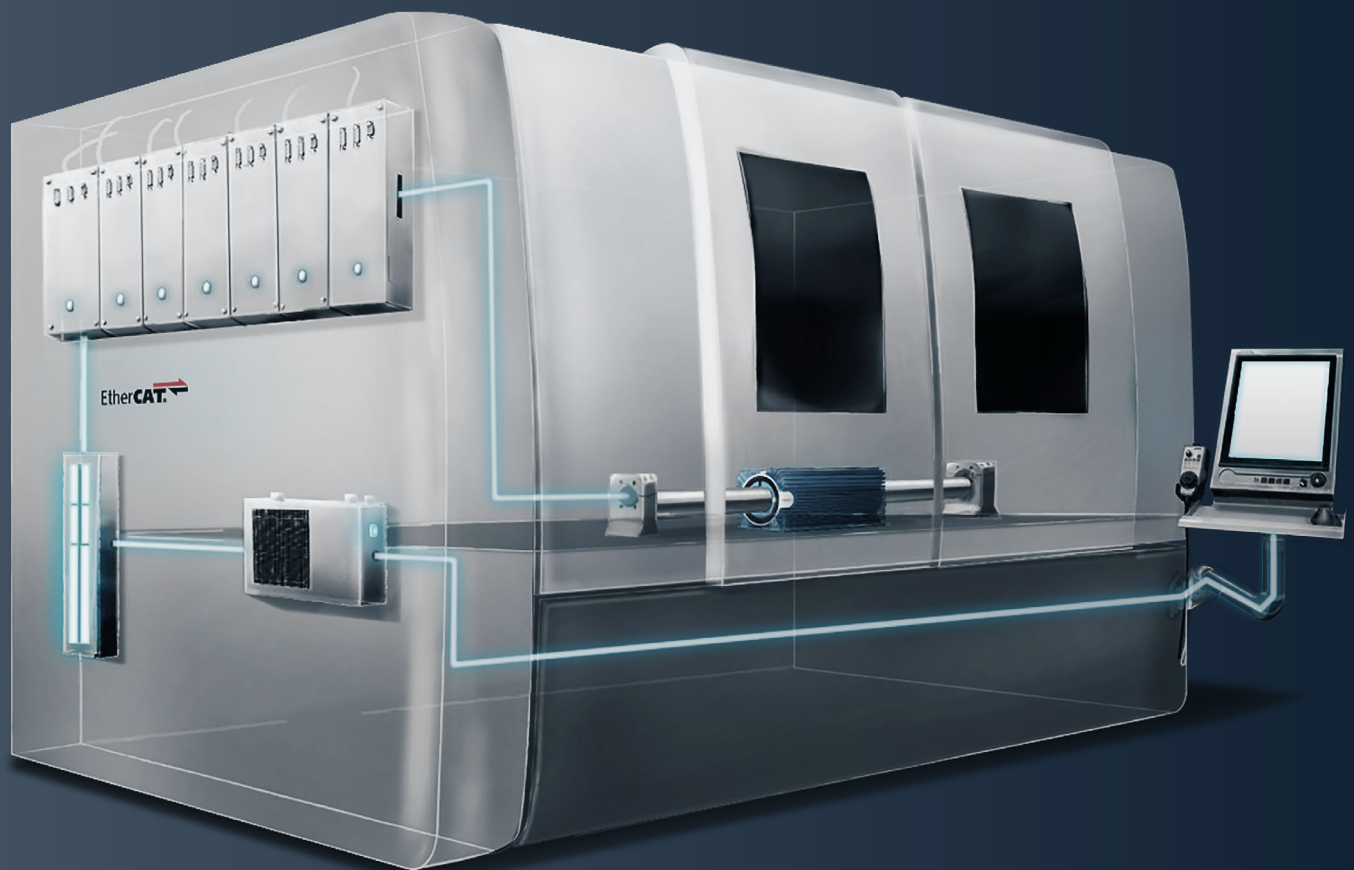


ANCA *motion*

Motion Control Solutions



GAMMA MOTOR CATALOGUE

ANCA MOTION SPECIALISES IN TAILORED MOTION CONTROL SOLUTIONS

At ANCA Motion we offer flexibility, reliability, innovation and precision - providing solutions that give our customers a competitive edge.

Our focus and passion is designing and manufacturing flexible control systems; specialising in high precision solutions for CNC machines. Our hardware and software is tailored to an OEM's exact requirements.

ANCA Motion provides continuous support and innovation throughout the life of the product, allowing us to deliver world-class products and services.

AC SERVO MOTORS - GAMMA MOTORS	4
PART NUMBER DESCRIPTION	48
BRAKE SPECIFICATIONS	48
MOTOR CONNECTORS	48
SOFTWARE	50
PRODUCT RANGE	52
APPLICATIONS	54
CUSTOMER SUPPORT	58

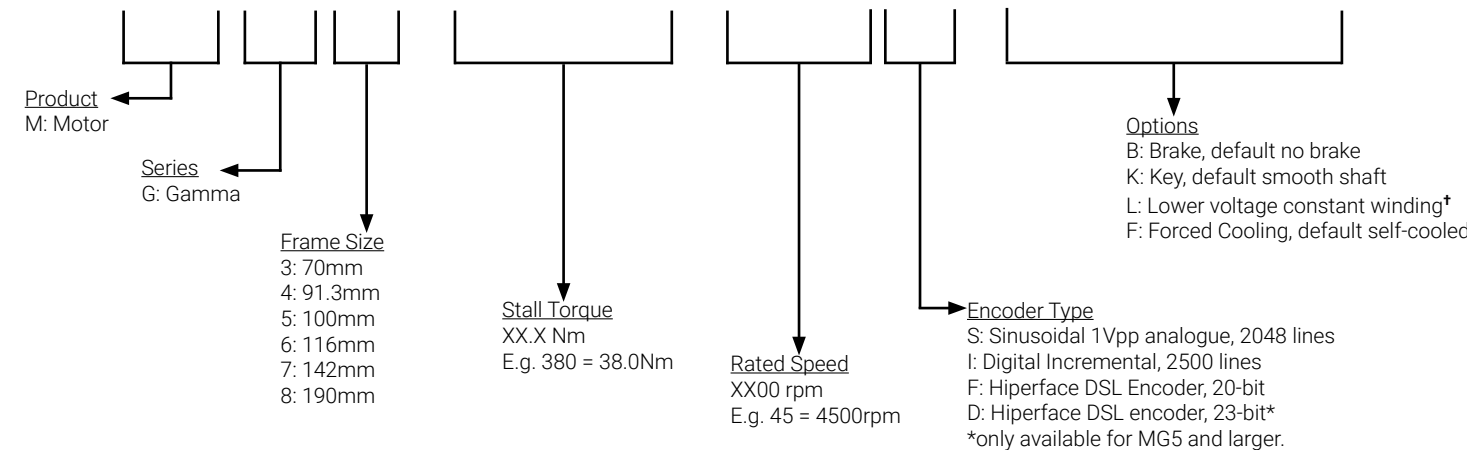
The Gamma series AC synchronous servomotors have a three-phase concentrated stator windings and permanent magnets on the rotor. The winding is designed for sinusoidal current and voltage. Models for use with 230V and 400V AC source voltage available.

High torque and high power is synonymous with the Gamma motor range and is achieved by improving escape of heat from the stator to the front flange and by optimized magnetic circuit.

The Gamma series can increase the ratio of torque to the dimensions of motor and expand usage of the motors to a wide array of applications.

Part Number Description

MG7-380-45S-XXXX



*Note that "-L" motors are presented with rated speed values and operation range graphs as per use with a 230Vac input supply. Note however that the insulation system in "-L" motors is the same as standard variants and is rated for use with 400Vac input. When operating a "-L" motor with a 400Vac supply the operating range envelope will extend to higher speeds than the 230Vac graphs presented in this catalogue.

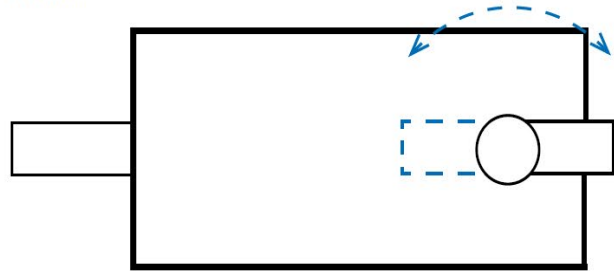
Brake Specifications

Motor Catalogue Number	Holding Torque (Nm)	Voltage (V)	Resistance (Ohm)	Electrical Power (W)	Current (A)	Additional Rotor Inertia (kg cm²)	Opening Time (ms)	Closing Time (ms)
MG3	3.2	24	53.2	10.8	0.45	0.38	60	10
MG4	3.5	24	53.2	10.8	0.45	0.38	60	10
MG5	8	24	29	19.9	0.83	0.69	55	38
MG6	17	24	30.8	18.7	0.78	1.8	75	25
MG7 (SHORT)	15	24	24	24	1	1.66	50	30
MG7 (LONG)	33	24	30	24	1	9.5	110	70
MG8	60	24	28.3	20.4	0.85	32	155	65

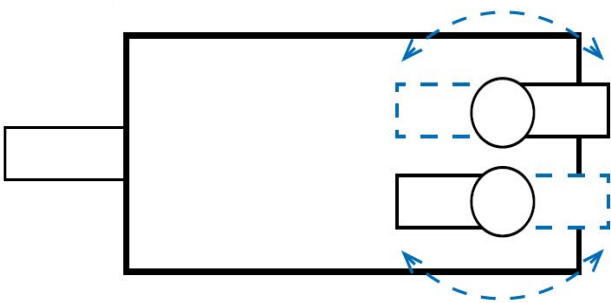
Motor Connectors

Adjustable right-angle swivel

Hiperface DSL single cable solution:



All other encoder types:



12 Pin Encoder

Pin	Sinusoidal 1Vpp Analogue Encoder	Digital Incremental Encoder
12	+5V	+5V
10	GND	GND
6	A-	A-
5	A+	A+
1	B-	B-
8	B+	B+
9	C-	-
7	C+	-
2	D-	-
11	D+	-
4	R-	Z-
3	R+	Z

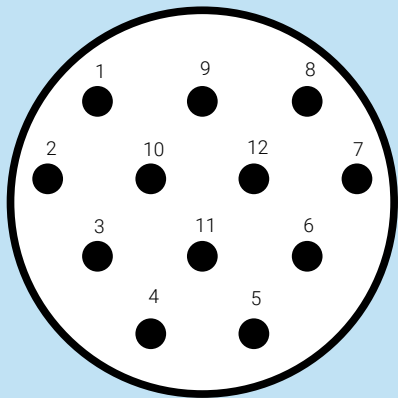
8 Pin Armature

Pin (M23 size)	Pin (M40 size)	Designator	Function
1	U	U	Motor U
4	V	V	Motor V
3	W	W	Motor
2	GROUND	E	Ground/Earth
A	1	T+	Temperature Sensor +
B	2	T-	Temperature Sensor -
C	+	Br+	Brake +
D	-	Br-	Brake -

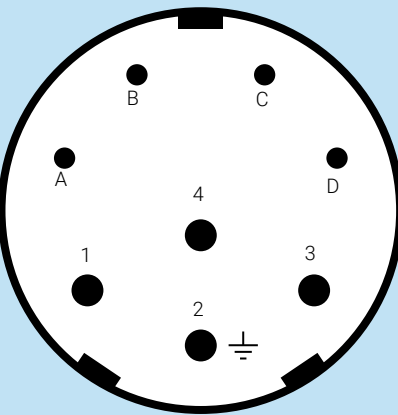
8 Pin Combined Power/Hiperface DSL signal

Pin (M23 size)	Pin (M40 size)	Designator	Function
1	U	U	Motor U
4	V	V	Motor V
3	W	W	Motor W
2	GROUND	E	Ground/Earth
A	1	+Us/DSL+	7-12V supply and signal
B	2	GND/DSL-	Ground
C	+	Br+	Brake +
D	-	Br-	Brake -

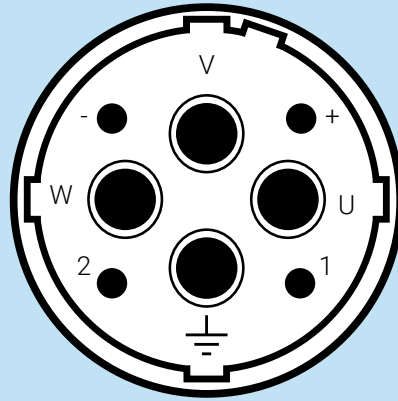
M23



M23



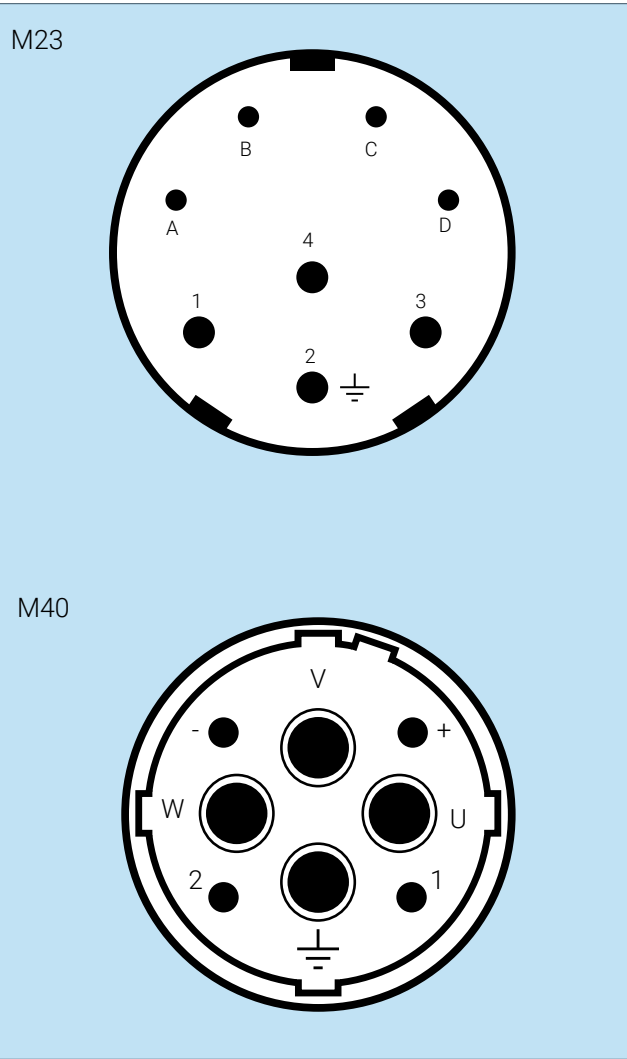
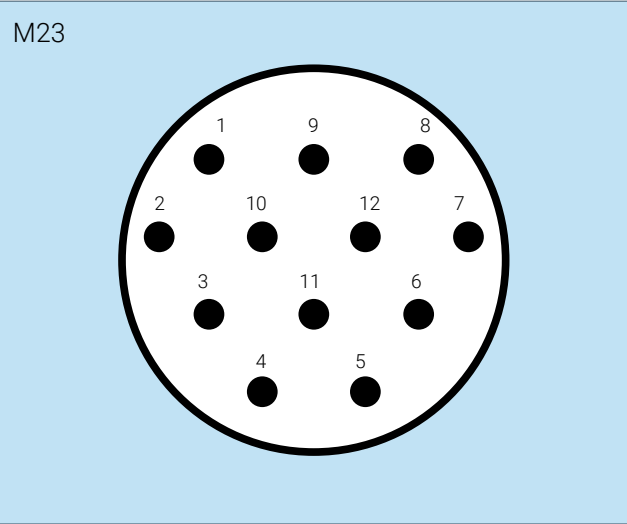
M40



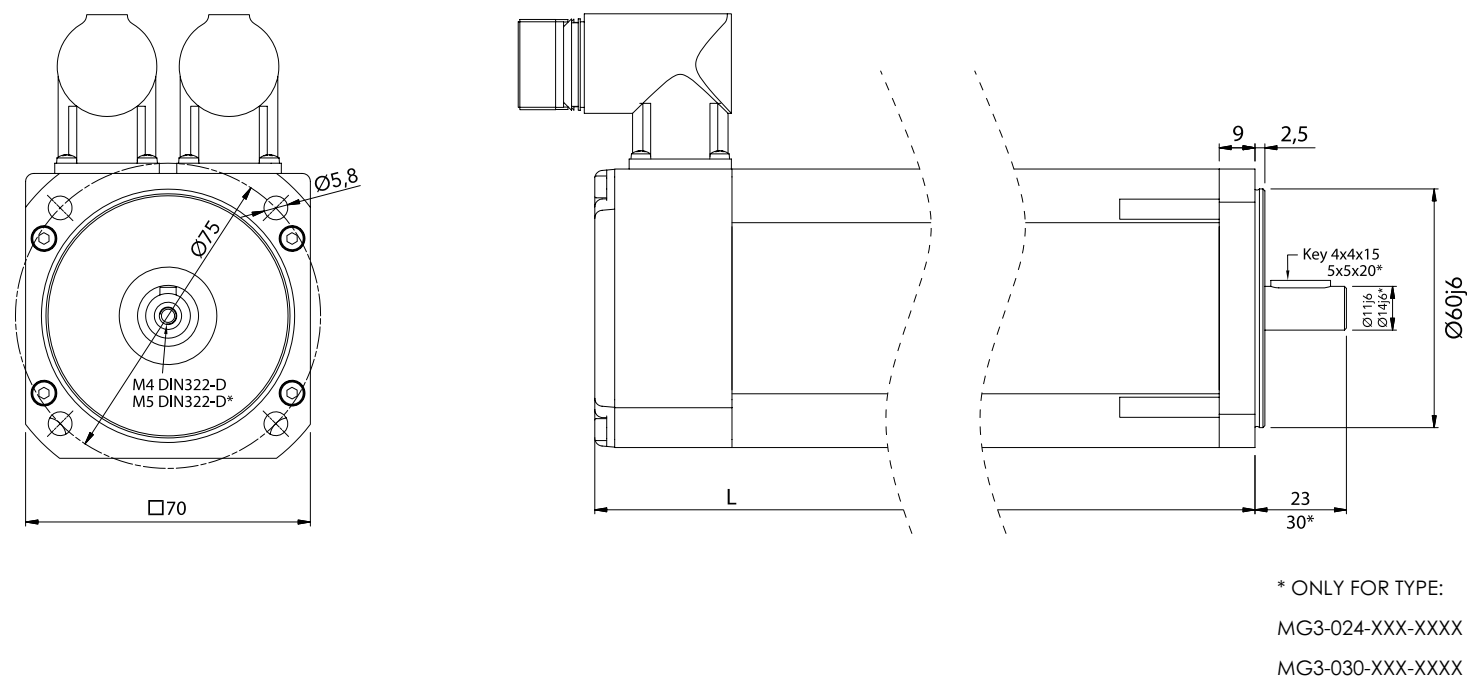
Motor Connector Type

Motor Frame Size	8 Pin Armature	Connector size
MG2	400V	M23
MG3	230V	M23
	400V	M23
MG4	230V	M23
	400V	M23
MG5	230V	M23
	400V	M23
MG6	400V	M23
MG7 (SHORT)	400V	M23
MG7 (LONG)	400V	M23/M40 as specified
MG8	400V	M23/M40 as specified

The standard connector for Gamma motors is M23 with a 23mm diameter. Note that some larger motors have a larger M40 connector with a 40mm diameter fitted in order to accommodate a higher current rating.



MG3 - 230V



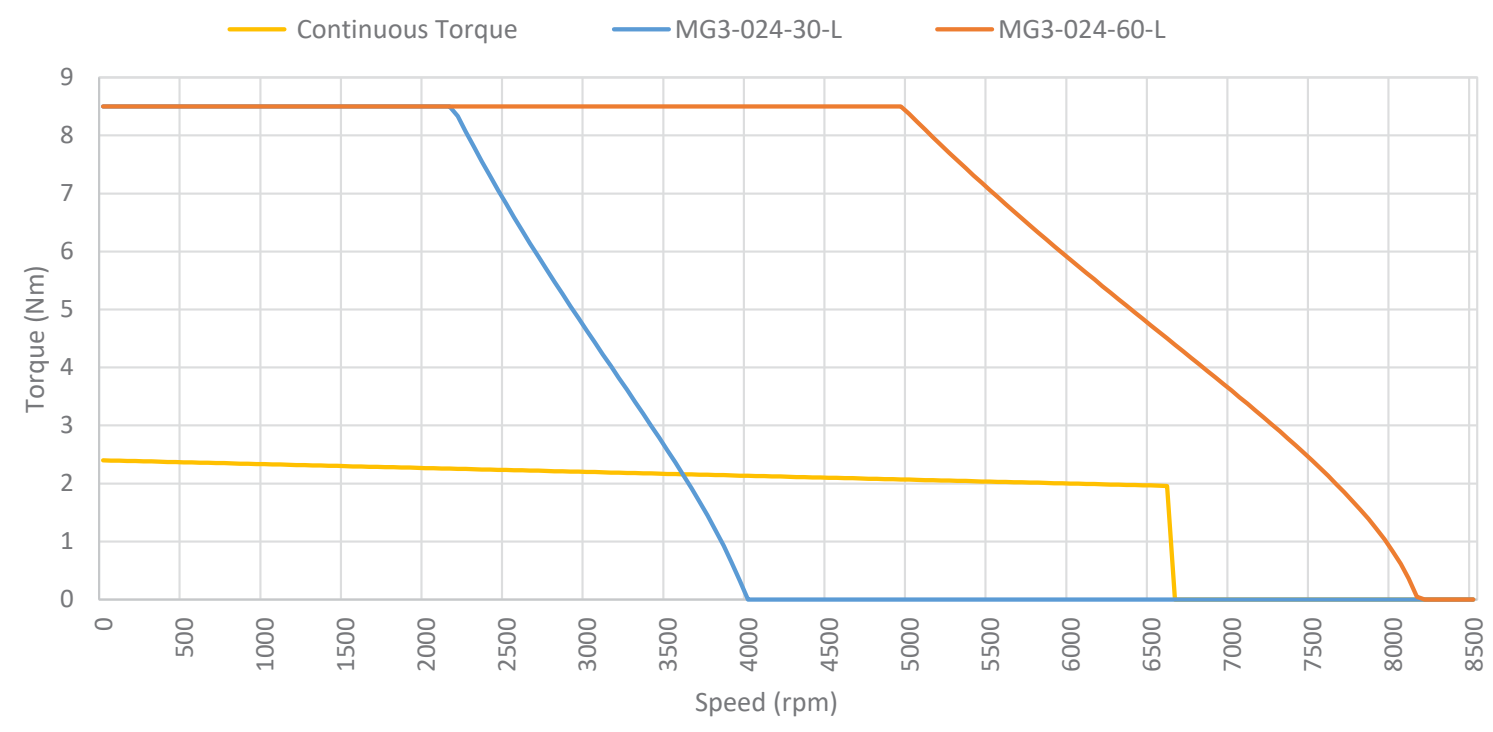
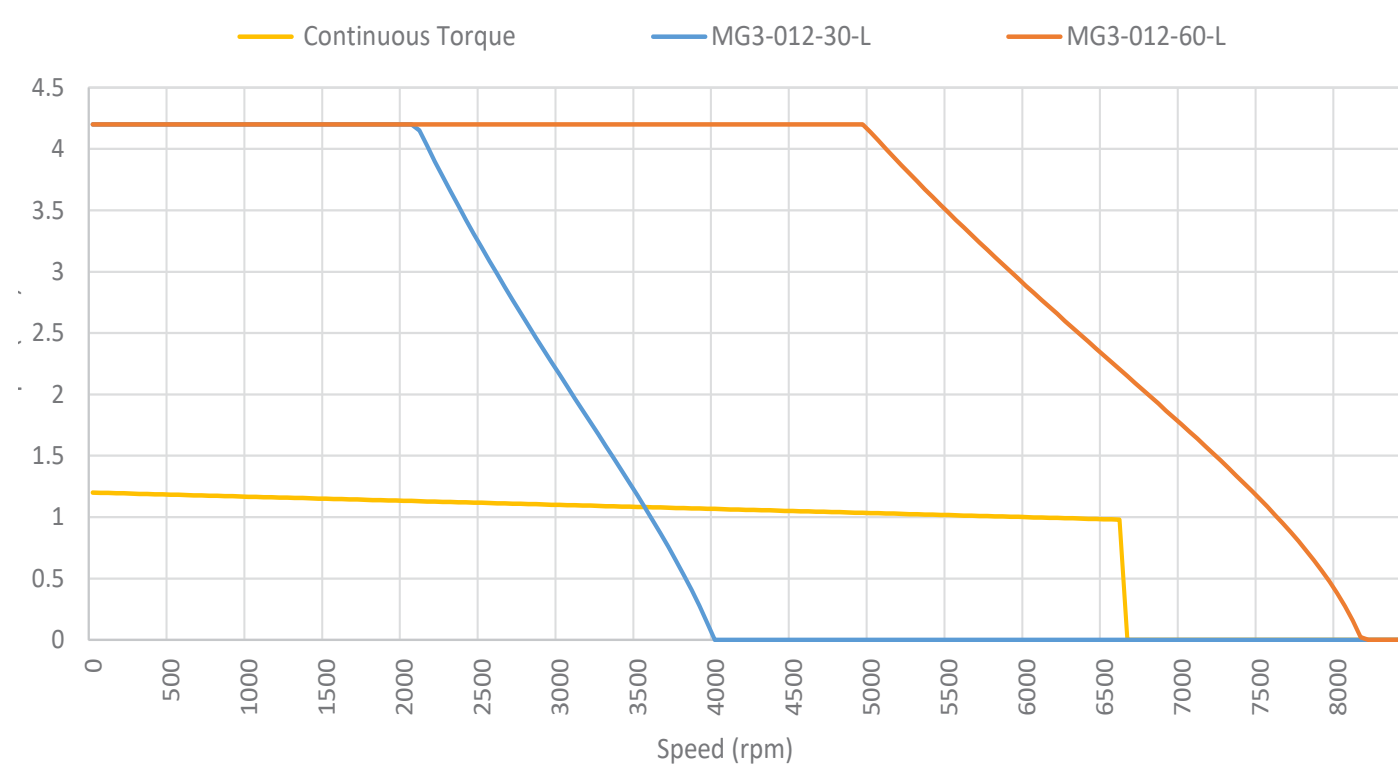
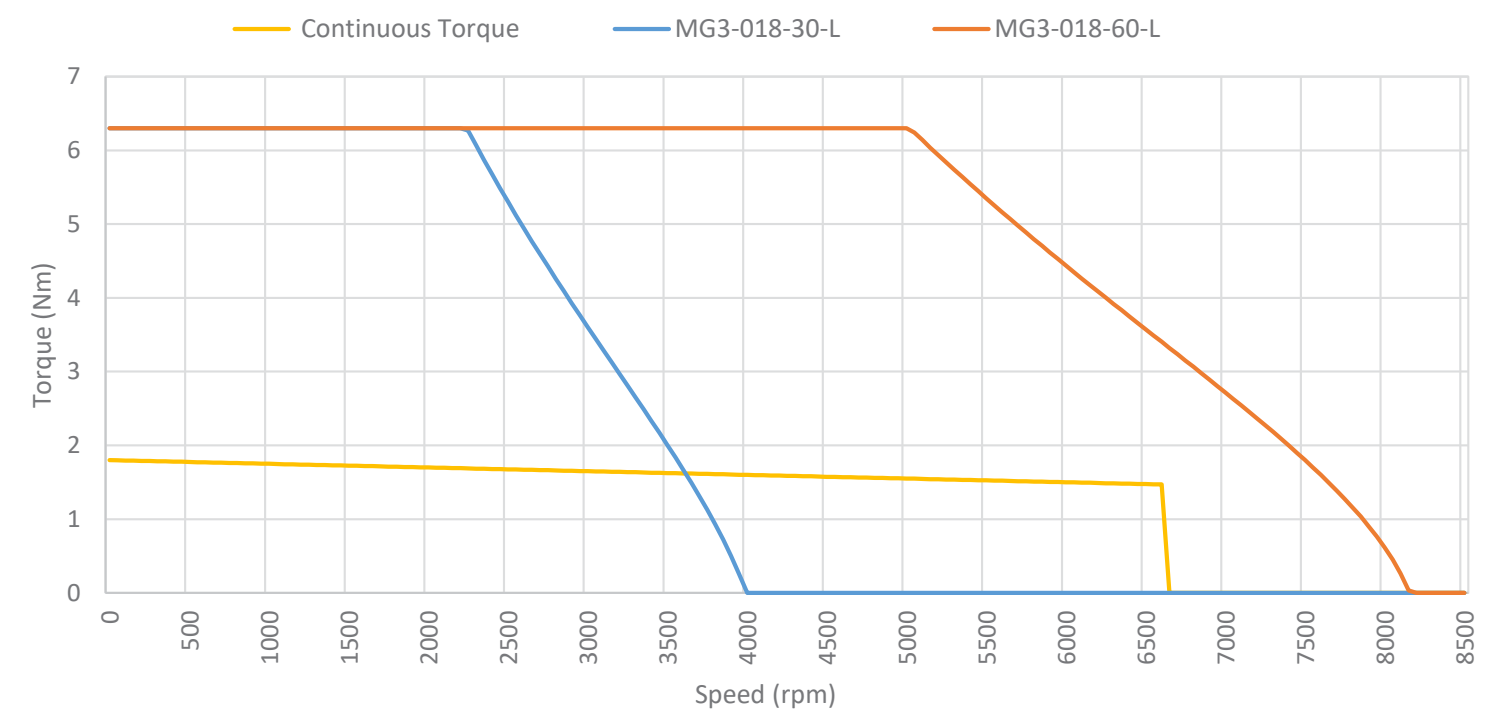
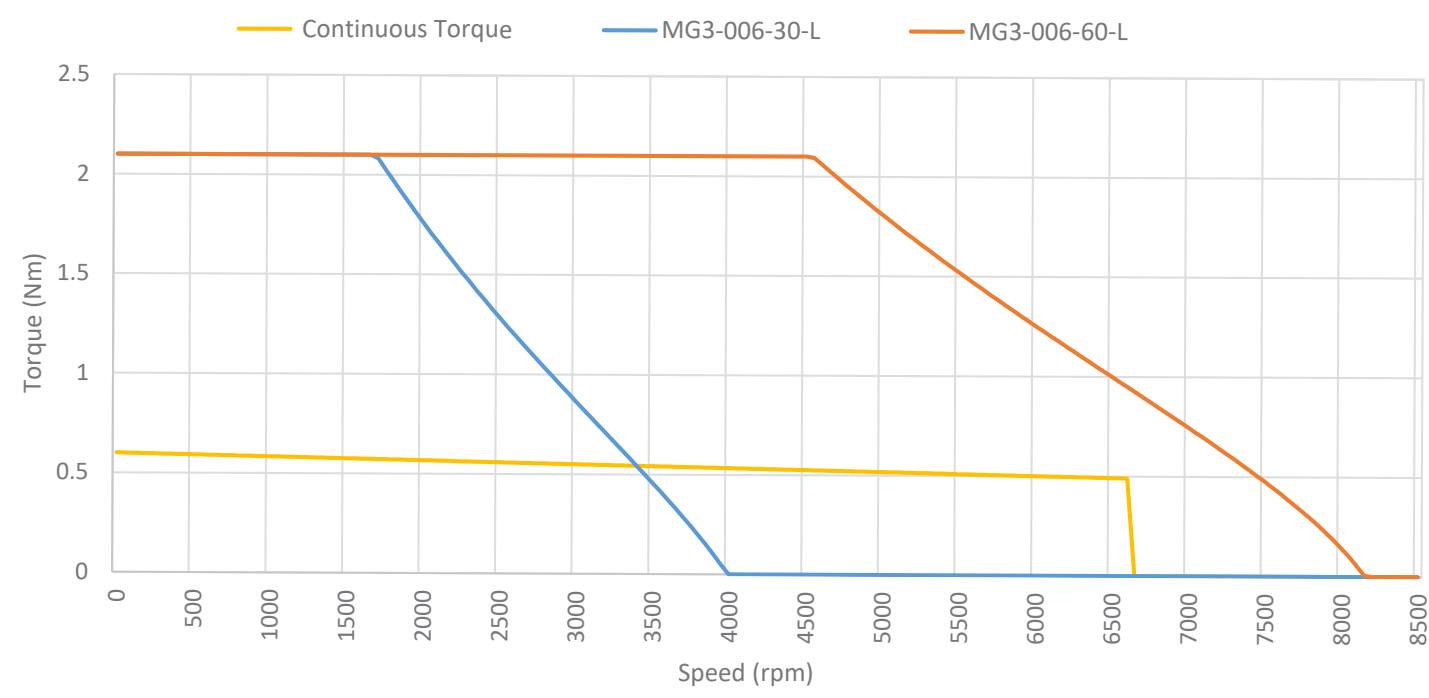
Product Range

