetime. Everything is self-contained within the simple and compact package, with no condensers or other peripheral components necessary. Since these are high-response condenser-run motors, they are characterized by quick response starts, and the ability to switch between forward and reverse rotation direction. Precision gears and motor are packaged in a simple design, compact body. Available in wide speed ranges at reasonable costs.



**ED-5N**



**ED-9**



**ED-12**



### TYPICAL SPECIFICATION

MODEL	FREQUENCY Hz	No. of POLES P	VOLTAGE V	POWER INPUT W	NO-LOAD CURRENT mA	NO-LOAD PULL-IN VOLTAGE V max.	WEIGHT g	ROTATION DIRECTION	SPEED/TORQUE rpm/kgf.cm									
									60	30	15	10	6	5	4	3	2	1
ED-5N	50/60	16	100	1.5	15	80	105	CW or CCW	0.02	0.04	0.08	0.12	0.20	0.24	0.30	0.40	0.6	0.8
ED-9	50/60	16	100	2	20	80	150		0.03	0.065	0.10	0.18	0.30	0.36	0.50	0.65	1.0	1.0
ED-12	50/60	12	100	2.5	35	80	130		0.25	0.50	1.00	1.50	2.50	3.00	3.75	5.00	5.0	5.0

**ESR-25**



**ESR-48**



**ESR-48**



**ESR-1**



**ESR-6**



### TYPICAL SPECIFICATION

MODEL	FREQUENCY Hz	No. of P	VOLTAGE V	POWER INPUT W	NO-LOAD CURRENT mA	PHASE SHIFT CAPACITOR uF	NO-LOAD PULL-IN TORQUE V max.	WEIGHT g
ESR25G	50 60	12	24	1.5	60	2.2	20	60
ESR48G	50 60	24	100	2.5	25	0.22	80	150
ESR1G	50 60	12	100	3	30	0.33 0.27	80	140
ESR4G	50 60	16	100	5.3	65	0.8	80	410
ESR6G	50 60	16	100	6	80	0.9 0.7	80	550

**SR60-6HP**

**SR60-8HP**



**FEATURE :**

- Switchable forward and reverse revolution.
- In various speed specification
- Compact ,yet powerful.
- High response, low power consumption.
- Low noise, long life.
- All spec. in accord with JIS,CE.

**TYPICAL SPECIFICATION**

MODEL	FREQUENCY Hz	No. of P	VOLTAGE V	POWER INPUT W	NO-LOAD CURRENT mA	PHASE SHIFT CAPACITOR uF	NO-LOAD PULL-IN TORQUE V max.	WEIGHT g
ESR60-6HP	50 60	16	100	5.5 7	60 80 max.	0.8	80	500
ESR60-8HP	50 60	16	100	5.5 7	60 80 max.	0.8	80	530

**SPEED/TORQUE**

MODEL	GEAR RATIO	50Hz	3	5	7.5	12.5	15	25	30	50	75	100	150	187.5	250	300	375	500	750	1500
		60Hz	3.6	6	9	15	18	30	36	60	90	120	180	225	300	360	450	600	900	1800
ESR60-6HP & 6H□	SPEED rpm	125	75	50	30	25	*15	*12.5	*7.5	*5	*3.75	2.5	2	1.5	1.25	1	*0.75	*0.5	*0.25	
	TORQUE kgf.cm	0.9	1.5	2.4	4.0	4.8	7.2	8.7	10	10	10	10	10	10	10	10	10	10	10	10
ERS60-8HP & 8H□	SPEED rpm	125	75	50	30	25	*15	*12.5	*7.5	*5	*3.75	*2.5	2	1.5	1.25	1	*0.75	*0.5	*0.25	
	TORQUE kgf.cm	0.9	1.5	2.4	4.0	4.8	7.2	8.7	14	21	29	40	40	40	40	40	10	40	40	40

**NOTE:** 1: On models marked with asterisks(\*), the direction of gear head shaft rotation is reverse of rotation Direction.

2. In notation model number: the reduction ratio denominator in the position maker with the box sign □

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