



Adept Motors™



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AC Induction Motors

- Continuous Operation, Rotates in Clockwise or Anti Clockwise Direction
- Speeds are 2880 / 1440 RPM and further low speeds with Gearbox
- Terminal Box or Lead Wire for connection

Specifications :

Output Power W	Voltage V	Motor Speed RPM	Current A	Capacitor µF	Starting Torque Kg. cm.	Rated Torque Kg. cm.	Frequency Hz	Model
12	Single Phase 110 V	1500	0.30	3.0	0.6	0.09	50	65 12-4 AWGI
	Single Phase 230 V	1500	0.15	0.8	0.06	0.09		65 12-4 AXGI
	Three Phase 230 V	1500	0.12	---	0.09	0.08		65 12-4 AYGI
	Three Phase 415 V	1500	0.07	---	0.09	0.08		65 12-4 AZGI
25	Single Phase 110 V	1440	0.40	5.0	1.1	1.8	50	80 25-4 AWGI
	Single Phase 230 V	1440	0.22	1.5	1.2	1.8		80 25-4 AXGI
	Three Phase 230 V	1440	0.21	---	2.1	1.7		80 25-4 AYGI
	Three Phase 415 V	1440	0.15	---	2.1	1.7		80 25-4 AZGI
40	Single Phase 110 V	1440	0.70	8.0	2.0	3.0	50	90 40-4 AWGI
	Single Phase 230 V	1440	0.40	2	2.0	3.0		90 40-4 AXGI
	Three Phase 230 V	1440	0.33	---	4.0	3.0		90 40-4 AYGI
	Three Phase 415 V	1440	0.20	---	4.0	3.0		90 40-4 AZGI
60	Single Phase 110 V	1440	1.10	36	3.2	4.9	50	90 60-4 AWGI
	Single Phase 230 V	1440	0.57	6.0	3.2	4.9		90 60-4 AXGI
	Three Phase 230 V	1440	0.54	---	6.0	4.5		90 60-4 AYGI
	Three Phase 415 V	1440	0.30	---	6.0	4.5		90 60-4 AZGI
90	Single Phase 110 V	1440	1.50	36	4.5	6.9	50	90 90-4 AWGI
	Single Phase 230 V	1440	0.75	3.5	4.5	6.9		90 90-4 AXGI
	Three Phase 230 V	1440	0.70	---	7.8	7.0		90 90-4 AYGI
	Three Phase 415 V	1440	0.39	---	7.8	7.0		90 90-4 AZGI
180	Three Phase 230 V	1440	1.50	---	15.0	14.0	50	90 180-4 AYGI
	Three Phase 415 V	1440	0.75	---	15.0	14.0		90 180-4 AZGI
180	Single Phase 230 V	1440	3.1	6	25	20	50	104 180-4 AXGI
360	Three Phase 230 V	1440	3.2	---	25	20	50	104 360-4 AYGI
	Three Phase 415 V	1440	3.2	---	25	20		104 360-4 AZGI

Reversible Motors

- Short Duty operation, quick reversal of direction of rotation
- Continuously applied internal brake to minimise overrun
- Speeds are 2880 / 1440 RPM and further low speeds with Gearbox
- Terminal Box or Lead Wire for connection.

PMDC Motors

- Continuous Operation, Carbon Brush Permanent magnet Motor.
- Speeds are 3000 / 1500 RPM and further low speeds with Gearbox
- Terminal Box or Lead Wire for connection.

Electro Magnetic Brake Motors

- Continuous Operation with frequent start stop, load holding & minimum overrun
- Electro Magnetic Fail Safe (Power Off Activated) Brake externally fitted at the back
- Speeds are 2880 / 1440 RPM and further low speeds with Gearbox
- Terminal Box or Lead Wire for connection.

Gear Motor Torque Table :

Induction / Reversible / Electromagnetic Brake Motors / PMDC Motors

Unit : kg. cm.

RPM	500	416	300	250	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10	8.3
Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
12 W	-	2.8	4	4.8	6	7.1	10.2	12	14	18	21	23	33	38	40	40	40	40	40	40
25 W	5	6	8.3	10	12	15	21	25	30	37	45	54	68	80	80	80	80	80	80	80
40 W	7.3	8.7	12	15	18	22	30	36	44	55	66	79	99	118	145	145	195	200	200	200
60 W	12	14	20	24	30	36	45	54	64	81	97	116	162	194	200	200	200	200	200	200
90 W	18	21	30	35	44	53	67	80	96	120	145	171	200	200	200	200	200	200	200	200
180 W	36	42	60	70	88	106	134	160	192	200	200	200	200	200	200	200	200	200	200	200
360 W	65	75	110	90	135	200	260	300	330	350	350	350	350	350	350	350	350	350	350	350

- The actual motor speed is 2-20 % less depending upon load.
- The Product contains a built-in thermal protector.
- When a motor overheats for any reason, the thermal protector is opened.
- When the motor temperature drops, the thermal protector closes and then motor restarts.
- Be sure to turn the motor off before inspecting.
- Characteristics, specifications and dimensions are subjected to change without notice.

Dimensions :

Induction / Reversible Motors

Unit : mm

Output Power W	Square Frame	A	B	C	ØD	E	ØF	ØG PCD	ØH	ØI	J	ØK	L	M	N	O	P	KEY
12	65	97	40	32	10	13.5	25	76	5.5	58	32	8	7	25	1.5	7	3	4 x 25
25	80	85	43	32	10	15	34	94	5.5	73	32	8	7	25	2.0	7	3	4 x 25
40	90	120	65	38	15	18	34	104	6.5	83	37	10	9	30	2.0	7.5	7	5 x 25
60	90	135	65	38	15	18	34	104	6.5	83	37	12	11	30	2.0	7.5	7	5 x 25
90	90	135	65	38	15	18	34	104	6.5	83	37	12	11	30	2.0	7.5	7	5 x 25
180	90	135	65	38	15	18	34	104	6.5	83	37	12	11	30	2.0	7.5	7	5 x 25
180	104	165	75	43	18	20	44	120	9.0	95	39	14	13	30	3.0	9.0	7	6 x 25
360	104	165	75	43	18	20	44	120	9.0	95	39	14	13	30	3.0	9.0	7	6 x 25