Motor Catalogue Number	Stall Torque (Nm)	Rated Torque (Nm)	Rated Speed (rpm)	Rated Power (W)	Torque Constant (Nm/Arms)	Voltage Constant (Vrms/krpm)	Resistance L-L @ 20°C (Ω)	Inductance L-L (mH)	Maximum Continuous Speed (rpm)	Rated Current (Arms)
MG3-006-30-L	0.60	0.55	3000	172.80	0.85	51.31	35.00	48.00	6600	0.40
MG3-006-60-L	0.60	0.50	6000	314.20	0.42	25.13	8.80	12.00	6600	0.70
MG3-012-30-L	1.20	1.10	3000	345.60	0.85	51.31	12.10	23.20	6600	0.80
MG3-012-60-L	1.20	1.00	6000	628.00	0.42	25.13	3.00	5.80	6600	1.40
MG3-018-30-L	1.80	1.65	3000	518.40	0.85	51.31	6.40	15.50	6600	1.10
MG3-018-60-L	1.80	1.50	6000	942.50	0.42	25.13	1.75	3.90	6600	2.10
MG3-024-30-L	2.40	2.20	3000	691.20	0.85	51.31	5.00	12.00	6600	1.50
MG3-024-60-L	2.40	2.00	6000	1225.00	0.42	25.13	1.25	3.00	6600	2.70
MG3-030-30-L	3.00	2.70	3000	848.00	0.85	51.31	3.80	9.30	6600	1.90

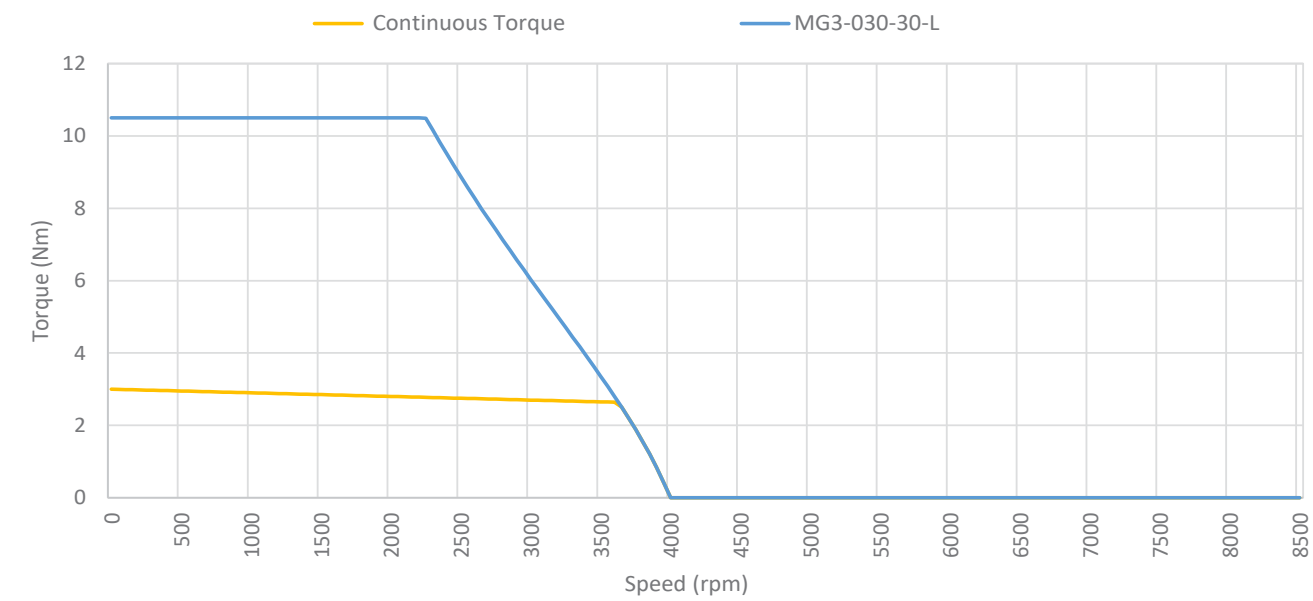
Stall Current (Arms)	Peak Torque (Nm)	Thermal Time Constant (min)	Moment Of Inertia (10 ⁻⁴ kg m ²)	Number Of Poles	Length With Sinusoidal 1Vpp Encoder (mm)	Max length with Digital or HDLSL* Encoder (mm)	Weight Without Brake (kg)	Weight With Brake (kg)	Brake Additional Length (mm)
0.70	2.10	30.00	0.25	8	139.5	123.00	2.00	2.60	35.00
1.40	2.10	30.00	0.25	8	139.5	123.00	2.00	2.60	35.00
1.40	4.20	32.00	0.44	8	154.5	138.00	2.20	2.80	35.00
2.90	4.20	32.00	0.44	8	154.5	138.00	2.20	2.80	35.00
2.10	6.30	34.00	0.63	8	169.5	153.00	2.60	3.20	35.00
4.30	6.30	34.00	0.63	8	169.5	153.00	2.60	3.20	35.00
2.80	8.50	36.00	1.05	8	196.5	180.00	3.60	4.20	31.00
5.80	8.50	36.00	1.05	8	196.5	180.00	3.60	4.20	31.00
3.50	10.50	38.00	1.22	8	211.5	195.00	3.80	4.40	31.00

*HDLSL- Hiperface DSL

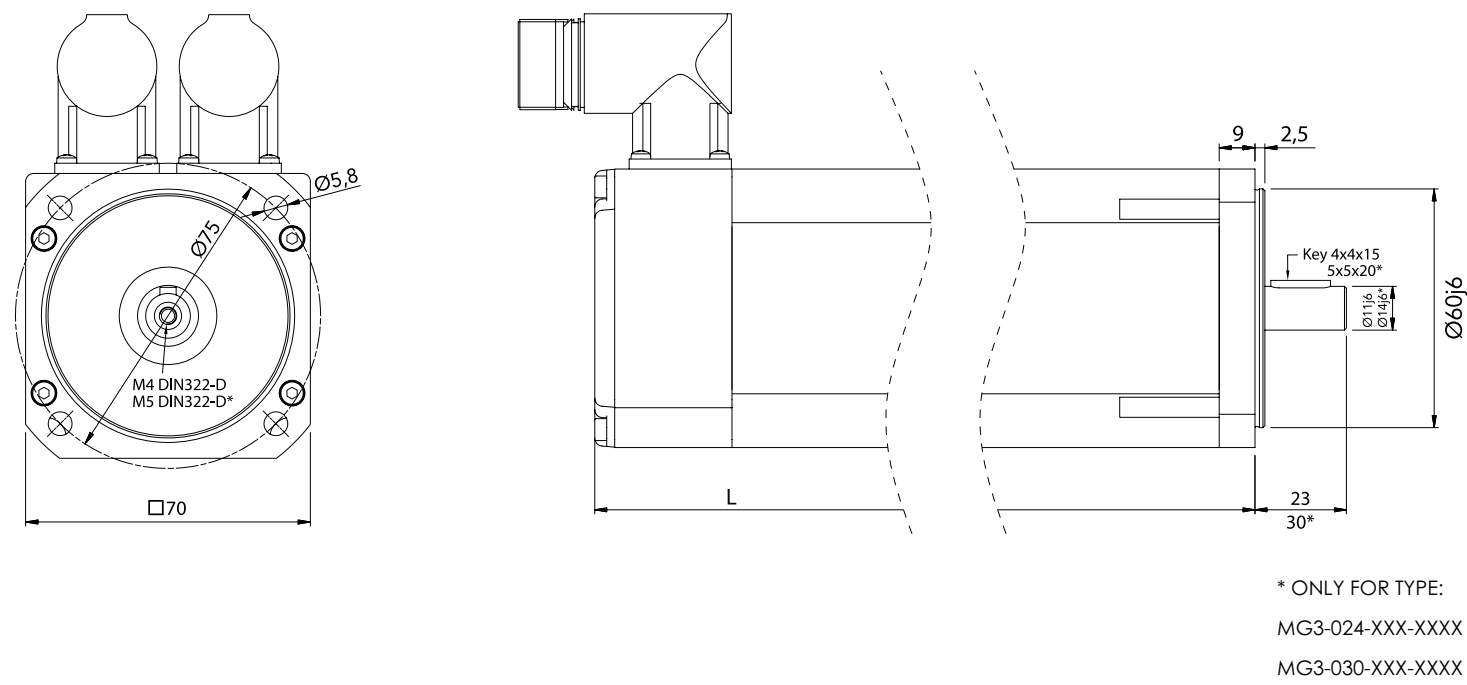
MG3 - 230V



MG3 - 230V



MG3 - 400V



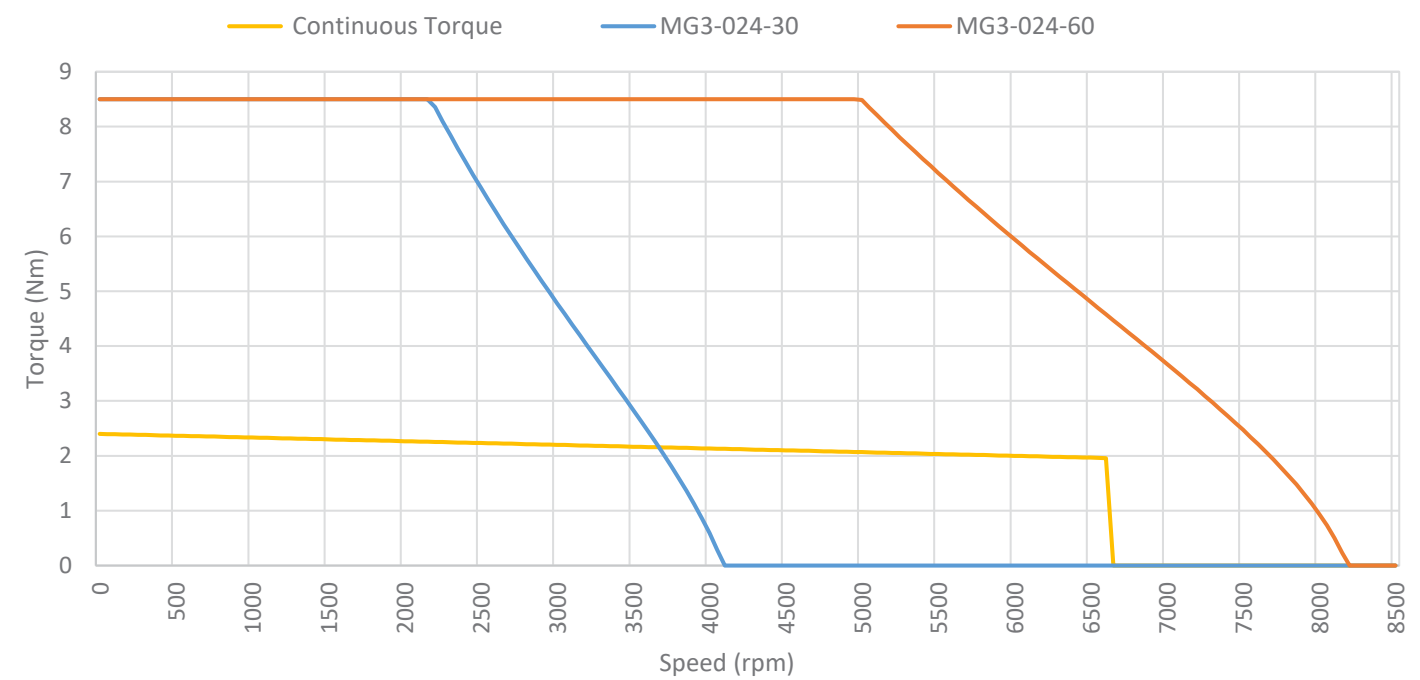
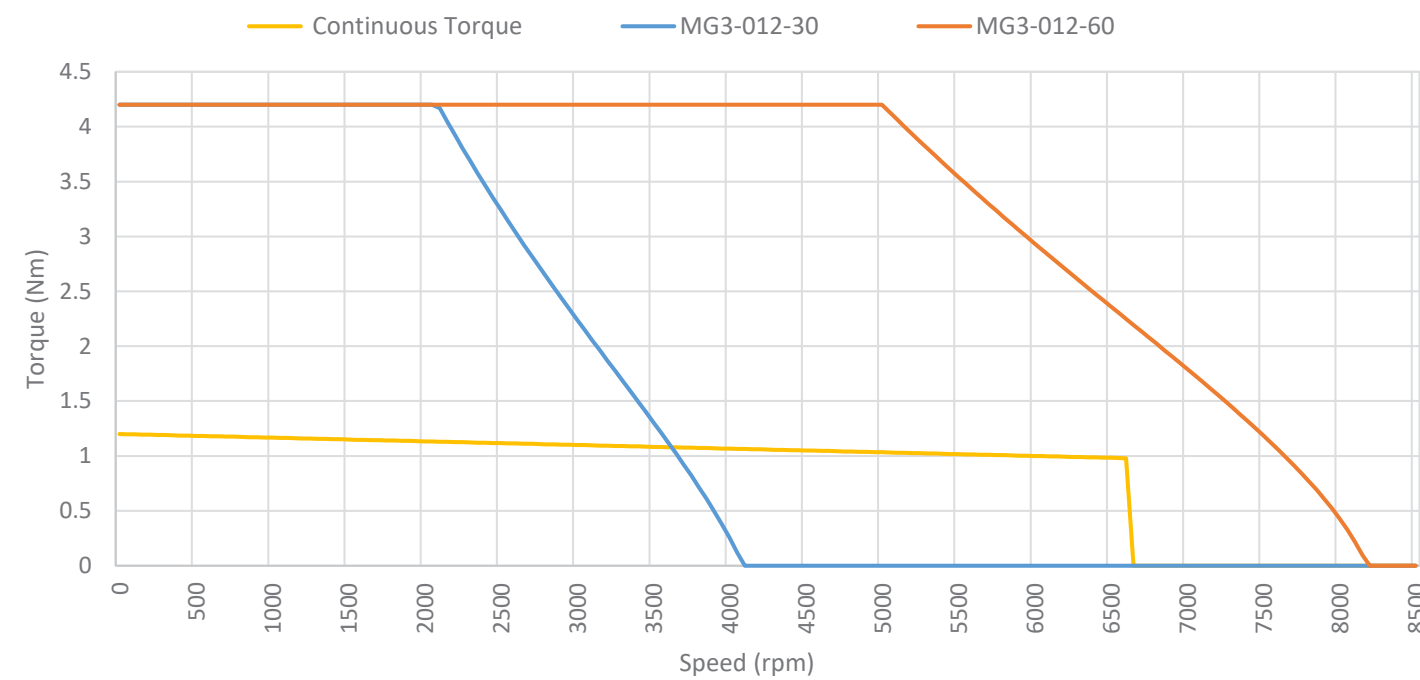
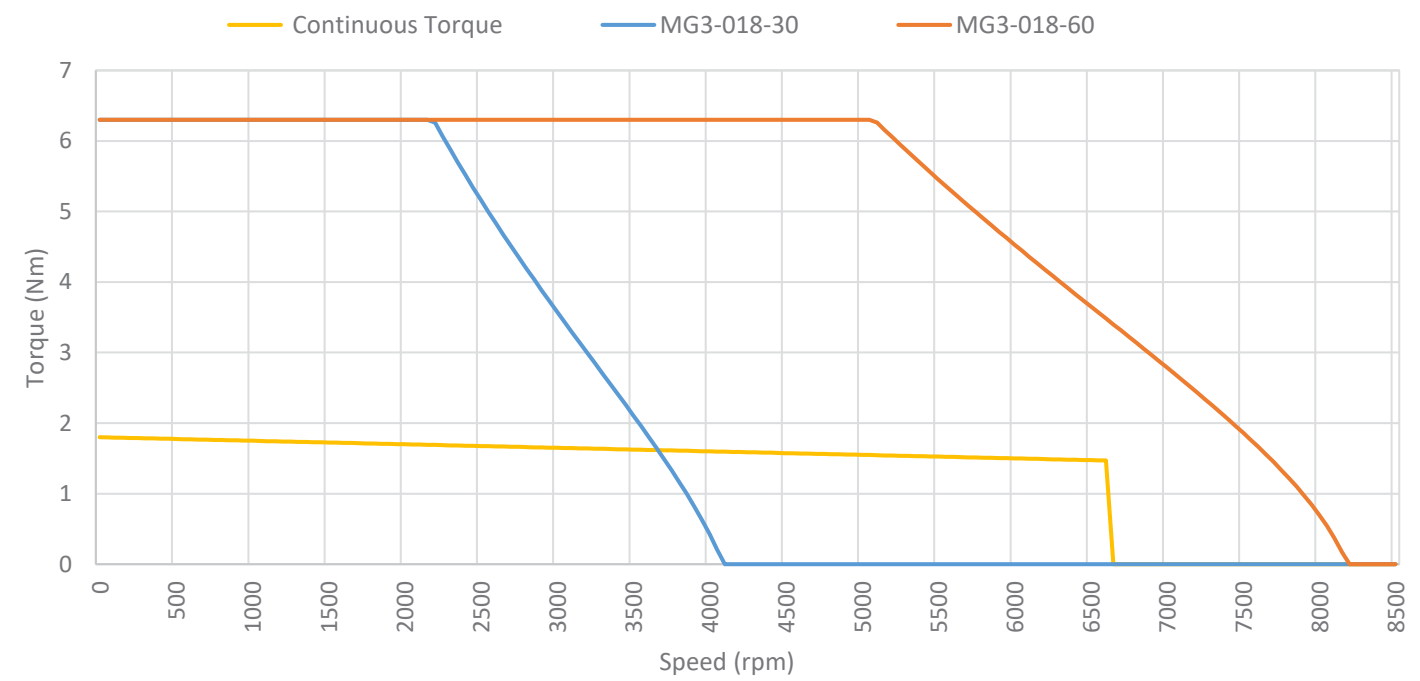
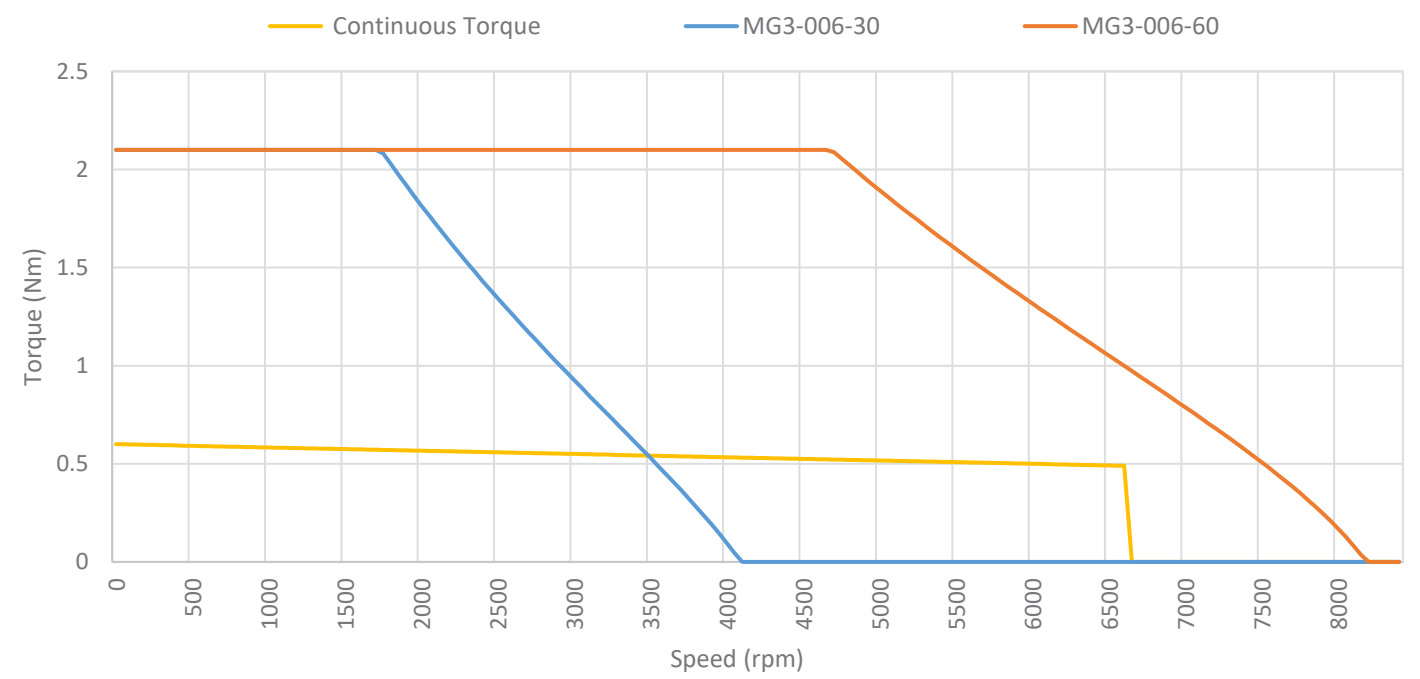
Product Range

