

ALPHA SERIES

Low noise, high compatibility motion systems

AT A GLANCE

- ▶ Permanent magnet AC servo motors from 200 - 2000W
- ▶ Vibration free performance at nominal torque
- ▶ Highly compatible incremental digital encoder
- ▶ Fully enclosed frame with IP67 rating
- ▶ Very low cogging torques
- ▶ Integrated brake option



Cost effective motion solution available in a range of industry standard sizes.

WIDE POWER RANGE

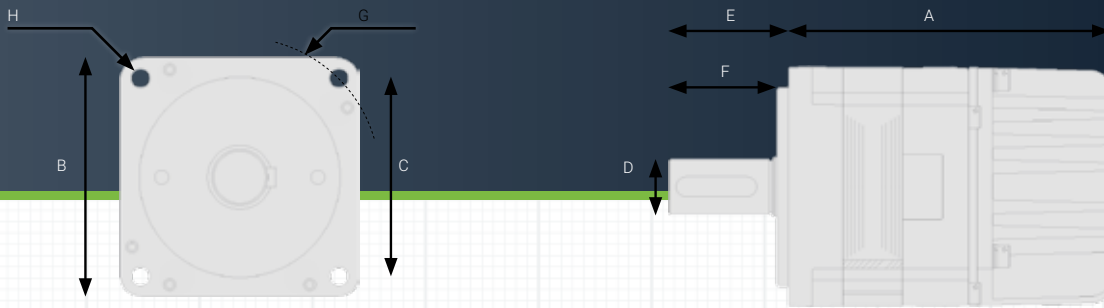
Motor inertia and electrical performance are designed to suit a wide range of applications.

SMOOTH OPERATION

Alpha Series motors deliver low noise and vibration free performance at nominal torque in most demanding applications.

INDUSTRY STANDARD

Incremental digital encoders are used to ensure compatibility with most industrial servo drives.



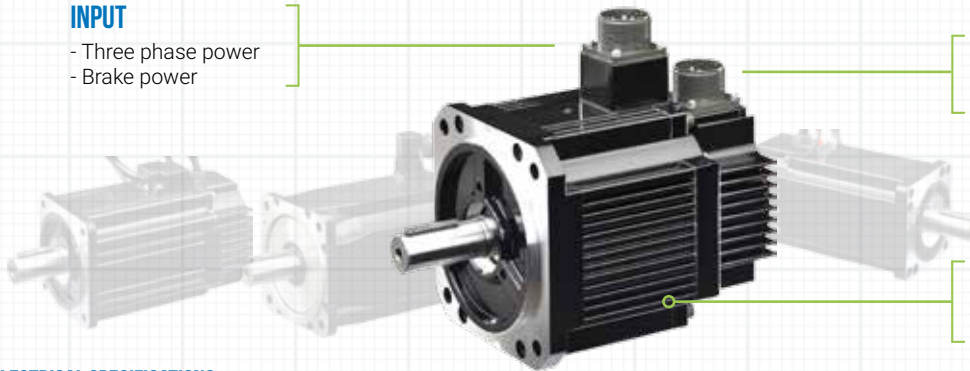
MECHANICAL SPECIFICATIONS

Product Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Weight (kg)	Insulation Grade	Connector Style	Rotor Inertia (kgcm ²)
MA60-0630-A	112.8	60	50	14	30	27	70	5.5	1.03	F (155°C)	AMP	0.17
MA60-1330-A	132.8	60	50	14	30	27	70	5.5	1.37	F (155°C)	AMP	0.28
MA80-2430-A	139	80	70	19	40	37	90	5.5	2.47	F (155°C)	AMP	0.94
MA86-2430-A	148	86	80	16	35	32	100	5.5	3.41	F (155°C)	AMP	2.45
MA130-4830-A	164.8	130.4	110	22	58	52	145	6.5	6.47	B (130°C)	MS	6.26
MA130-5310-A	164.8	130.4	110	22	58	52	145	9	6.47	B (130°C)	MS	6.26
MA130-7220-A	183.8	130.4	110	22	58	52	145	9	8.08	B (130°C)	MS	8.88
MA130-9620-A	214.8	130.4	110	22	58	52	145	9	10.18	B (130°C)	MS	12.14
MA60-0630-AB	147.3	60	50	14	30	27	70	5.5	1.43	F (155°C)	AMP	0.22
MA60-1330-AB	167.3	60	50	14	30	27	70	5.5	1.77	F (155°C)	AMP	0.33
MA80-2430-AB	174	80	70	19	40	37	90	5.5	3.12	F (155°C)	AMP	1.07
MA86-2430-AB	183.2	86	80	16	35	32	100	5.5	4.06	F (155°C)	AMP	2.58
MA130-4830-AB	219.3	130.4	110	22	58	52	145	6.5	7.57	B (130°C)	MS	6.58
MA130-5310-AB	219.3	130.4	110	22	58	52	145	9	7.57	B (130°C)	MS	6.58
MA130-7220-AB	238.3	130.4	110	22	58	52	145	9	9.18	B (130°C)	MS	9.20
MA130-9620-AB	269.3	130.4	110	22	58	52	145	9	11.28	B (130°C)	MS	12.46

INTEGRATED BRAKE

INPUT

- Three phase power
- Brake power



FEEDBACK

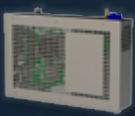
- Encoder signal
- Temperature signal

FEATURES

- IP67 rating
- 8 motor poles

ELECTRICAL SPECIFICATIONS

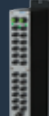
Product Code	Rated Torque (Nm)	Rated Speed (rpm)	Rated Power (W)	Rated Current (A)	Torque Constant (Nm/A)	Voltage Constant (V/krpm)	Max Current (A)	Max Speed (rpm)	Stator Resistance (Ω)	Stator Inductance (mH)
MA60-0630-A	0.637	3000	200	1.8	0.39	23.33	5.4	7000	7.5	16.2
MA60-1330-A	1.274	3000	400	2.5	0.51	35.28	7.5	5000	5.6	14.5
MA80-2430-A	2.387	3000	750	4.3	0.61	36.83	12.9	5000	2.1	8.63
MA86-2430-A	2.39	3000	750	3.4	0.78	54.3	10.2	5000	2.18	7.7
MA130-4830-A	4.78	3000	1500	7.06	0.74	51.7	21.2	5000	0.65	3.58
MA130-5310-A	5.25	1000	550	3.43	1.68	117.3	10.3	2000	3.58	18.33
MA130-7220-A	7.16	2000	1500	7.57	1.06	72.5	22.71	4000	0.79	4.74
MA130-9620-A	9.545	2000	2000	9	1.139	68.89	27	3500	0.58	3.78



CNC



MOTORS



IO DEVICES



USER INTERFACES



SOFTWARE



SERVO DRIVES

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Motion Control Solutions

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