Motor Catalogue Number	Stall Torque (Nm)	Rated Torque (Nm)	Rated Speed (rpm)	Rated Power (W)	Torque Constant (Nm/Arms)	Voltage Constant (Vrms/krpm)	Resistance L-L @ 20°C (Ω)	Inductance L-L (mH)	Maximum Continuous Speed (rpm)	Rated Current (Arms)
MG3-006-30	0.60	0.55	3000	172.8	1.45	87.96	105.0	144.0	6600	0.4
MG3-006-60	0.60	0.5	6000	314.2	0.73	43.98	26.3	36.1	6600	0.7
MG3-012-30	1.20	1.10	3000	345.6	1.45	87.96	36.2	69.6	6600	0.8
MG3-012-60	1.20	1.0	6000	628.0	0.73	43.98	9.04	17.4	6600	1.4
MG3-018-30	1.80	1.65	3000	518.4	1.45	87.96	21.0	46.4	6600	1.1
MG3-018-60	1.80	1.5	6000	942.5	0.73	43.98	5.25	11.6	6600	2.1
MG3-024-30	2.40	2.20	3000	691.2	1.45	87.96	15.0	36.0	6600	1.5
MG3-024-60	2.40	2.0	6000	1225	0.73	43.98	3.75	9.0	6600	2.7
MG3-030-30	3.00	2.70	3000	848	1.45	87.96	11.1	28.0	6600	1.9
MG3-030-60	3.00	2.4	6000	1508	0.73	43.98	2.77	7.0	6600	3.3

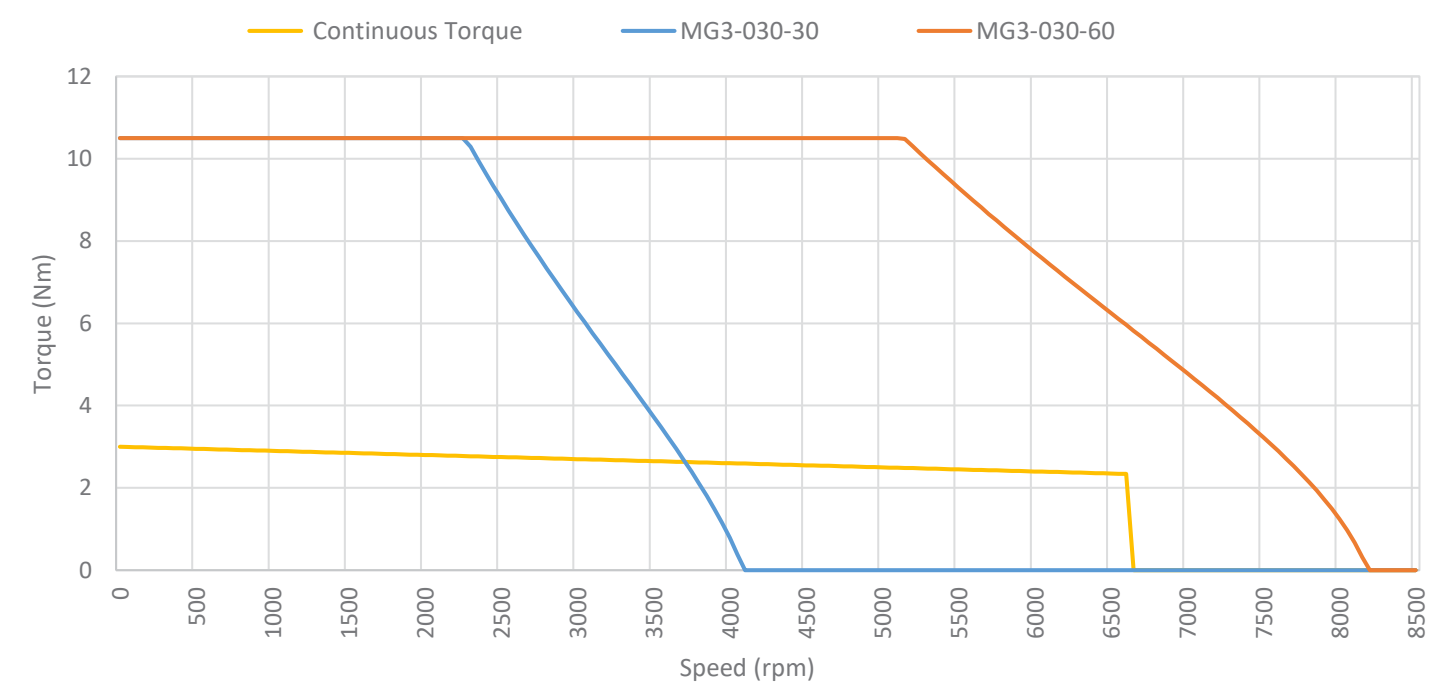
Stall Current (Arms)	Peak Torque (Nm)	Thermal Time Constant (min)	Moment Of Inertia (10 ⁻⁴ kg m ²)	Number Of Poles	Length With Sinusoidal 1Vpp Encoder (mm)	Max length with Digital or HDSSL* Encoder (mm)	Weight Without Brake (kg)	Weight With Brake (kg)	Brake Additional Length (mm)
0.4	2.1	30	0.25	8	139.5	123.00	2.00	2.60	35.00
0.8	2.1	30	0.25	8	139.5	123.00	2.00	2.60	35.00
0.8	4.2	32	0.44	8	154.5	138.00	2.20	2.80	35.00
1.6	4.2	32	0.44	8	154.5	138.00	2.20	2.80	35.00
1.2	6.3	34	0.63	8	169.5	153.00	2.60	3.20	35.00
2.5	6.3	34	0.63	8	169.5	153.00	2.60	3.20	35.00
1.7	8.5	36	1.05	8	196.5	180.00	3.60	4.20	31.00
3.3	8.5	36	1.05	8	196.5	180.00	3.60	4.20	31.00
2.1	10.5	38	1.22	8	211.5	195.00	3.80	4.40	31.00
4.1	10.5	38	1.22	8	211.5	195.00	3.80	4.40	31.00

*HDSSL- Hiperface DSL

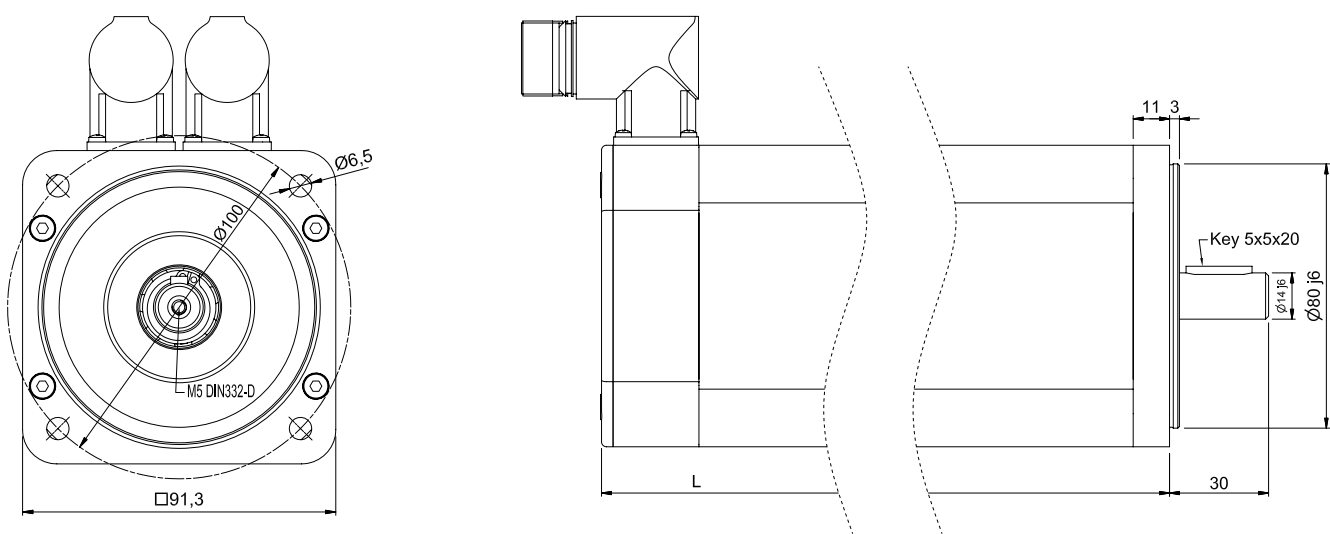
MG3 - 400V



MG3 - 400V



MG4 - 230V



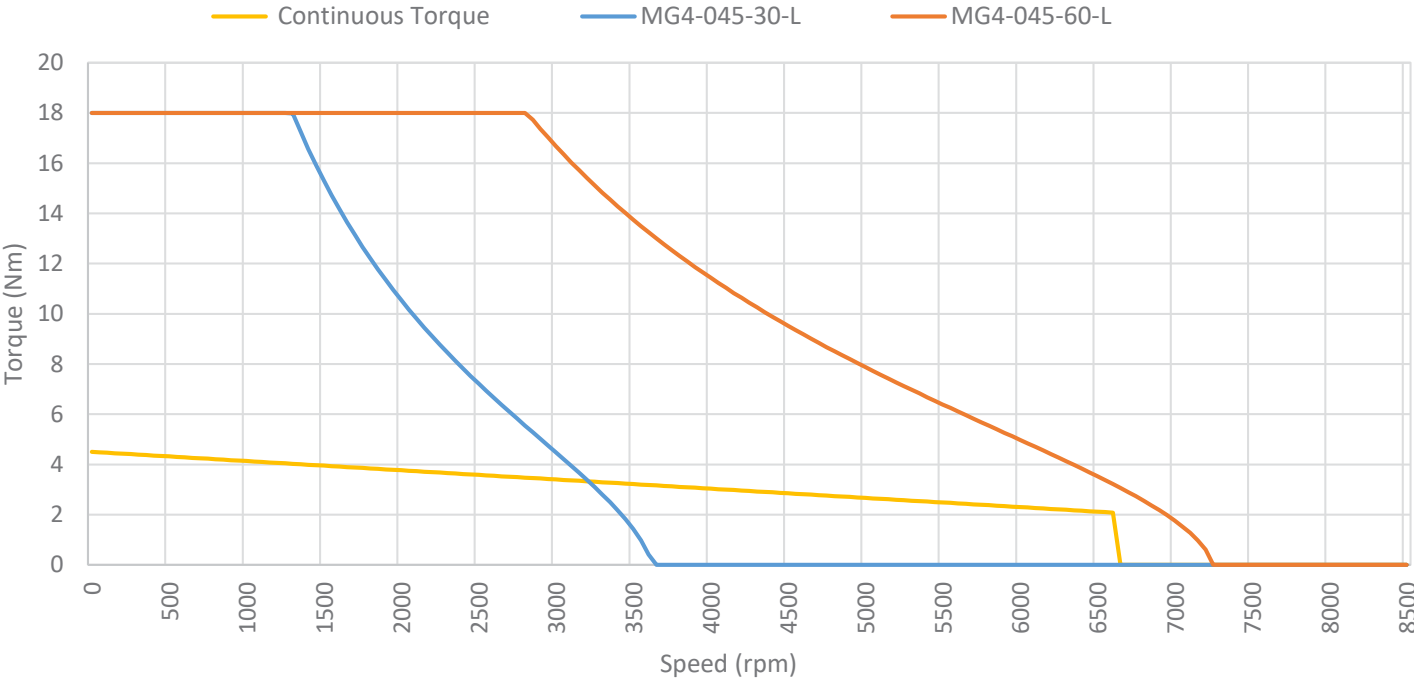
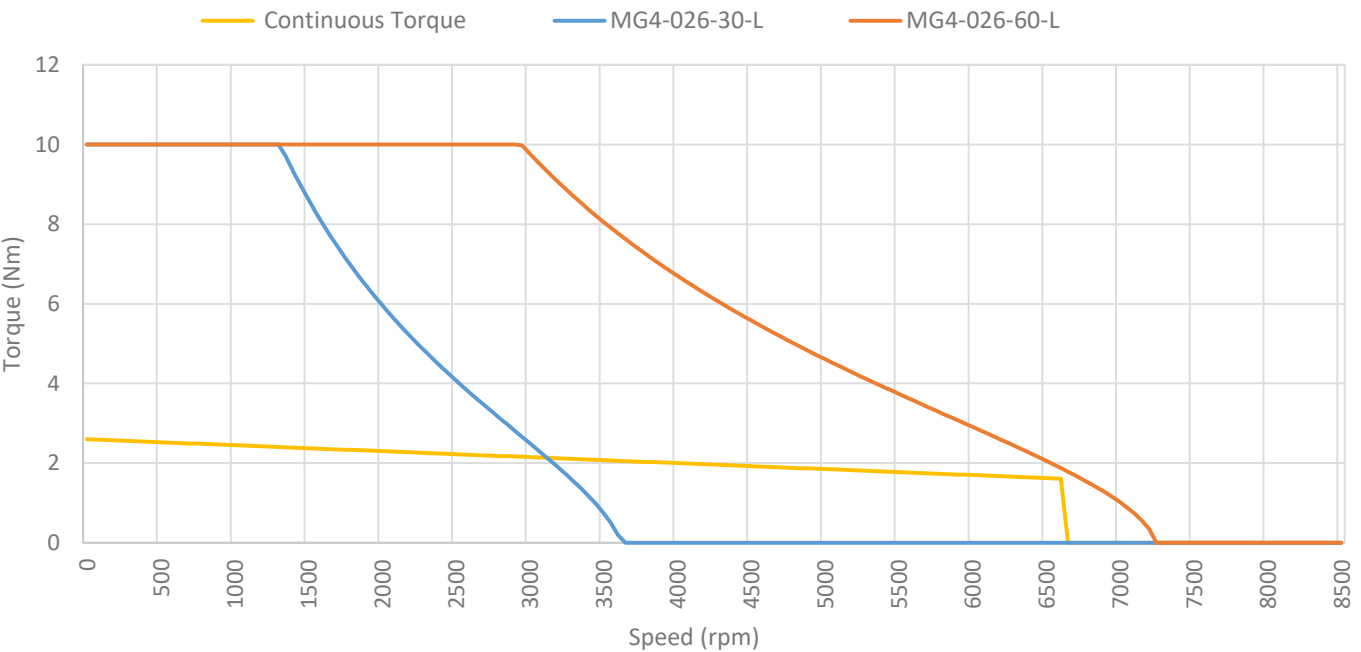
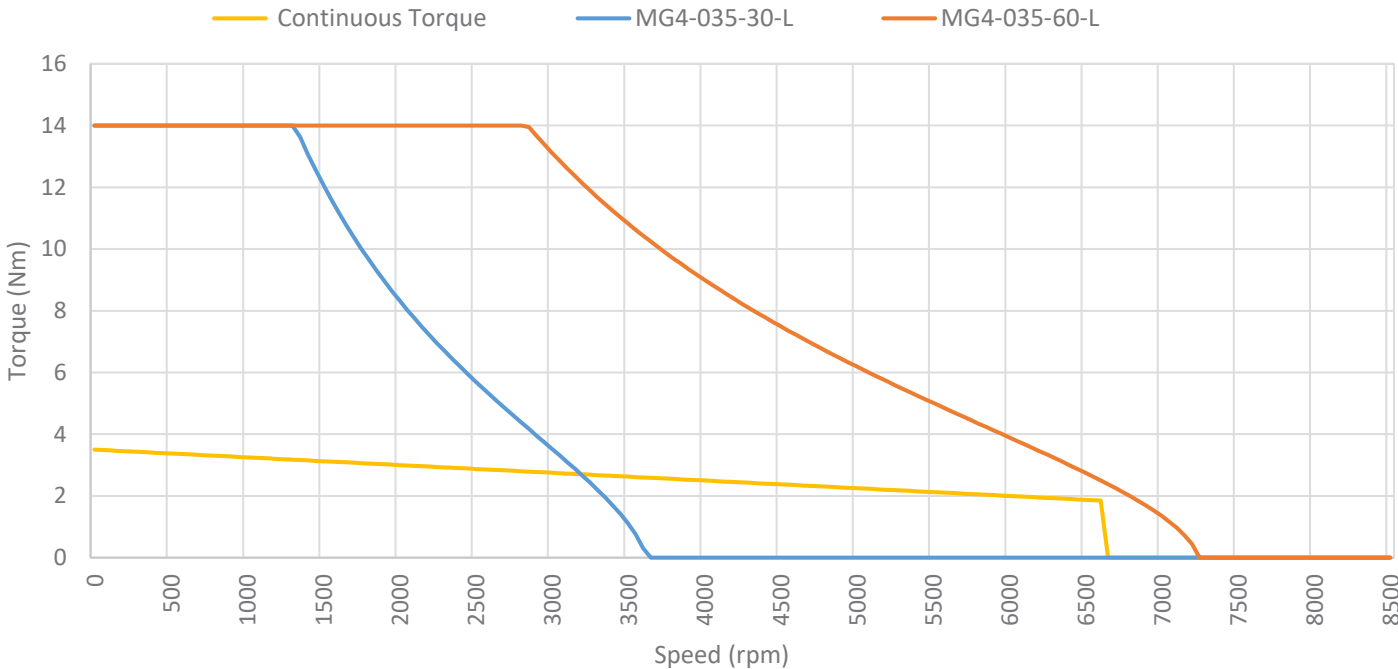
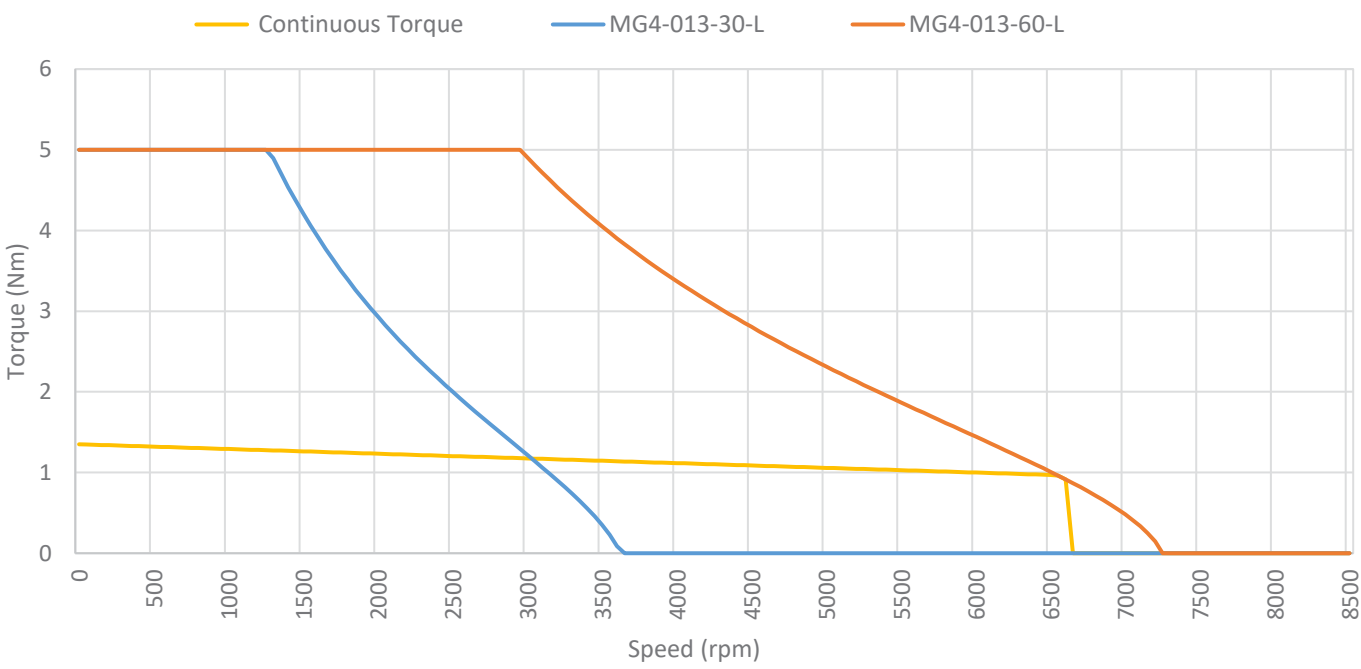
Product Range

Motor Catalogue Number	Stall Torque (Nm)	Rated Torque (Nm)	Rated Speed (rpm)	Rated Power (KW)	Torque Constant (Nm/Arms)	Voltage Constant (Vrms/krpm)	Resistance L-L @ 20°C (Ω)	Inductance L-L (mH)	Maximum Continuous Speed (rpm)	Rated Current (Arms)
MG4-013-30-L	1.35	1.30	3000	0.40	0.94	56.55	12.40	45.00	6600	1.40
MG4-013-60-L	1.35	1.00	6000	0.60	0.47	28.27	3.10	11.20	6600	2.10
MG4-026-30-L	2.60	2.50	3000	0.80	0.94	56.55	5.20	24.20	6600	2.70
MG4-026-60-L	2.60	1.70	6000	1.10	0.47	28.27	1.10	6.10	6600	3.60
MG4-035-30-L	3.50	3.10	3000	1.00	0.94	56.55	3.20	18.00	6600	3.30
MG4-035-60-L	3.50	2.00	6000	1.30	0.47	28.27	0.90	4.50	6600	4.30
MG4-045-30-L	4.50	3.90	3000	1.20	0.94	56.55	2.40	14.40	6600	4.10
MG4-045-60-L	4.50	2.30	6000	1.40	0.47	28.27	0.60	3.60	6600	4.90

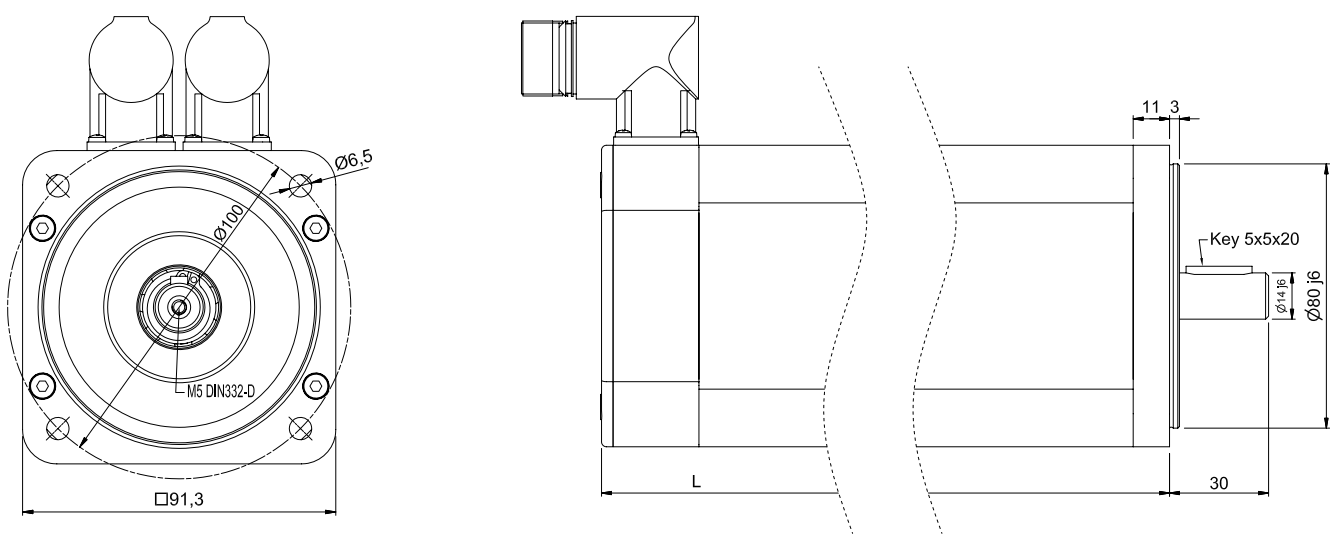
Stall Current (Arms)	Peak Torque (Nm)	Thermal Time Constant (min)	Moment Of Inertia (10 ⁻⁴ kg m ²)	Number Of Poles	Length With Sinusoidal 1Vpp Encoder (mm)	Max length with Digital or HDSL* Encoder (mm)	Weight Without Brake (kg)	Weight With Brake (kg)	Brake Additional Length (mm)
1.40	5.00	31.00	0.47	8	152.00	137.00	3.50	4.10	35.00
2.90	5.00	31.00	0.47	8	152.00	137.00	3.50	4.10	35.00
2.80	10.00	34.00	0.88	8	174.00	159.00	4.40	5.00	35.00
5.50	10.00	34.00	0.88	8	174.00	159.00	4.40	5.00	35.00
3.70	14.00	36.00	1.09	8	199.00	174.00	5.00	5.60	35.00
7.40	14.00	36.00	1.09	8	199.00	174.00	5.00	5.60	35.00
4.80	18.00	39.00	1.40	8	219.00	194.00	5.80	6.40	35.00
9.60	18.00	39.00	1.40	8	219.00	194.00	5.80	6.40	35.00

*HDSL- Hiperface DSL

MG4 - 230V



MG4 - 400V



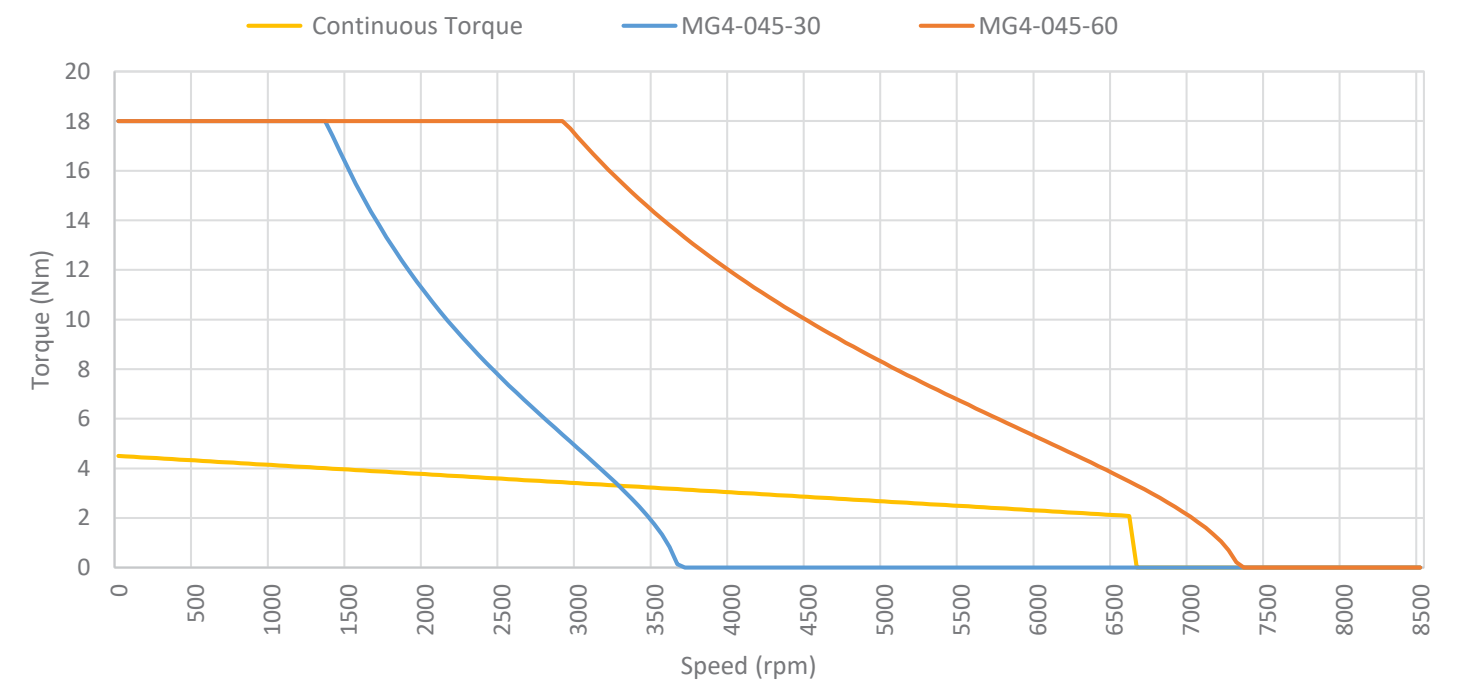
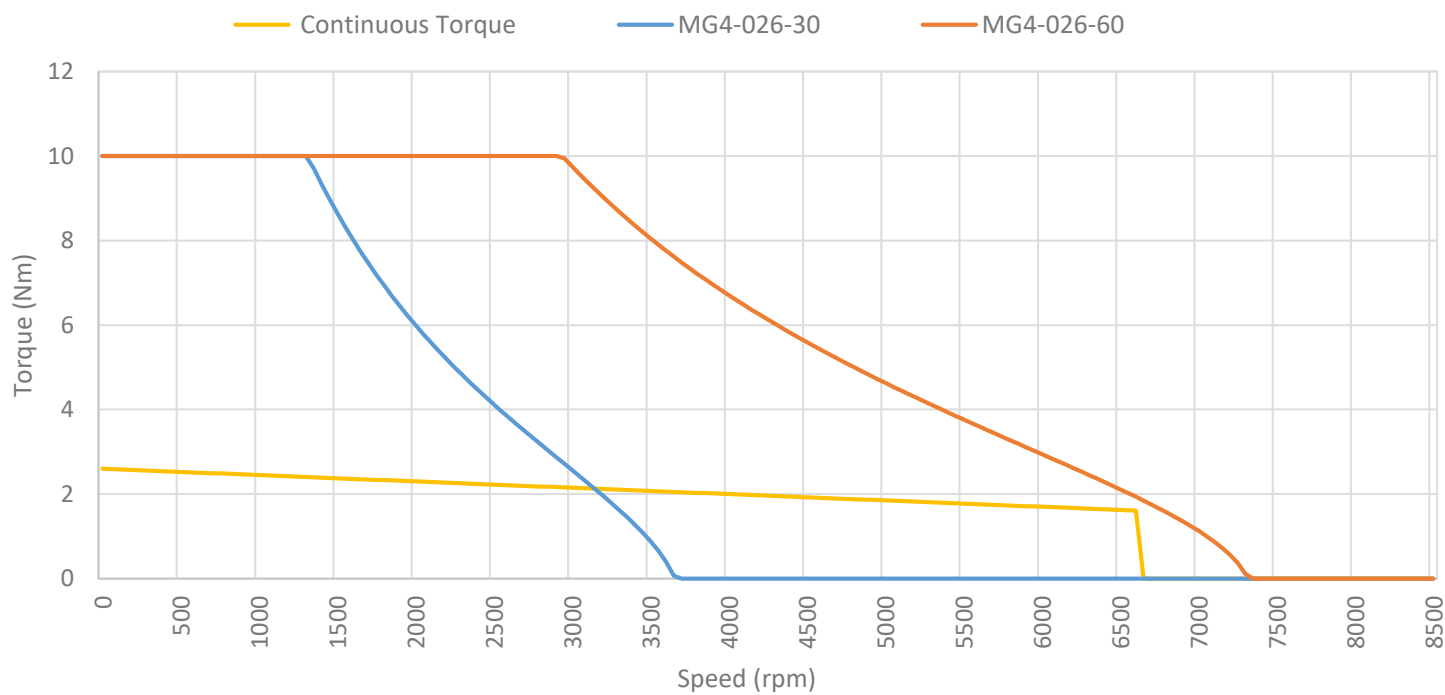
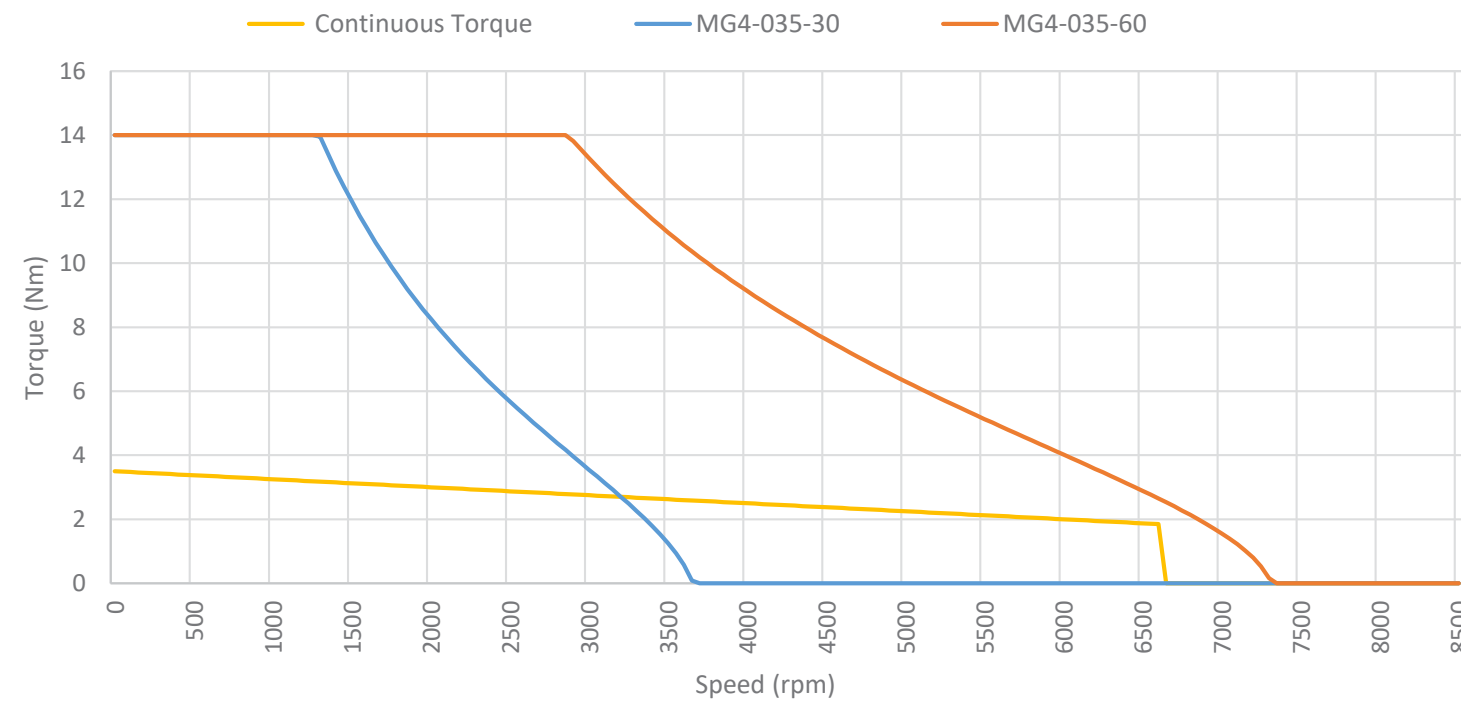
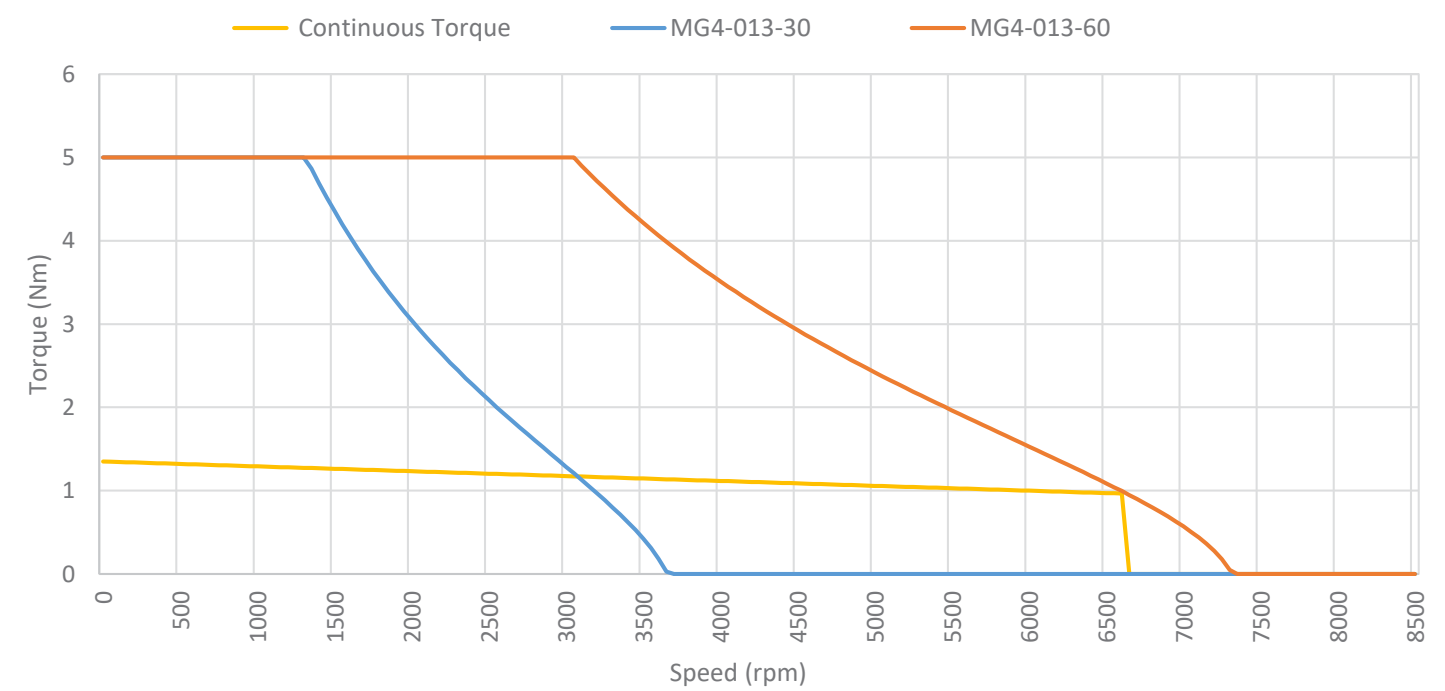
Product Range

Motor Catalogue Number	Stall Torque (Nm)	Rated Torque (Nm)	Rated Speed (rpm)	Rated Power (KW)	Torque Constant (Nm/Arms)	Voltage Constant (Vrms/krpm)	Resistance L-L @ 20°C (Ω)	Inductance L-L (mH)	Maximum Continuous Speed (rpm)	Rated Current (Arms)
MG4-013-30	1.35	1.30	3000	0.40	1.63	98.44	37.40	137.00	6600	0.80
MG4-013-60	1.35	1.00	6000	0.60	0.81	49.22	9.40	33.80	6600	1.20
MG4-026-30	2.60	2.50	3000	0.80	1.63	98.44	15.90	73.70	6600	1.50
MG4-026-60	2.60	1.70	6000	1.10	0.81	49.22	4.00	18.20	6600	2.10
MG4-035-30	3.50	3.10	3000	1.00	1.63	98.44	10.70	54.70	6600	1.90
MG4-035-60	3.50	2.00	6000	1.30	0.81	49.22	2.70	13.50	6600	2.50
MG4-045-30	4.50	3.90	3000	1.20	1.63	98.44	8.00	43.70	6600	2.40
MG4-045-60	4.50	2.30	6000	1.40	0.81	49.22	2.00	10.80	6600	2.80

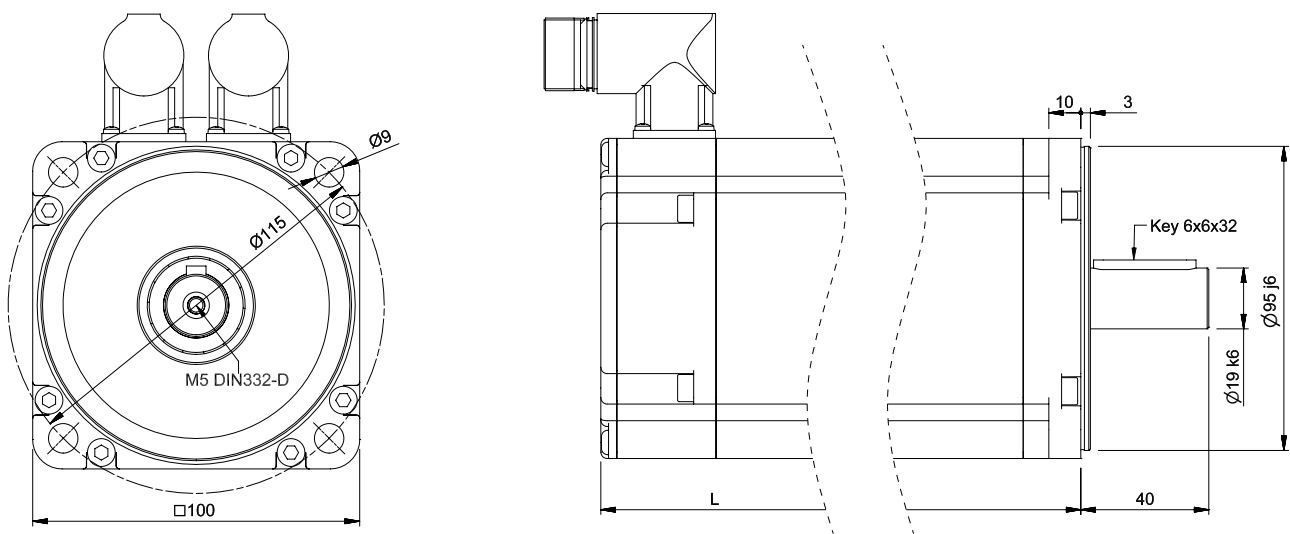
Stall Current (Arms)	Peak Torque (Nm)	Thermal Time Constant (min)	Moment Of Inertia (10 ⁻⁴ kg m ²)	Number Of Poles	Length With Sinusoidal 1Vpp Encoder (mm)	Max length with Digital or HDSL* Encoder (mm)	Weight Without Brake (kg)	Weight With Brake (kg)	Brake Additional Length (mm)
0.80	5.00	31.00	0.47	8	152.00	137.00	3.50	4.10	35
1.70	5.00	31.00	0.47	8	152.00	137.00	3.50	4.10	35
1.60	10.00	34.00	0.88	8	174.00	159.00	4.40	5.00	35
3.20	10.00	34.00	0.88	8	174.00	159.00	4.40	5.00	35
2.10	14.00	36.00	1.09	8	199.00	174.00	5.00	5.60	35
4.30	14.00	36.00	1.09	8	199.00	174.00	5.00	5.60	35
2.80	18.00	39.00	1.40	8	219.00	194.00	5.80	6.40	35
5.60	18.00	39.00	1.40	8	219.00	194.00	5.80	6.40	35

*HDSL- Hiperface DSL

MG4 - 400V



MG5 - 230V



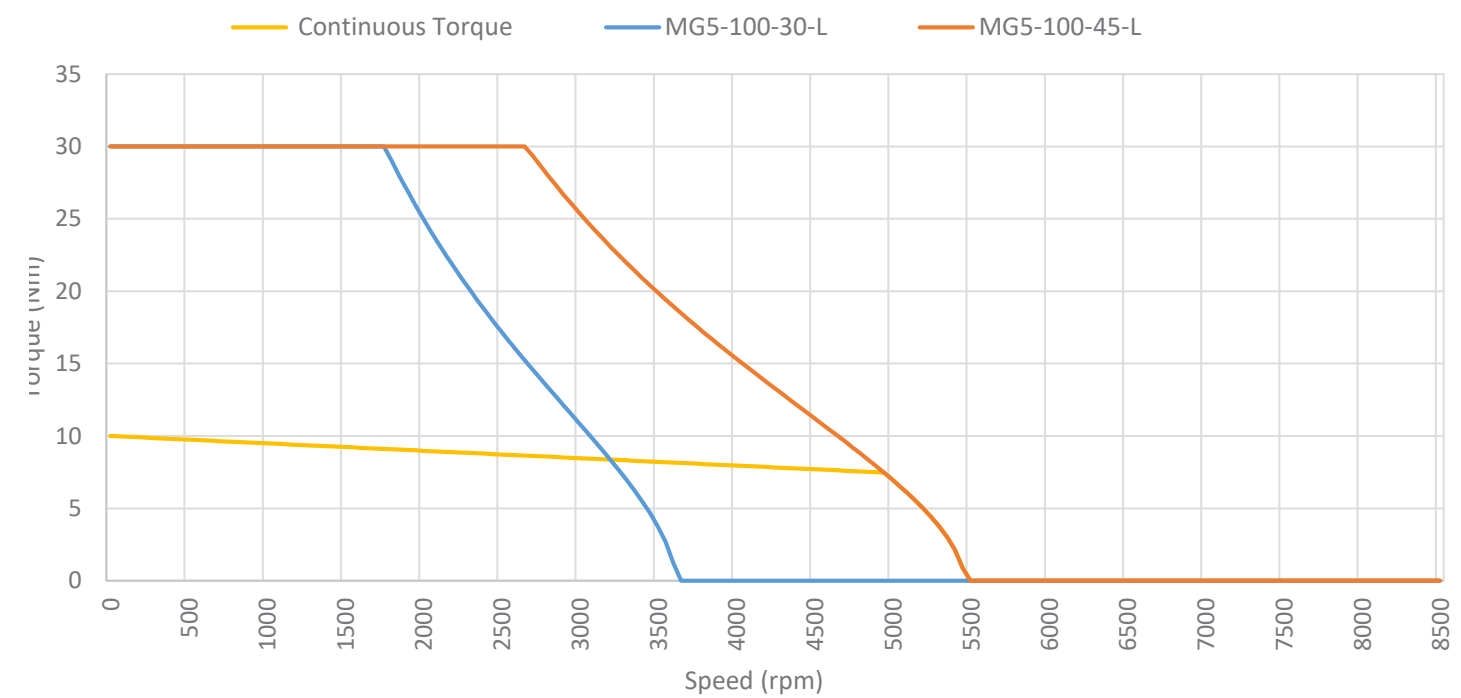
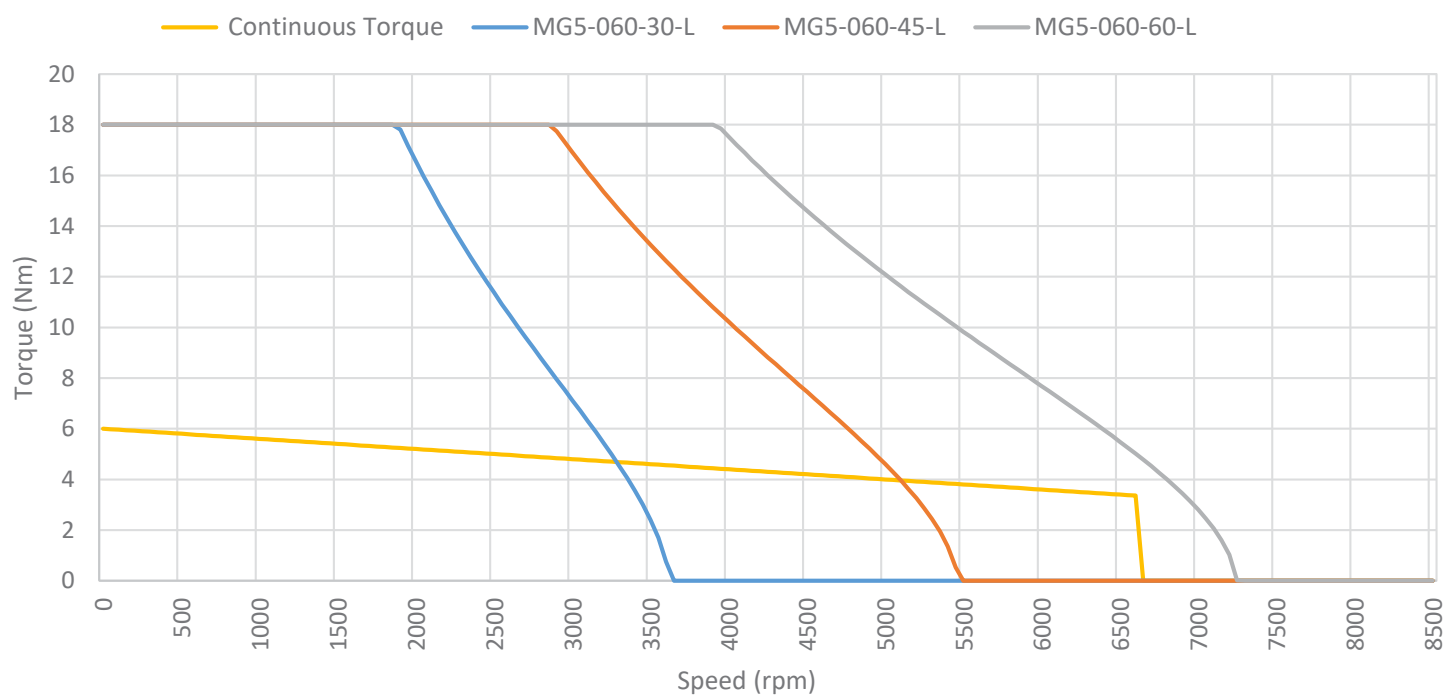
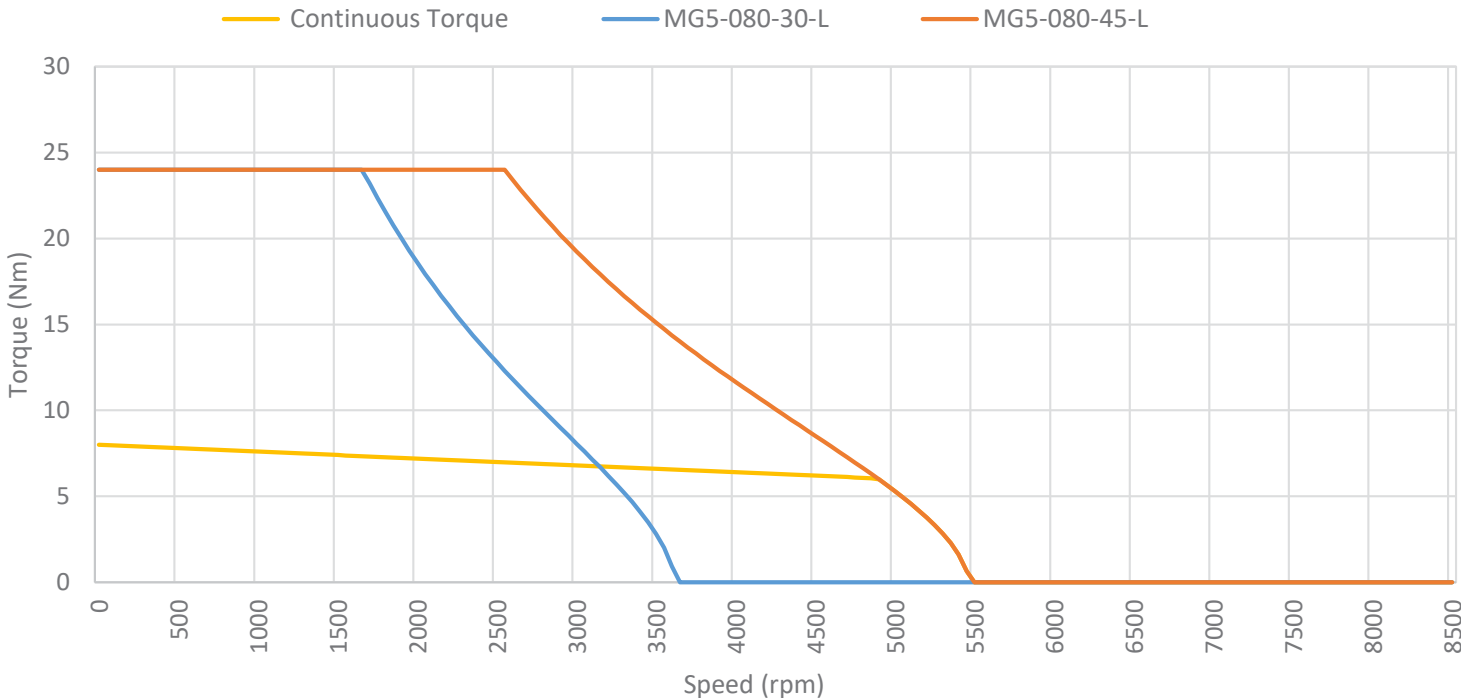
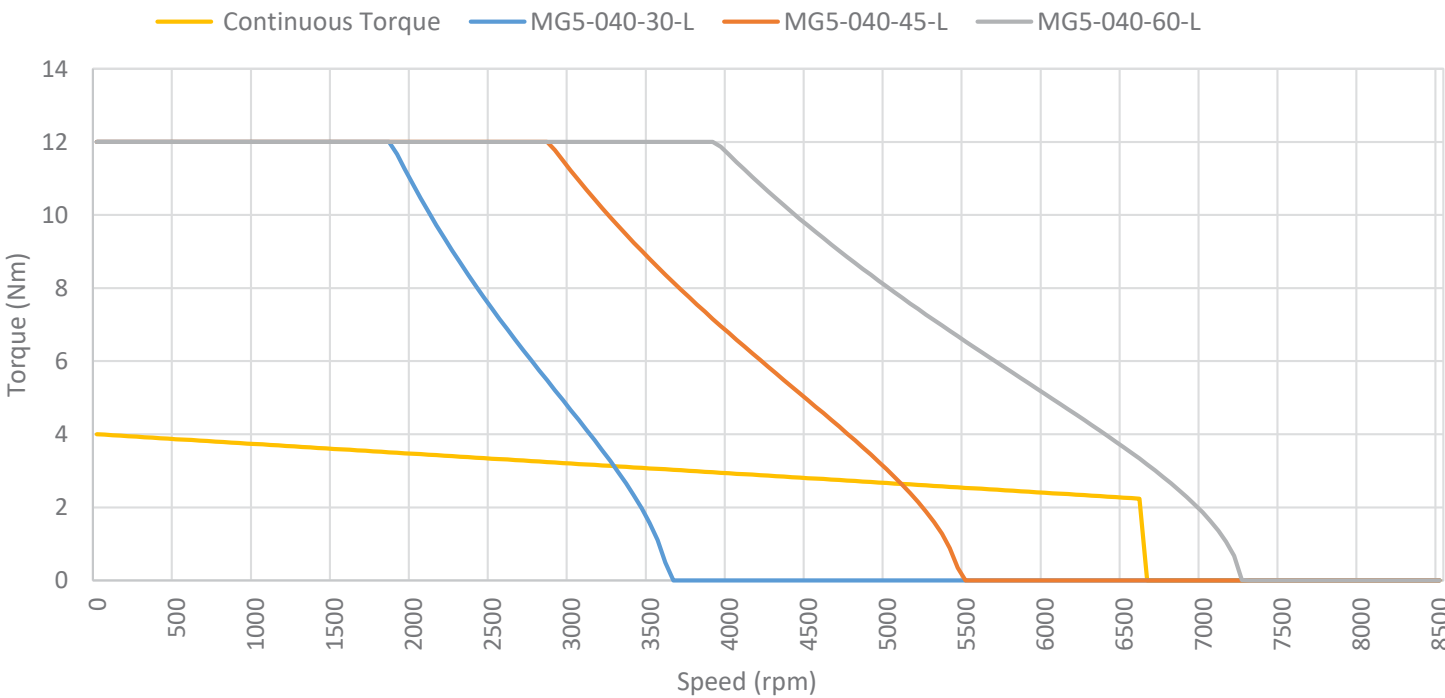
Product Range

Motor Catalogue Number	Stall Torque (Nm)	Rated Torque (Nm)	Rated Speed (rpm)	Rated Power (KW)	Torque Constant (Nm/Arms)	Voltage Constant (Vrms/krpm)	Resistance L-L @ 20°C (Ω)	Inductance L-L (mH)	Maximum Continuous Speed (rpm)	Rated Current (Arms)
MG5-040-30-L	4.00	3.50	3000	1.10	0.94	56.55	1.78	12.20	6600	3.70
MG5-040-45-L	4.00	3.10	4500	1.50	0.62	37.49	0.80	5.4	6600	5
MG5-040-60-L	4.00	2.40	6000	1.50	0.47	28.27	0.45	3.00	6600	5.10
MG5-060-30-L	6.00	5.25	3000	1.60	0.94	56.55	1.16	8.00	6600	5.60
MG5-060-45-L	6.00	4.65	4500	2.20	0.62	37.70	0.50	3.6	6600	7.5
MG5-060-60-L	6.00	3.60	6000	2.30	0.47	28.27	0.29	2.00	6600	7.70
MG5-080-30-L	8.00	7.50	3000	2.40	0.94	56.55	0.83	7.30	6600	8.00
MG5-080-45-L	8.00	6.20	4500	2.90	0.62	37.70	0.37	3.2	6600	9.9
MG5-100-30-L	10.00	8.75	3000	2.70	0.94	56.55	0.63	5.80	6600	9.40
MG5-100-45-L	10.00	7.70	4500	3.60	0.62	37.70	0.28	2.6	6600	12.3

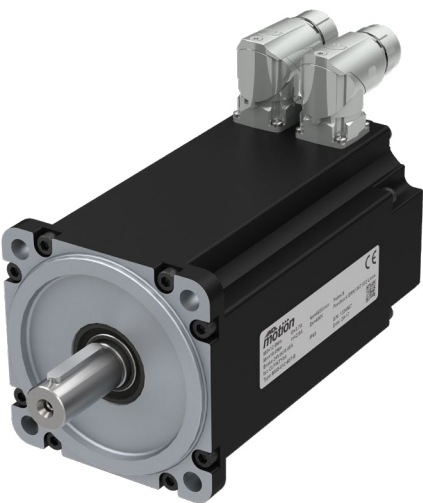
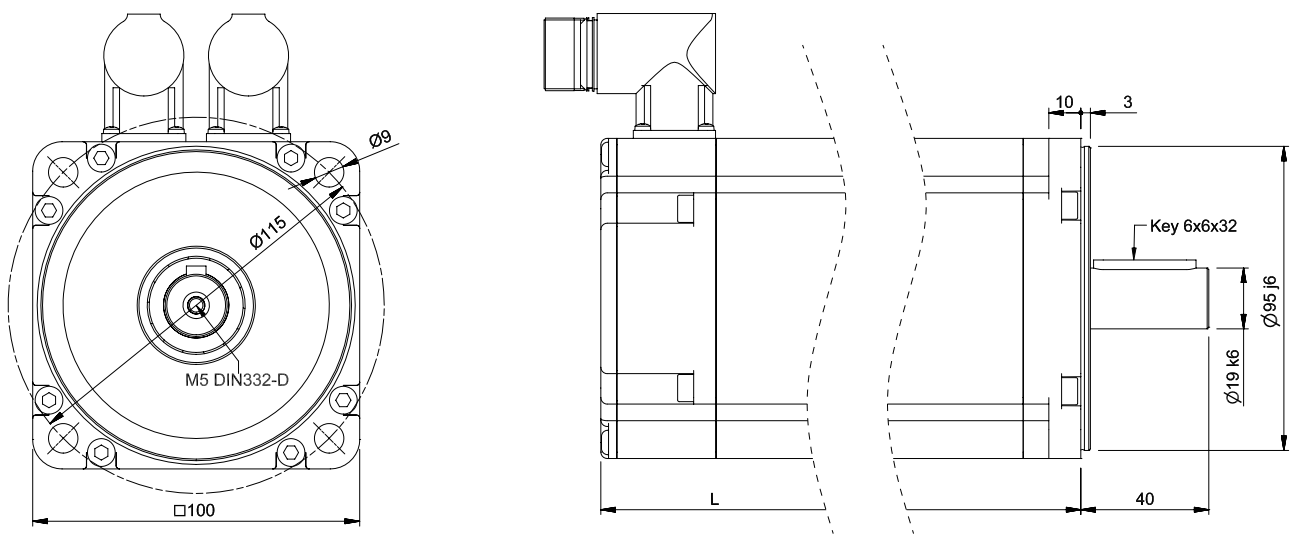
Stall Current (Arms)	Peak Torque (Nm)	Thermal Time Constant (min)	Moment Of Inertia (10 ⁻⁴ kg m ²)	Number Of Poles	Length With Sinusoidal 1Vpp Encoder (mm)	Max length with Digital or HDL* Encoder (mm)	Weight Without Brake (kg)	Weight With Brake (kg)	Brake Additional Length (mm)
4.30	12.00	25.00	1.87	8	174.00	161.00	4.70	5.60	32.00
6.4	12	25	1.87	8	174.00	161.00	4.70	5.60	32.00
8.60	12.00	25.00	1.87	8	174.00	161.00	4.70	5.60	32.00
6.40	18.00	30.00	2.67	8	194.00	181.00	5.30	6.10	32.00
9.6	18	30	2.67	8	194.00	181.00	5.30	6.10	32.00
12.80	18.00	30.00	2.67	8	194.00	181.00	5.30	6.10	32.00
8.60	24.00	30.00	3.47	8	218.00	205.00	6.20	7.10	32.00
12.8	24	30	3.47	8	218.00	205.00	6.20	7.10	32.00
10.70	30.00	35.00	4.27	8	238.00	225.00	7.20	8.10	32.00
16	30	35	4.27	8	238.00	225.00	7.20	8.10	32.00

*HDSL - Hiperface DSL

MG5 - 230V



MG5 - 400V

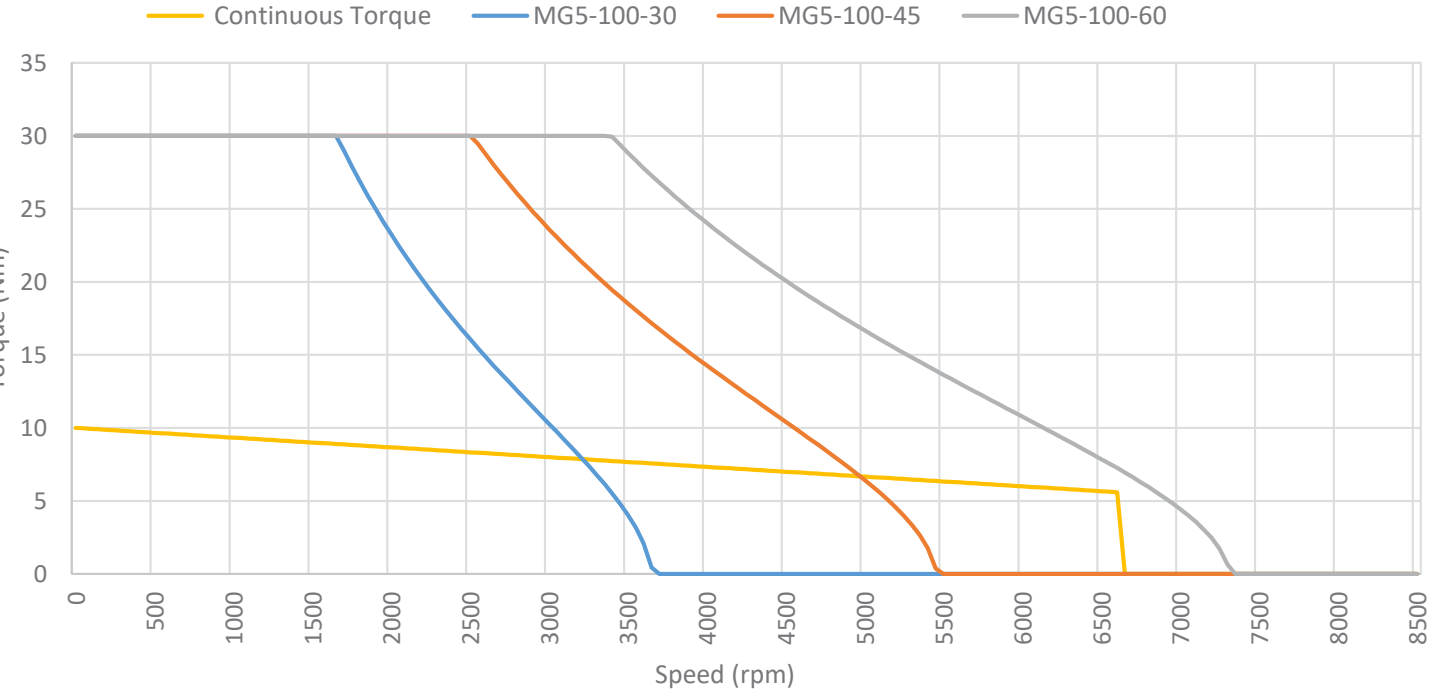
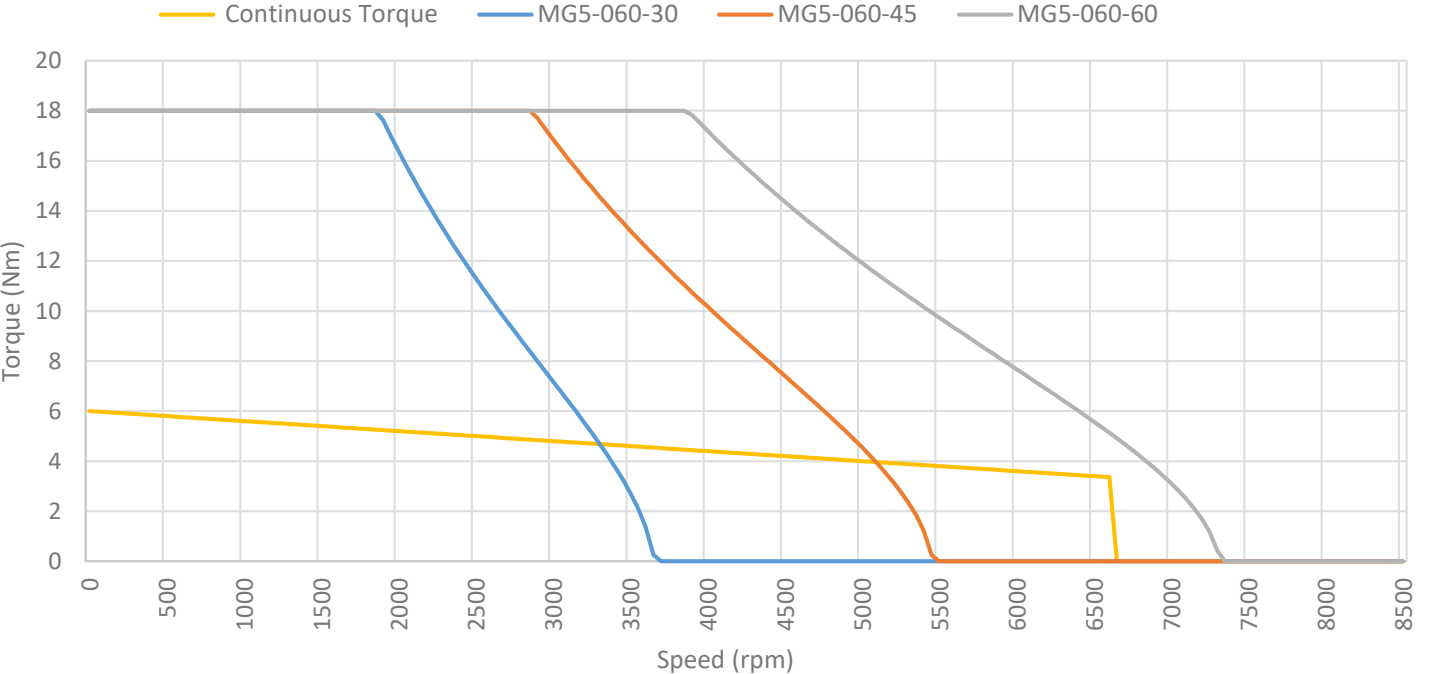
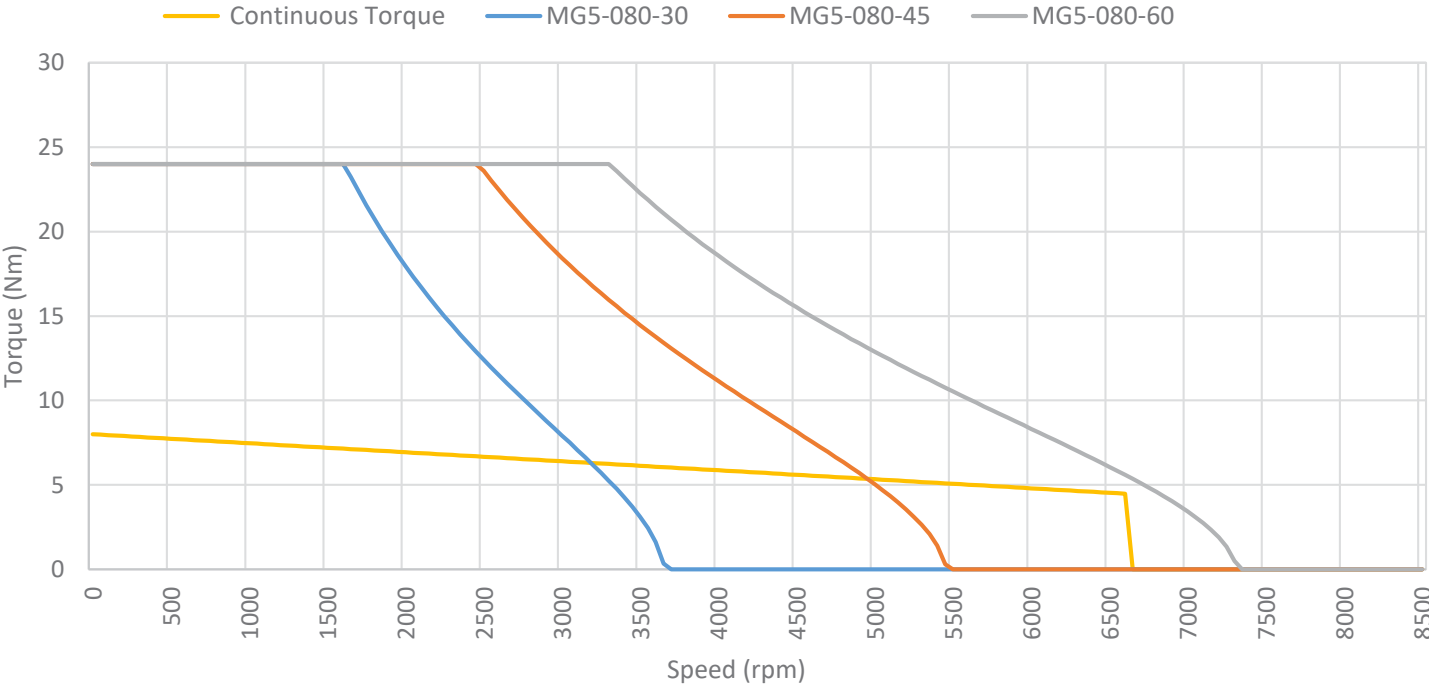
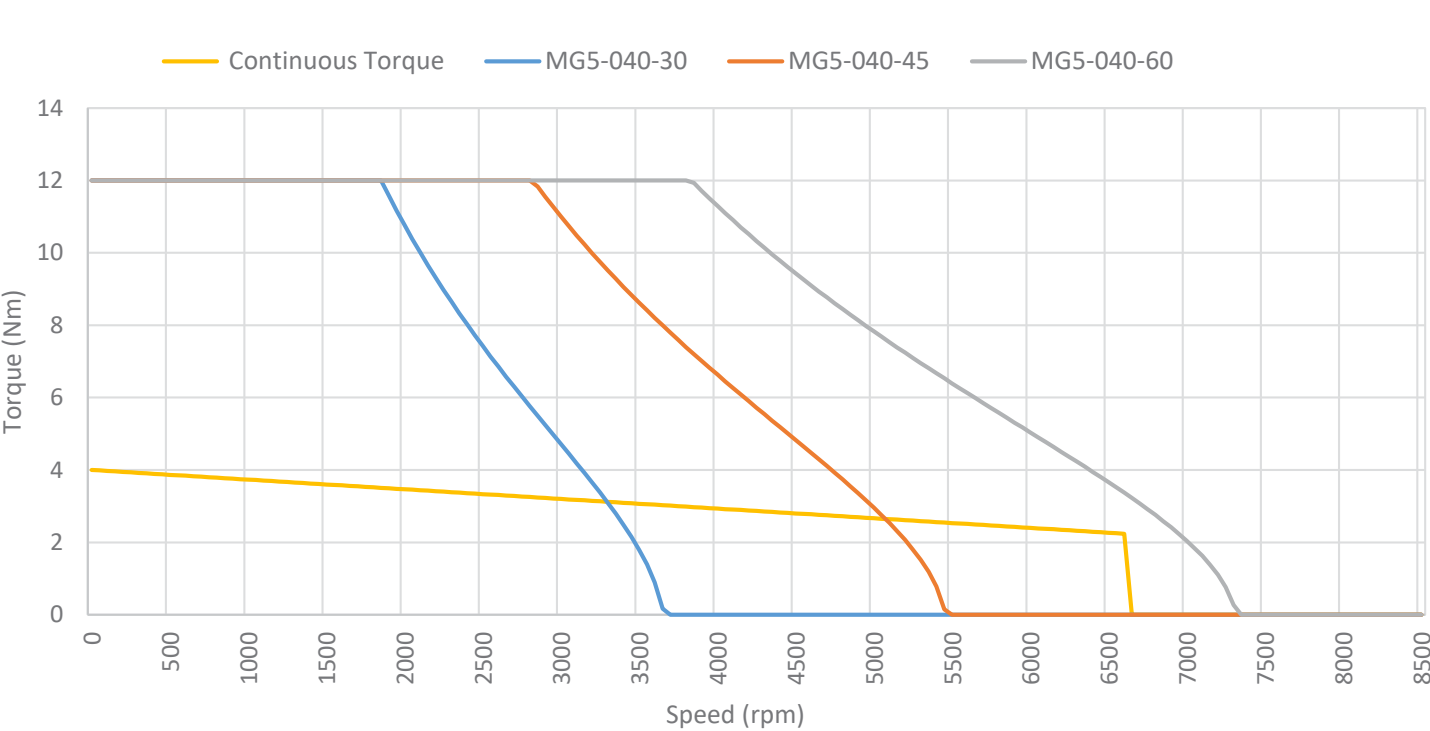


Product Range

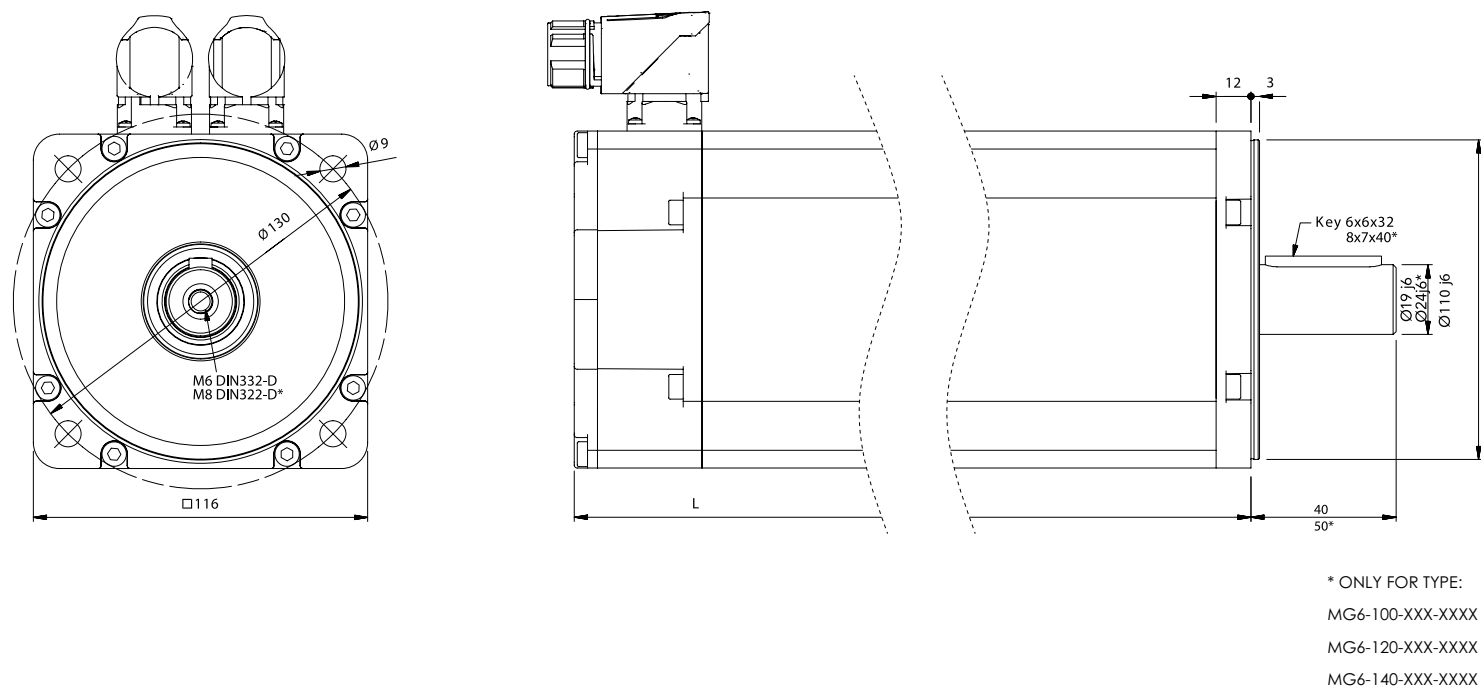
Motor Catalogue Number	Stall Torque (Nm)	Rated Torque (Nm)	Rated Speed (rpm)	Rated Power (KW)	Torque Constant (Nm/Arms)	Voltage Constant (Vrms/krpm)	Resistance L-L @ 20°C (Ω)	Inductance L-L (mH)	Maximum Continuous Speed (rpm)	Rated Current (Arms)
MG5-040-30	4.00	3.50	3000	1.10	1.63	98.44	5.40	36.50	6600	2.10
MG5-040-45	4.00	3.10	4500	1.50	1.09	65.97	2.40	16.50	6600	2.90
MG5-040-60	4.00	2.40	6000	1.50	0.81	49.22	1.35	9.13	6600	2.90
MG5-060-30	6.00	5.25	3000	1.60	1.63	98.44	3.50	24.00	6600	3.20
MG5-060-45	6.00	4.65	4500	2.20	1.09	65.97	1.50	10.80	6600	4.30
MG5-060-60	6.00	3.60	6000	2.30	0.81	49.22	0.88	6.00	6600	4.40
MG5-080-30	8.00	7.50	3000	2.40	1.63	98.44	2.50	21.80	6600	4.60
MG5-080-45	8.00	6.20	4500	2.90	1.09	65.97	1.10	9.70	6600	5.70
MG5-080-60	8.00	4.80	6000	3.00	0.81	49.22	0.63	5.45	6600	5.90
MG5-100-30	10.00	8.75	3000	2.70	1.63	98.44	1.90	17.40	6600	5.40
MG5-100-45	10.00	7.70	4500	3.60	1.09	65.97	0.90	7.80	6600	7.10
MG5-100-60	10.00	6.00	6000	3.80	0.81	49.22	0.48	4.35	6600	7.40

Stall Current (Arms)	Peak Torque (Nm)	Thermal Time Constant (min)	Moment Of Inertia (10 ⁻⁴ kg m ²)	Number Of Poles	Length With Sinusoidal 1Vpp Encoder (mm)	Max length with Digital or HDSSL* Encoder (mm)	Weight Without Brake (kg)	Weight With Brake (kg)	Brake Additional Length (mm)
2.50	12.00	25.00	1.87	8	174.00	161.00	4.70	5.60	32.00
3.70	12.00	25.00	1.87	8	174.00	161.00	4.70	5.60	32.00
4.90	12.00	25.00	1.87	8	174.00	161.00	4.70	5.60	32.00
3.70	18.00	30.00	2.67	8	194.00	181.00	5.30	6.10	32.00
5.50	18.00	30.00	2.67	8	194.00	181.00	5.30	6.10	32.00
7.40	18.00	30.00	2.67	8	194.00	181.00	5.30	6.10	32.00
4.90	24.00	30.00	3.47	8	218.00	205.00	6.20	7.10	32.00
7.40	24.00	30.00	3.47	8	218.00	205.00	6.20	7.10	32.00
9.80	24.00	30.00	3.47	8	218.00	205.00	6.20	7.10	32.00
6.10	30.00	35.00	4.27	8	238.00	225.00	7.20	8.10	32.00
9.20	30.00	35.00	4.27	8	238.00	225.00	7.20	8.10	32.00
12.30	30.00	35.00	4.27	8	238.00	225.00	7.20	8.10	32.00

MG5 - 400V



MG6 - 400V



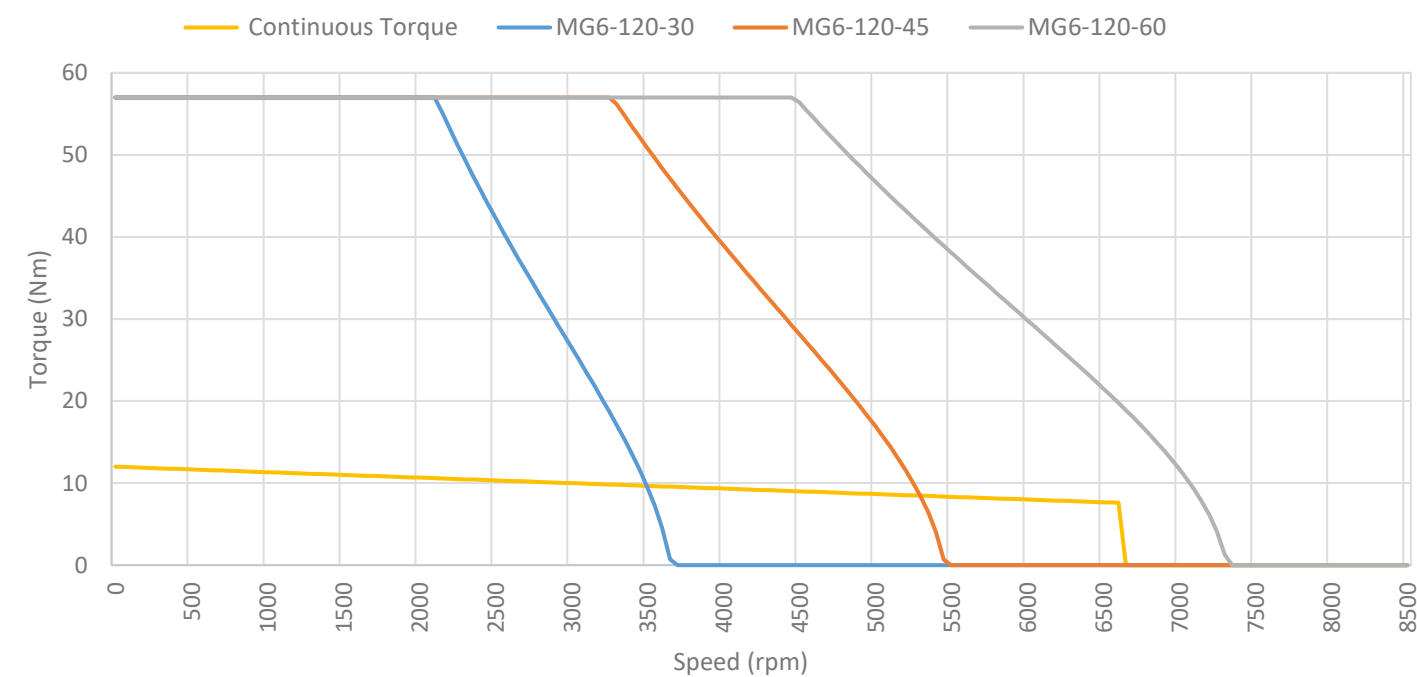
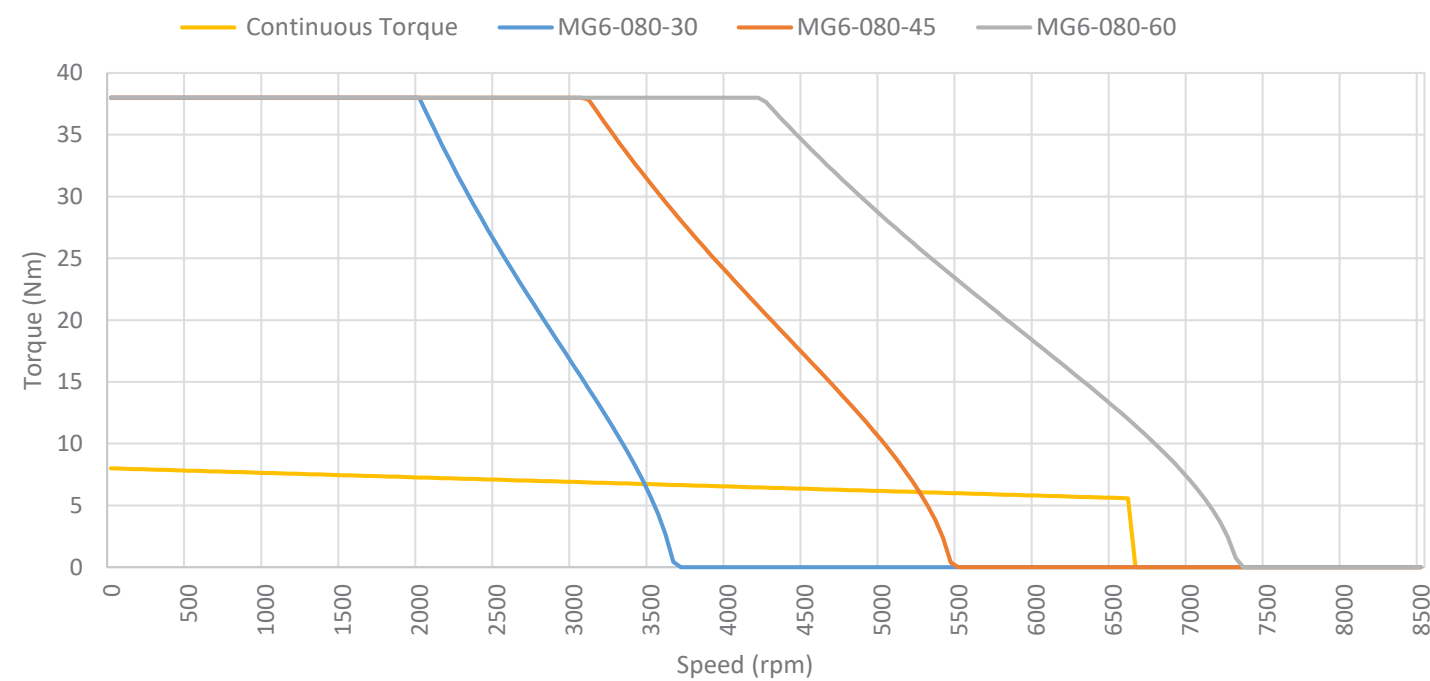
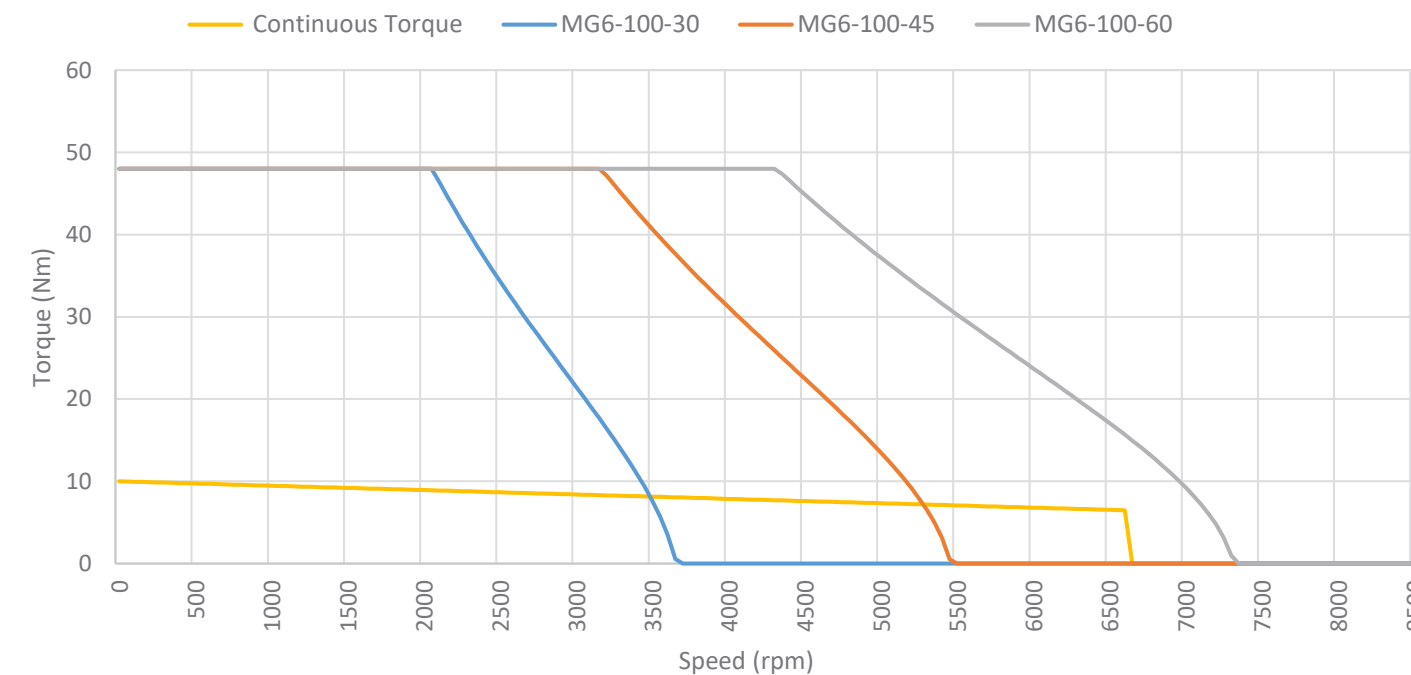
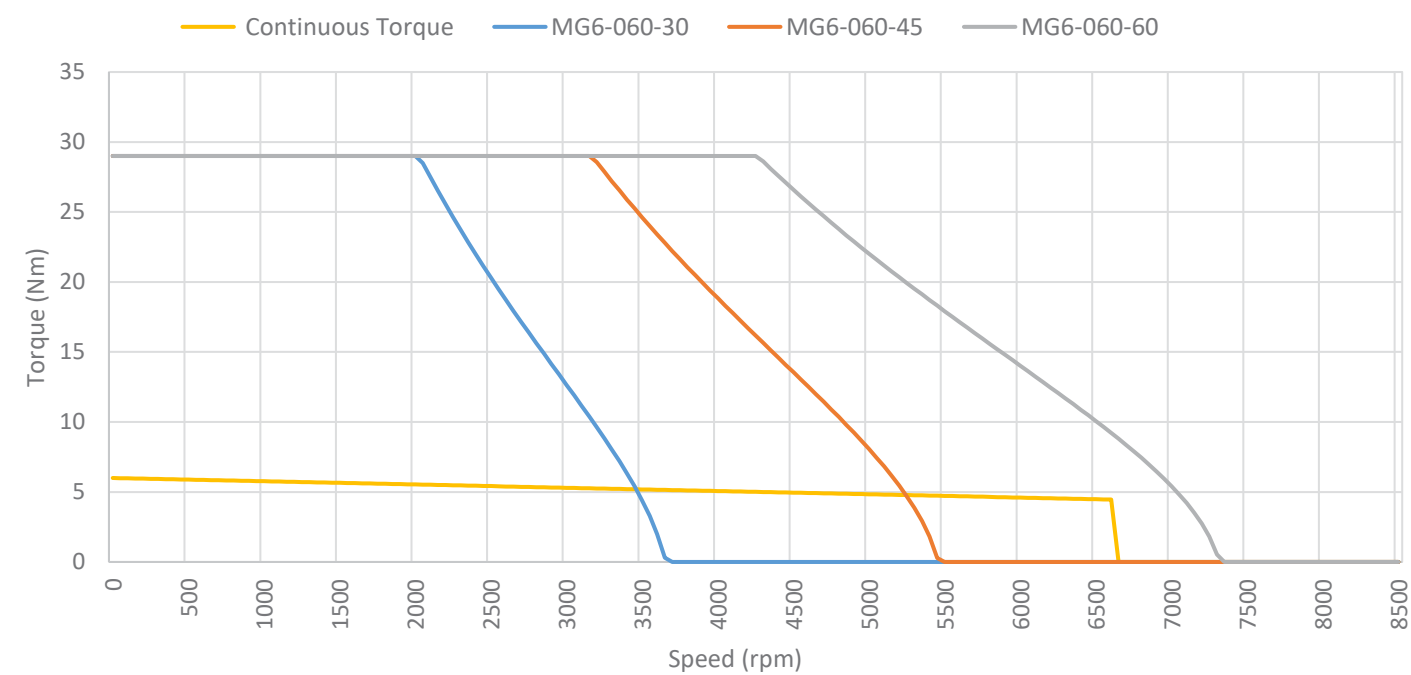
Product Range

Motor Catalogue Number	Stall Torque (Nm)	Rated Torque (Nm)	Rated Speed (rpm)	Rated Power (KW)	Torque Constant (Nm/Arms)	Voltage Constant (Vrms/krpm)	Resistance L-L @ 20°C (Ω)	Inductance L-L (mH)	Maximum Continuous Speed (rpm)	Rated Current (Arms)
MG6-060-30	6.00	5.50	3000	1.70	1.63	98.44	3.20	12.50	6600	3.40
MG6-060-45	6.00	5.10	4500	2.40	1.09	65.97	1.44	5.60	6600	4.70
MG6-060-60	6.00	4.60	6000	2.90	0.81	49.22	0.82	3.20	6600	5.70
MG6-080-30	8.00	7.00	3000	2.20	1.63	98.44	2.30	9.90	6600	4.30
MG6-080-45	8.00	6.50	4500	3.10	1.09	65.97	1.04	4.50	6600	6.00
MG6-080-60	8.00	5.80	6000	3.60	0.81	49.22	0.58	2.50	6600	7.10
MG6-100-30	10.00	8.50	3000	2.70	1.63	98.44	1.74	7.90	6600	5.20
MG6-100-45	10.00	7.80	4500	3.70	1.09	65.97	0.78	3.60	6600	7.10
MG6-100-60	10.00	6.80	6000	4.30	0.81	49.22	0.44	2.00	6600	8.40
MG6-120-30	12.00	10.10	3000	3.20	1.63	98.44	1.32	6.50	6600	6.20
MG6-120-45	12.00	9.00	4500	4.20	1.09	65.97	0.59	2.90	6600	8.20
MG6-120-60	12.00	8.00	6000	5.00	0.81	49.22	0.33	1.60	6600	9.80
MG6-140-30	14.00	11.80	3000	3.70	1.63	98.44	1.15	5.70	6600	7.20
MG6-140-45	14.00	10.60	4500	5.00	1.09	65.97	0.52	2.60	6600	9.70
MG6-140-60	14.00	9.20	6000	5.80	0.81	49.22	0.30	1.50	6600	11.30

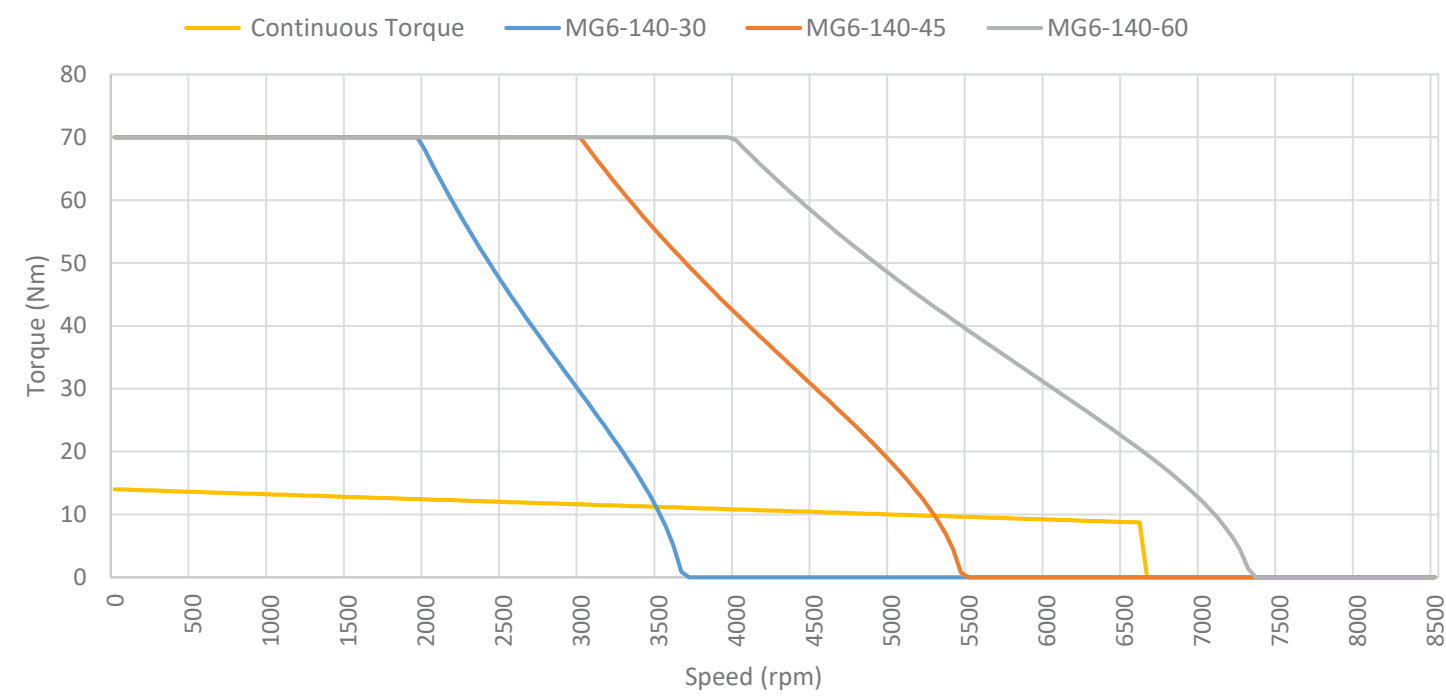
Stall Current (Arms)	Peak Torque (Nm)	Thermal Time Constant (min)	Moment Of Inertia (10 ⁻⁴ kg m ²)	Number Of Poles	Length With Sinusoidal 1Vpp Encoder (mm)	Max length with Digital or HDSL* Encoder (mm)	Weight Without Brake (kg)	Weight With Brake (kg)	Brake Additional Length (mm)
3.70	29.00	31.00	7.76	10	189.50	168.00	7.10	8.60	36.50
5.50	29.00	31.00	7.76	10	189.50	168.00	7.10	8.60	36.50
7.40	29.00	31.00	7.76	10	189.50	168.00	7.10	8.60	36.50
4.90	38.00	32.00	10.40	10	204.50	183.00	8.00	9.40	36.50
7.30	38.00	32.00	10.40	10	204.50	183.00	8.00	9.40	36.50
9.80	38.00	32.00	10.40	10	204.50	183.00	8.00	9.40	36.50
6.10	48.00	34.00	12.40	10	219.50	198.00	8.90	10.30	36.50
9.20	48.00	34.00	12.40	10	219.50	198.00	8.90	10.30	36.50
12.30	48.00	34.00	12.40	10	219.50	198.00	8.90	10.30	36.50
7.40	57.00	37.00	14.90	10	234.50	213.00	10.00	11.40	36.50
11.00	57.00	37.00	14.90	10	234.50	213.00	10.00	11.40	36.50
14.70	57.00	37.00	14.90	10	234.50	213.00	10.00	11.40	36.50
8.60	70.00	41.00	18.20	10	254.50	233.00	11.30	12.70	36.50
12.80	70.00	41.00	18.20	10	254.50	233.00	11.30	12.70	36.50
17.28	70.00	41.00	18.20	10	254.50	233.00	11.30	12.70	36.50

*HDSL- Hiperface DSL

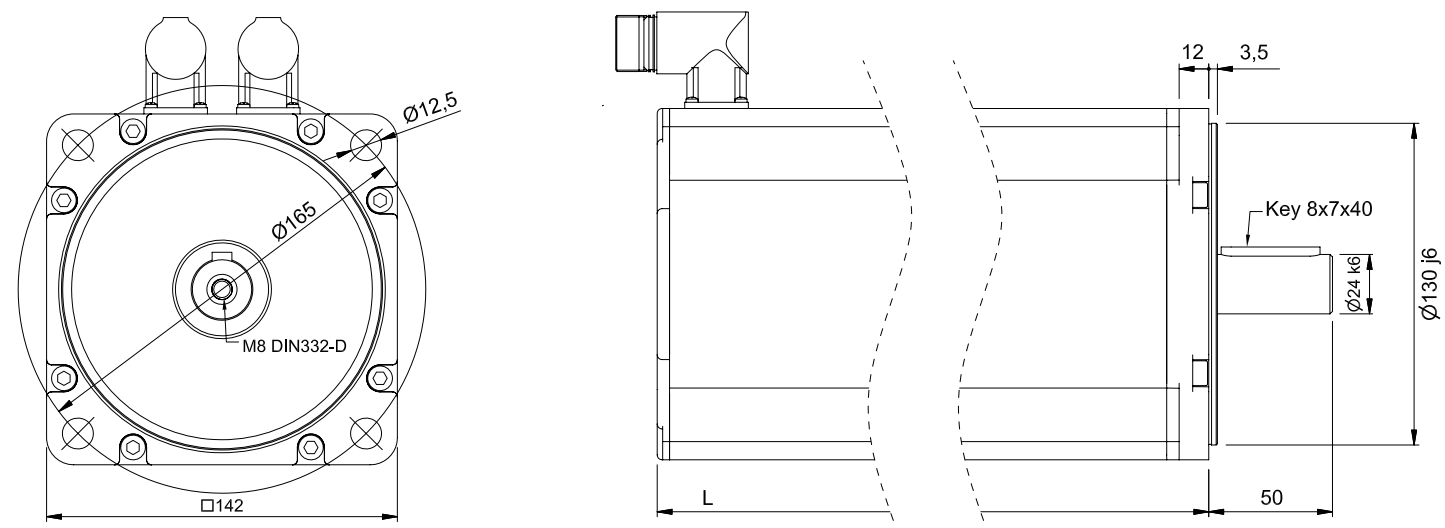
MG6 - 400V



MG6 - 400V



MG7 (SHORT) - 400V



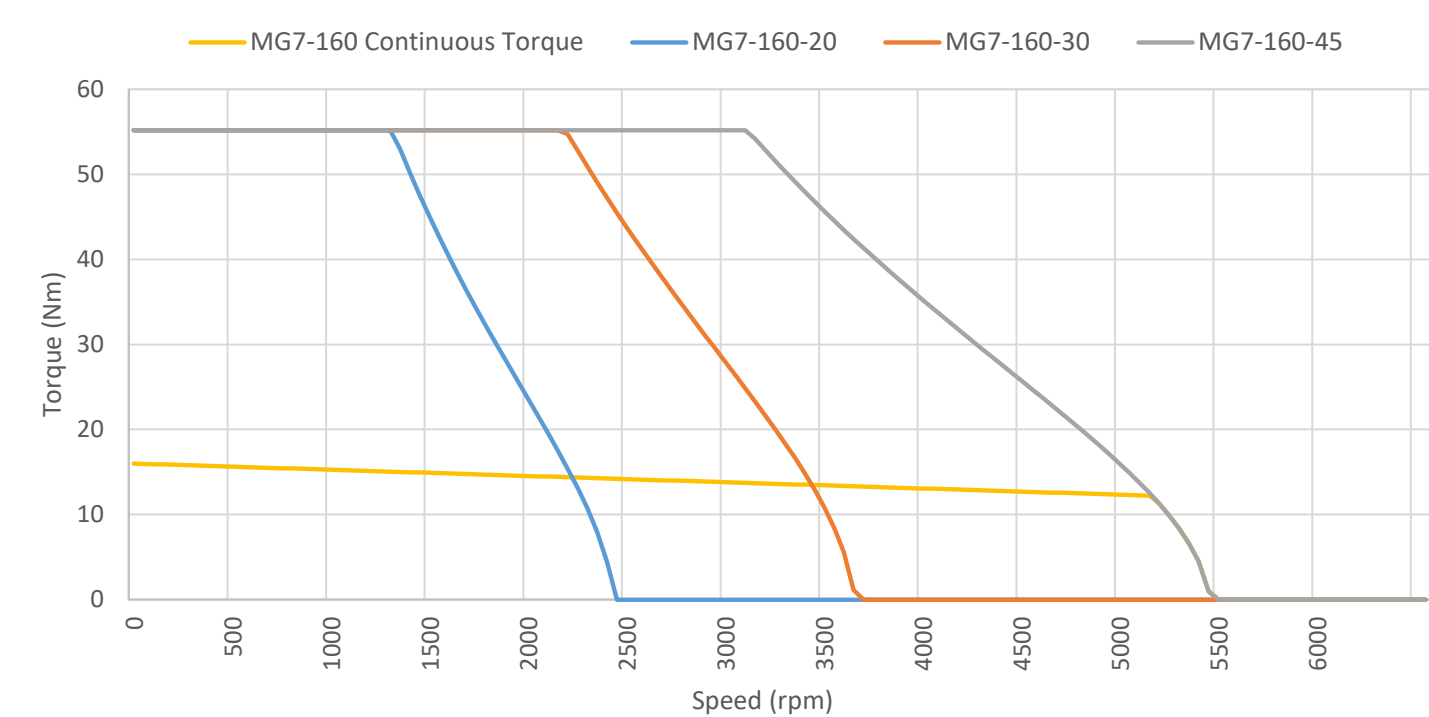
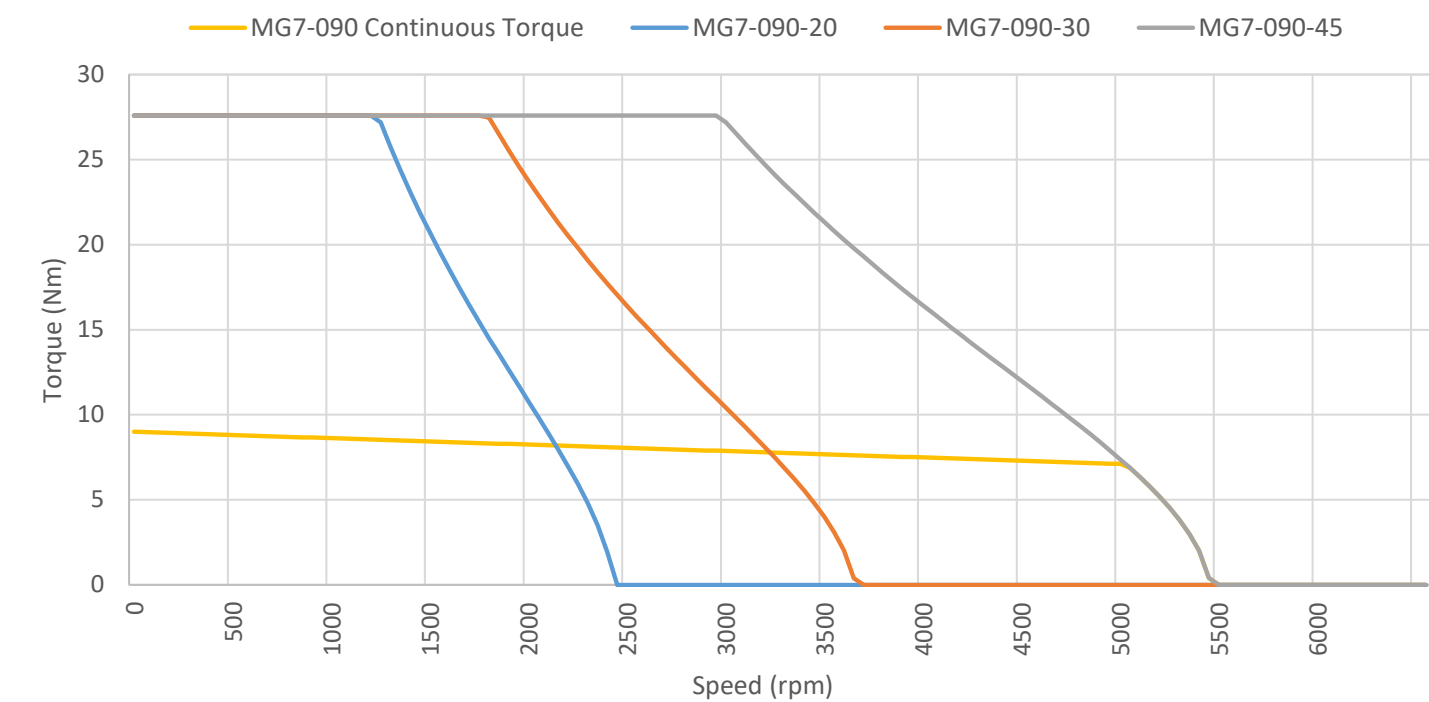
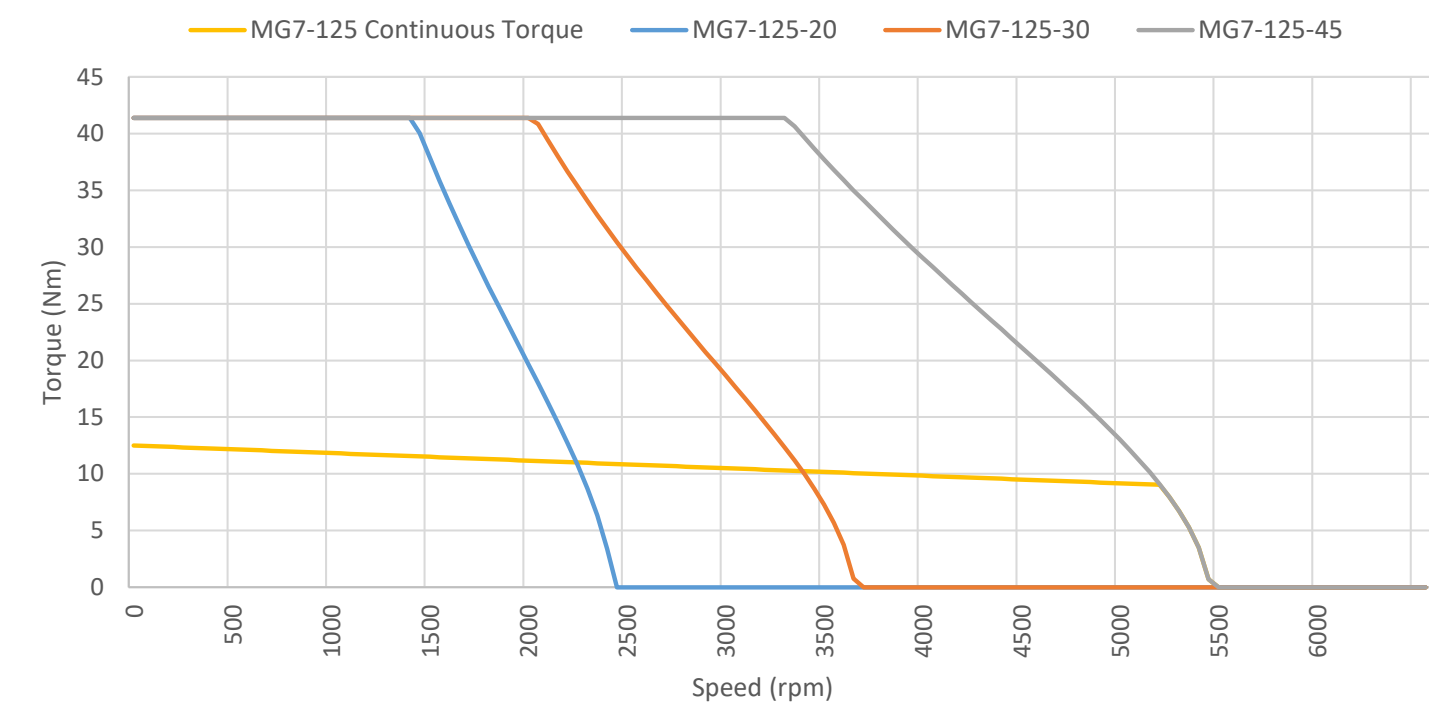
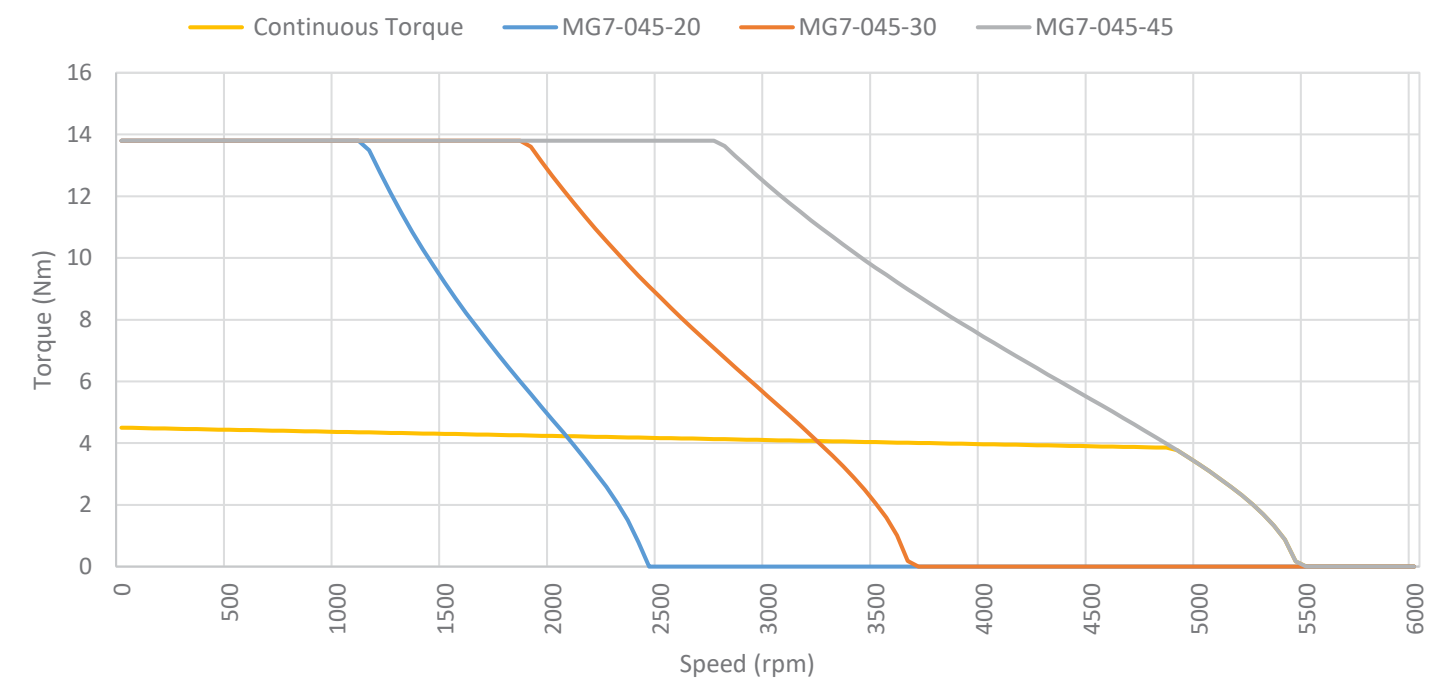
Product Range

Motor Catalogue Number	Stall Torque (Nm)	Rated Torque (Nm)	Rated Speed (rpm)	Rated Power (KW)	Torque Constant (Nm/Arms)	Voltage Constant (Vrms/krpm)	Resistance L-L @ 20°C (Ω)	Inductance L-L (mH)	Maximum Continuous Speed (rpm)	Rated Current (Arms)
MG7-045-20	4.50	4.20	2000	0.90	2.44	147.65	11.30	99.00	6600	1.70
MG7-045-30	4.50	4.00	3000	1.30	1.63	98.44	5.13	40.30	6600	2.50
MG7-045-45	4.50	3.90	4500	1.80	1.09	65.97	2.22	19.30	6600	3.60
MG7-090-20	9.00	8.10	2000	1.70	2.44	147.65	4.03	44.40	6600	3.30
MG7-090-30	9.00	7.70	3000	2.40	1.63	98.44	2.16	21.50	6600	4.70
MG7-090-45	9.00	7.30	4500	3.40	1.09	65.97	0.79	8.70	6600	6.70
MG7-125-20	12.50	11.80	2000	2.50	2.44	147.65	2.51	24.50	6600	4.80
MG7-125-30	12.50	11.60	3000	3.60	1.63	98.44	1.13	12.50	6600	7.10
MG7-125-45	12.50	9.50	4500	4.50	1.09	65.97	0.51	5.00	6600	8.70
MG7-160-20	16.00	15.10	2000	3.20	2.44	147.65	1.73	20.90	6600	6.20
MG7-160-30	16.00	13.90	3000	4.40	1.63	98.44	0.75	8.20	6600	8.50
MG7-160-45	16.00	12.70	4500	6.00	1.09	65.97	0.34	4.10	6600	11.70
MG7-200-20	20.00	18.50	2000	3.90	2.44	147.65	1.18	14.20	6600	7.60
MG7-200-30	20.00	17.50	3000	5.50	1.63	98.44	0.56	6.30	6600	10.70
MG7-200-45	20.00	14.60	4500	6.90	1.09	65.97	0.26	3.20	6600	13.40
MG7-260-20	26.00	22.40	2000	4.70	2.44	147.65	0.91	11.20	6600	9.20
MG7-260-30	26.00	18.90	3000	5.90	1.63	98.44	0.41	5.00	6600	11.60
MG7-260-45	26.00	14.70	4500	6.90	1.09	65.97	0.19	2.40	6600	13.50

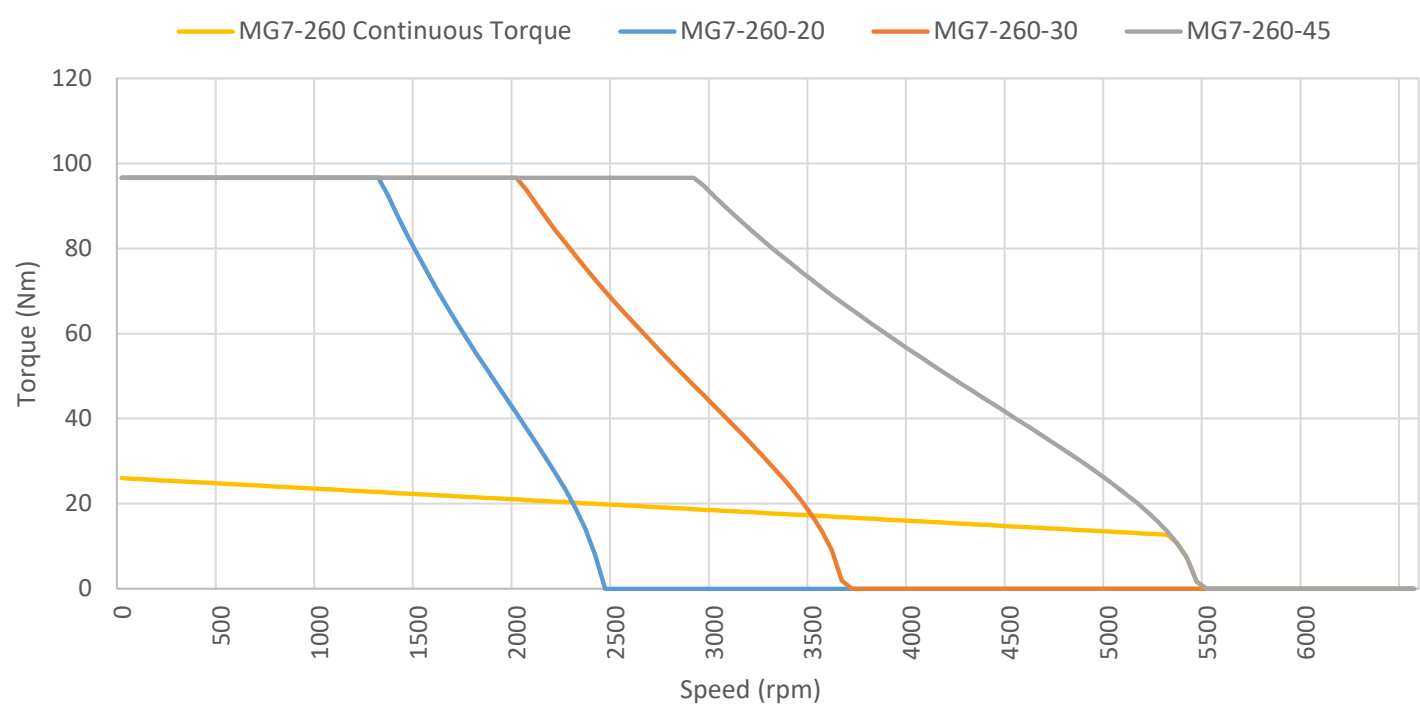
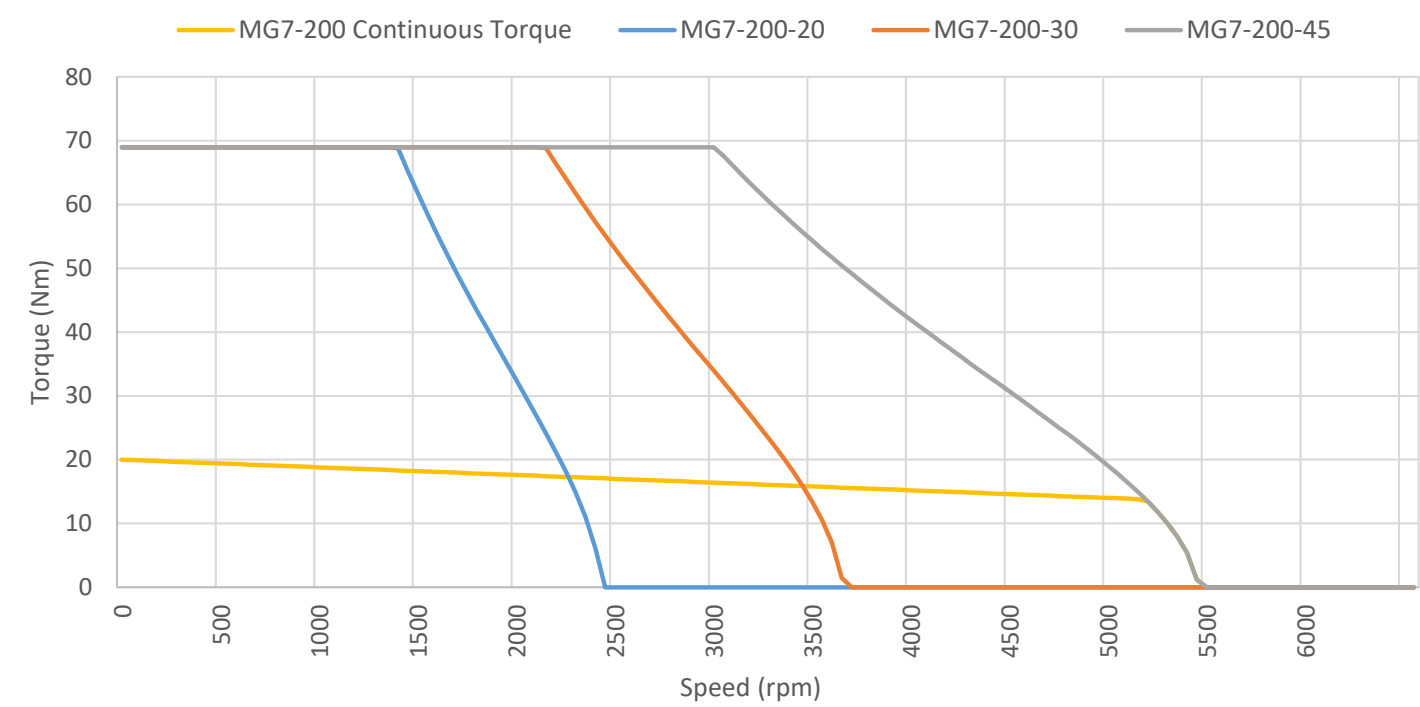
Stall Current (Arms)	Peak Torque (Nm)	Thermal Time Constant (min)	Moment Of Inertia (10 ⁻⁴ kg m ²)	Number Of Poles	Length With Sinusoidal 1Vpp Encoder (mm)	Max length with Digital or HDSL* Encoder (mm)	Weight Without Brake (kg)	Weight With Brake (kg)	Brake Additional Length (mm)
1.80	13.80	33.00	3.60	8	187.50	159	7.50	9.50	35.00
2.80	13.80	33.00	3.60	8	187.50	159	7.50	9.50	35.00
4.10	13.80	33.00	3.60	8	187.50	159	7.50	9.50	35.00
3.70	27.60	37.00	6.00	8	212.50	184	9.50	11.50	35.00
5.50	27.60	37.00	6.00	8	212.50	184	9.50	11.50	35.00
8.30	27.60	37.00	6.00	8	212.50	184	9.50	11.50	35.00
5.10	41.40	40.00	8.20	8	237.50	209	11.50	13.50	30.00
7.70	41.40	40.00	8.20	8	237.50	209	11.50	13.50	30.00
11.50	41.40	40.00	8.20	8	237.50	209	11.50	13.50	30.00
6.50	55.20	43.00	10.70	8	262.50	234	13.50	15.50	30.00
9.80	55.20	43.00	10.70	8	262.50	234	13.50	15.50	30.00
14.70	55.20	43.00	10.70	8	262.50	234	13.50	15.50	30.00
8.20	69.00	46.00	13.10	8	287.50	259	15.50	17.50	25.00
12.30	69.00	46.00	13.10	8	287.50	259	15.50	17.50	25.00
18.40	69.00	46.00	13.10	8	287.50	259	15.50	17.50	25.00
10.60	96.60	49.00	18.40	8	327.50	309	19.50	21.50	20.00
16.00	96.60	49.00	18.40	8	327.50	309	19.50	21.50	20.00
23.90	96.60	49.00	18.40	8	327.50	309	19.50	21.50	20.00

*HDSL- Hiperface DSL

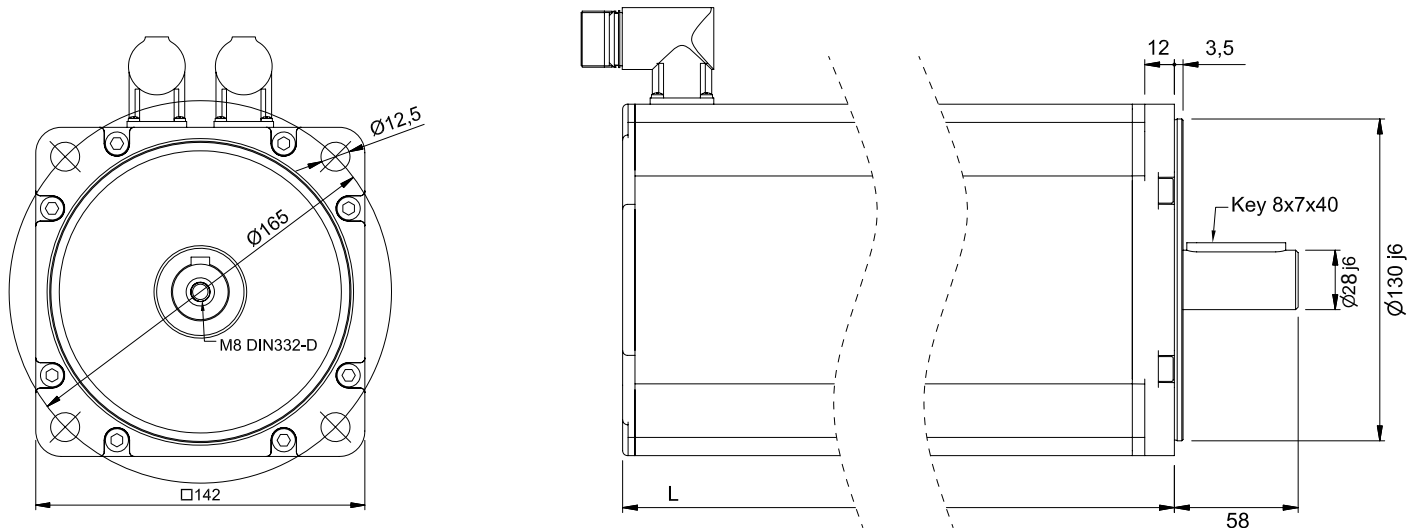
MG7 (SHORT) - 400V



MG7 (SHORT) - 400V



MG7 (LONG) - 400V



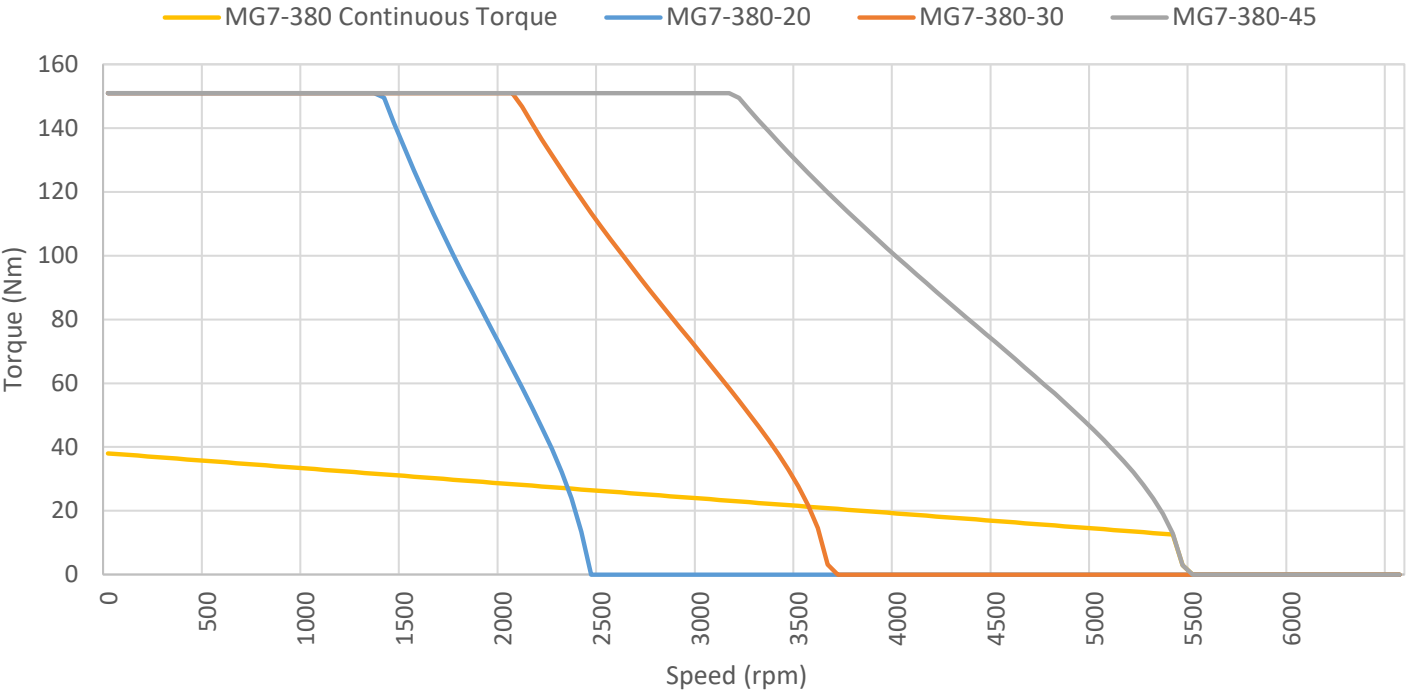
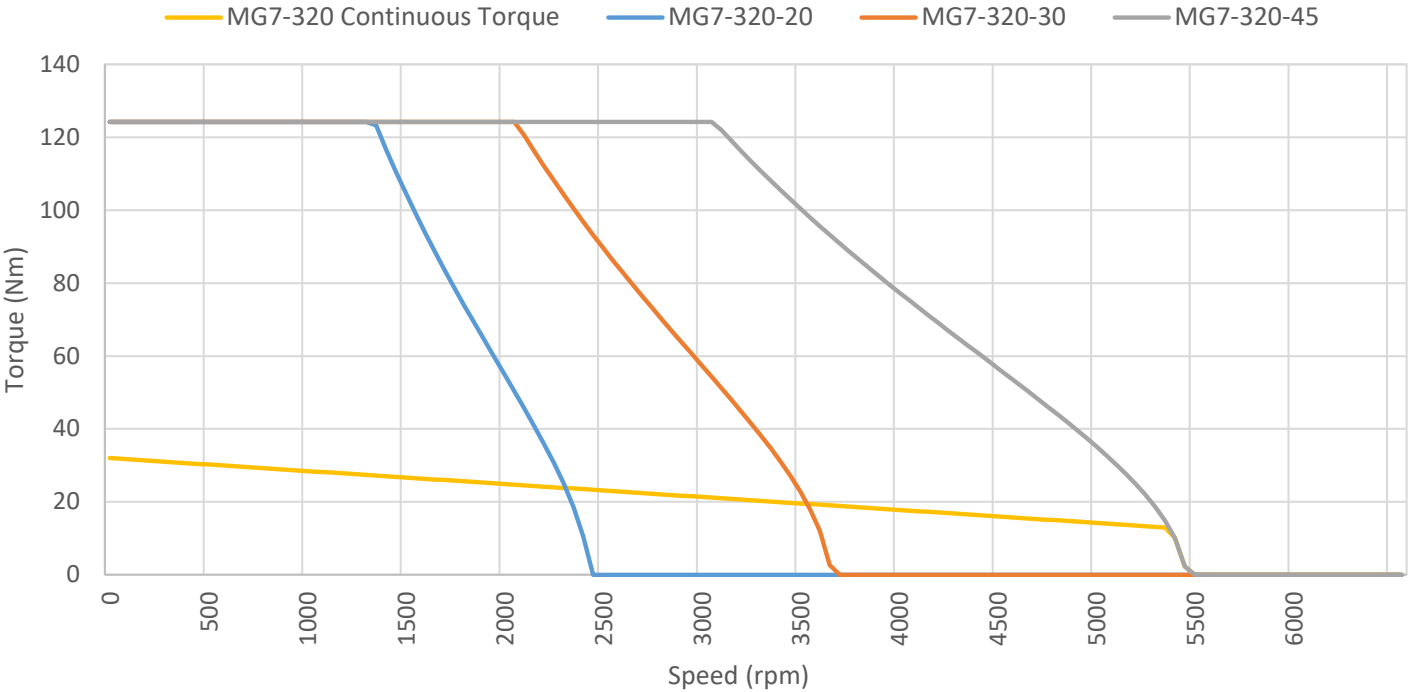
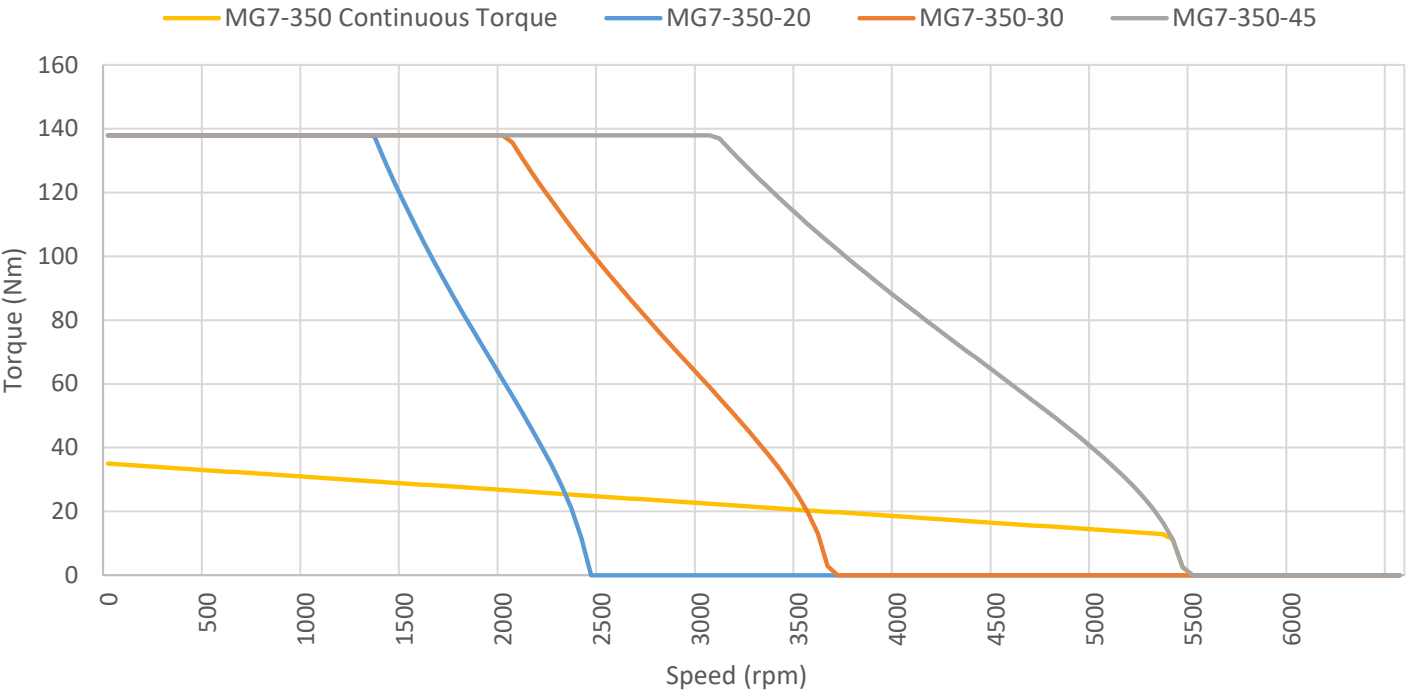
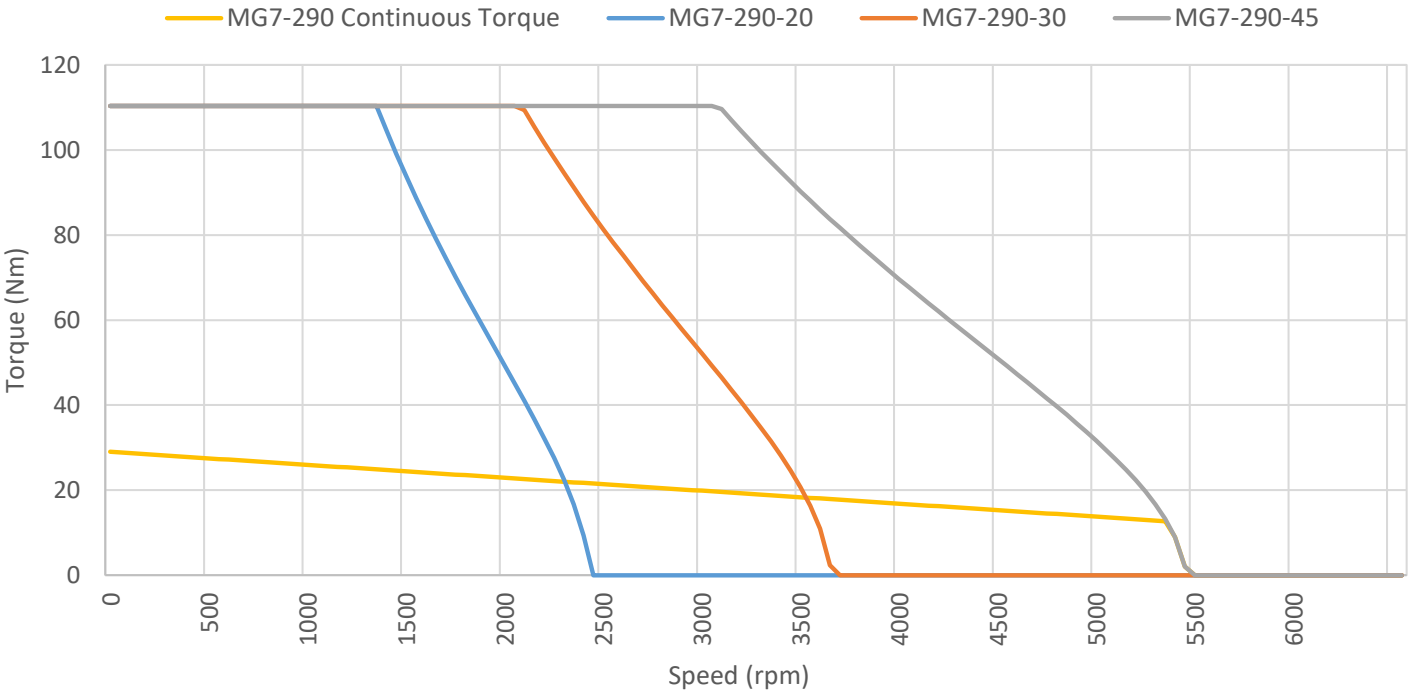
Product Range

Motor Catalogue Number	Stall Torque (Nm)	Rated Torque (Nm)	Rated Speed (rpm)	Rated Power (KW)	Torque Constant (Nm/Arms)	Voltage Constant (Vrms/krpm)	Resistance L-L @ 20°C (Ω)	Inductance L-L (mH)	Maximum Continuous Speed (rpm)	Rated Current (Arms)
MG7-290-20	29.00	23.90	2000	5.00	2.44	147.65	0.78	9.70	6600	9.80
MG7-290-30	29.00	20.30	3000	6.40	1.63	98.44	0.34	4.30	6600	12.50
MG7-290-45	29.00	15.30	4500	7.20	1.09	65.97	0.16	2.00	6600	14.10
MG7-320-20	32.00	25.50	2000	5.30	2.44	147.65	0.70	8.70	6600	10.40
MG7-320-30	32.00	21.80	3000	6.80	1.63	98.44	0.31	3.90	6600	13.40
MG7-320-45	32.00	16.00	4500	7.50	1.09	65.97	0.14	1.80	6600	14.70
MG7-350-20	35.00	26.70	2000	5.60	2.44	147.65	0.62	7.80	6600	10.90
MG7-350-30	35.00	23.00	3000	7.20	1.63	98.44	0.28	3.60	6600	14.10
MG7-350-45	35.00	16.40	4500	7.70	1.09	65.97	0.13	1.60	6600	15.10
MG7-380-20	38.00	28.00	2000	5.90	2.44	147.65	0.54	6.80	6600	11.50
MG7-380-30	38.00	24.10	3000	7.60	1.63	98.44	0.26	3.20	6600	14.80
MG7-380-45	38.00	16.80	4500	7.90	1.09	65.97	0.11	1.40	6600	15.50

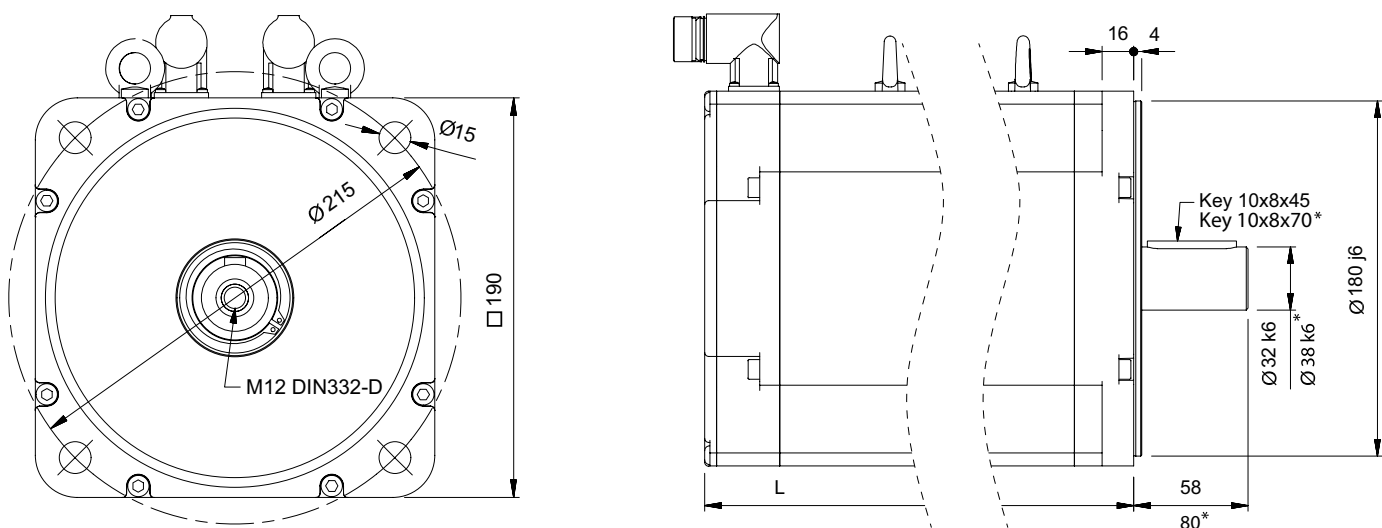
Stall Current (Arms)	Peak Torque (Nm)	Thermal Time Constant (min)	Moment Of Inertia (10 ⁻⁴ kg m ²)	Number Of Poles	Length With Sinusoidal 1Vpp Encoder (mm)	Max length with Digital or HDSSL* Encoder (mm)	Weight Without Brake (kg)	Weight With Brake (kg)	Brake Additional Length (mm)	Connector Size
11.90	110.40	51.00	20.60	8	367.50	349	22.50	24.50	35.00	M23
17.80	110.40	51.00	20.60	8	367.50	349	22.50	24.50	35.00	M23
26.70	110.40	51.00	20.60	8	367.50	349	22.50	24.50	35.00	M23
13.10	124.20	52.00	23.00	8	390.00	371	24.80	26.80	35.00	M23
19.60	124.20	52.00	23.00	8	390.00	371	24.80	26.80	35.00	M23
29.50	124.20	52.00	23.00	8	390.00	371	24.80	26.80	35.00	M40
14.30	138.00	53.00	25.50	8	412.50	394	27.10	29.10	35.00	M23
21.50	138.00	53.00	25.50	8	412.50	394	27.10	29.10	35.00	M23
32.20	138.00	53.00	25.50	8	412.50	394	27.10	29.10	35.00	M40
15.60	151.00	55.00	28.00	8	435.00	416	29.40	31.40	35.00	M23
23.30	151.00	55.00	28.00	8	435.00	416	29.40	31.40	35.00	M23
35.00	151.00	55.00	28.00	8	435.00	416	29.40	31.40	35.00	M40

*HDSSL- Hiperface DSL

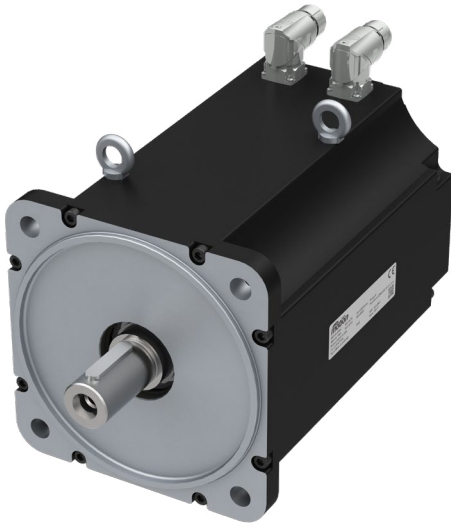
MG7 (LONG) - 400V



MG8 - 400V



* ONLY FOR TYPE:
MG8-560-XXX-XXXX
MG8-680-XXX-XXXX
MG8-800-XXX-XXXX



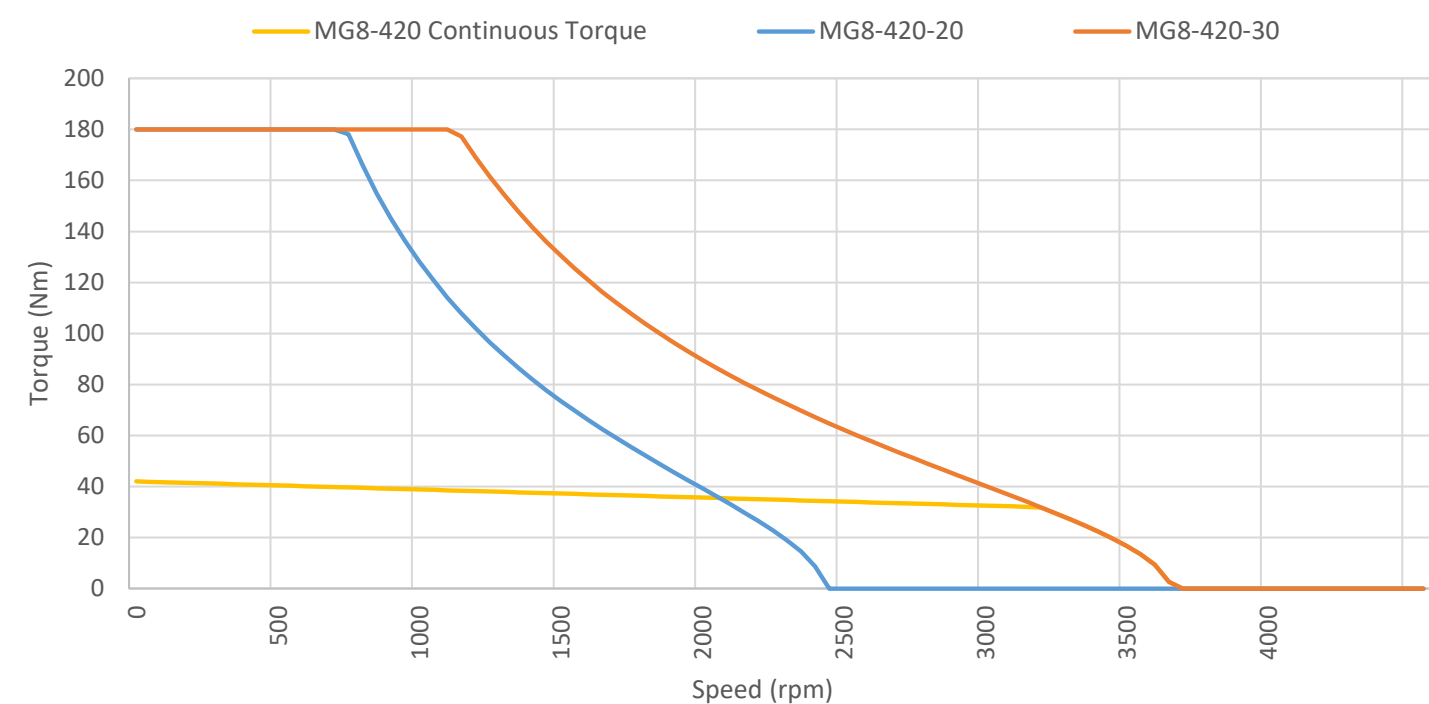
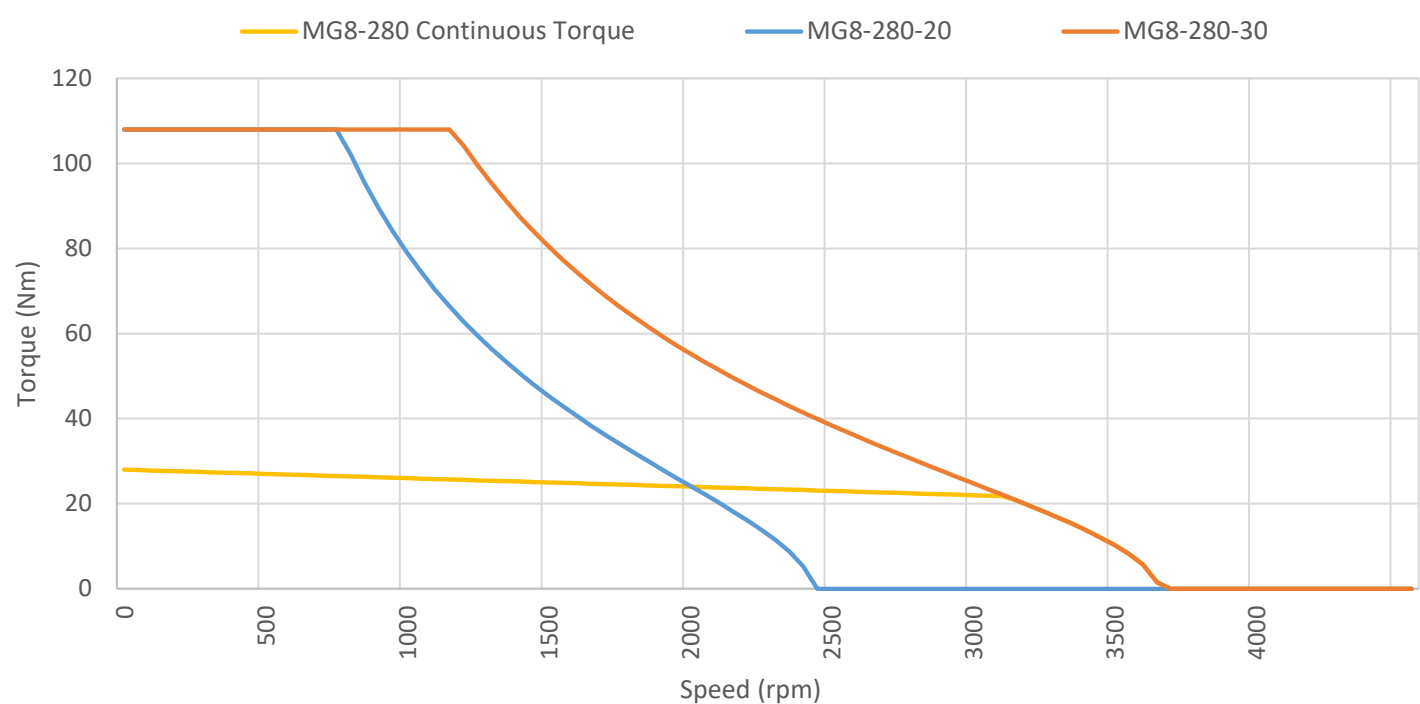
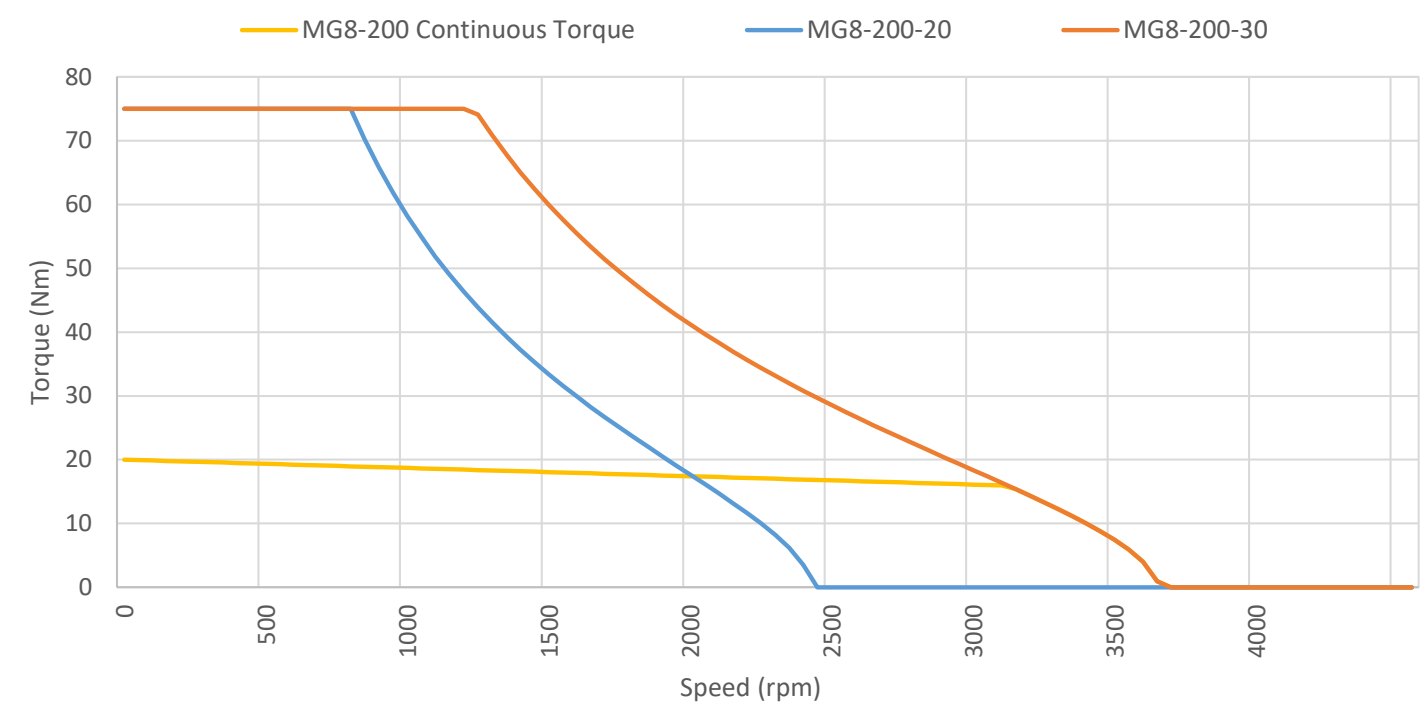
Product Range

Motor Catalogue Number	Stall Torque (Nm)	Rated Torque (Nm)	Rated Speed (rpm)	Rated Power (KW)	Torque Constant (Nm/Arms)	Voltage Constant (Vrms/krpm)	Resistance L-L @ 20°C (Ω)	Inductance L-L (mH)	Maximum Continuous Speed (rpm)	Rated Current (Arms)
MG8-200-20	20.00	18.30	2000	3.80	2.45	147.65	1.78	18.70	4000	7.50
MG8-200-30	20.00	16.10	3000	5.10	1.63	98.44	0.79	8.30	4000	9.90
MG8-280-20	28.00	24.70	2000	5.20	2.45	147.65	0.90	14.20	4000	10.10
MG8-280-30	28.00	22.00	3000	6.90	1.63	98.44	0.40	6.30	4000	13.50
MG8-360-20	36.00	30.10	2000	6.30	2.45	147.65	0.63	11.00	4000	12.30
MG8-360-30	36.00	28.00	3000	8.80	1.63	98.44	0.28	4.90	4000	17.20
MG8-420-20	42.00	36.10	2000	7.60	2.45	147.65	0.50	8.80	4000	14.80
MG8-420-30	42.00	32.50	3000	10.20	1.63	98.44	0.22	3.90	4000	19.90
MG8-560-20	56.00	44.50	2000	9.30	2.45	147.65	0.31	5.60	4000	18.20
MG8-560-30	56.00	37.00	3000	11.60	1.63	98.44	0.15	2.70	4000	22.70
MG8-680-20	68.00	50.90	2000	10.70	2.45	147.65	0.23	4.70	4000	20.80
MG8-680-30	68.00	40.90	3000	12.80	1.63	98.44	0.10	2.10	4000	25.10
MG8-800-20	80.00	57.80	2000	12.10	2.45	147.65	0.18	4.10	4000	23.60
MG8-800-30	80.00	44.00	3000	13.80	1.63	98.44	0.08	1.80	4000	27.00

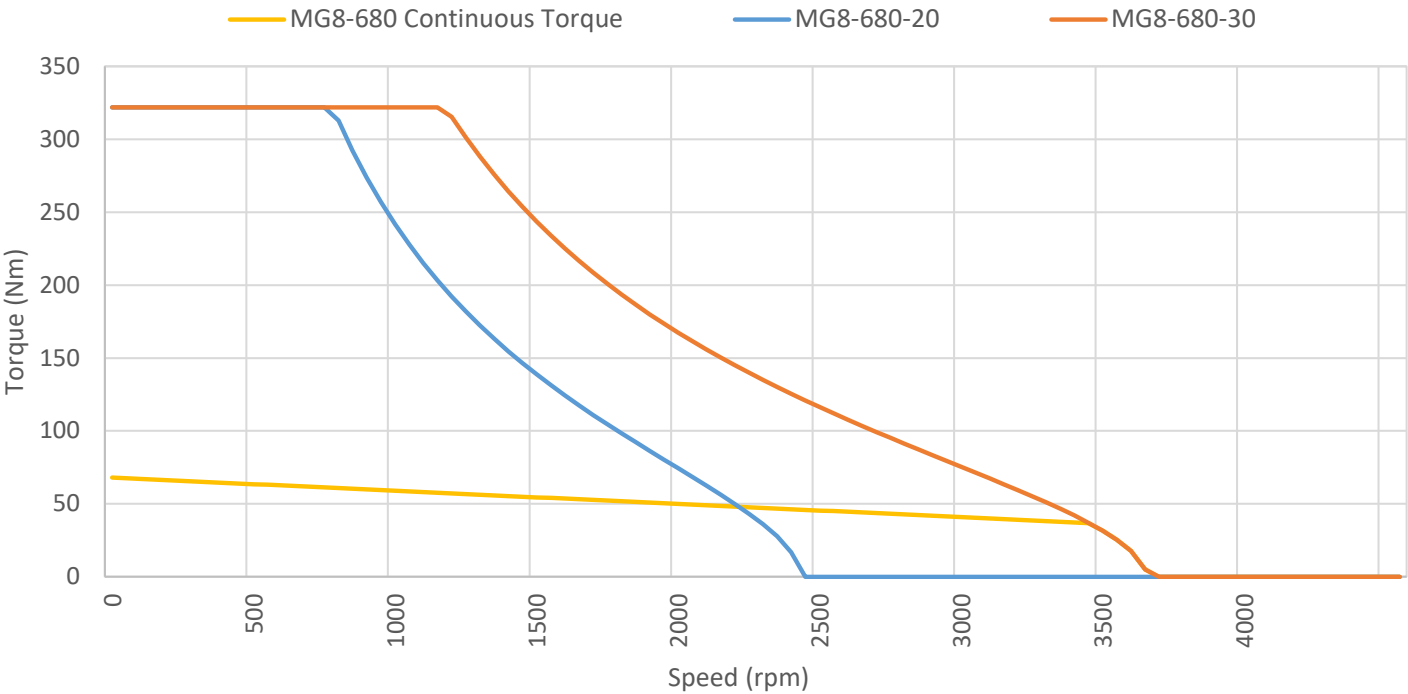
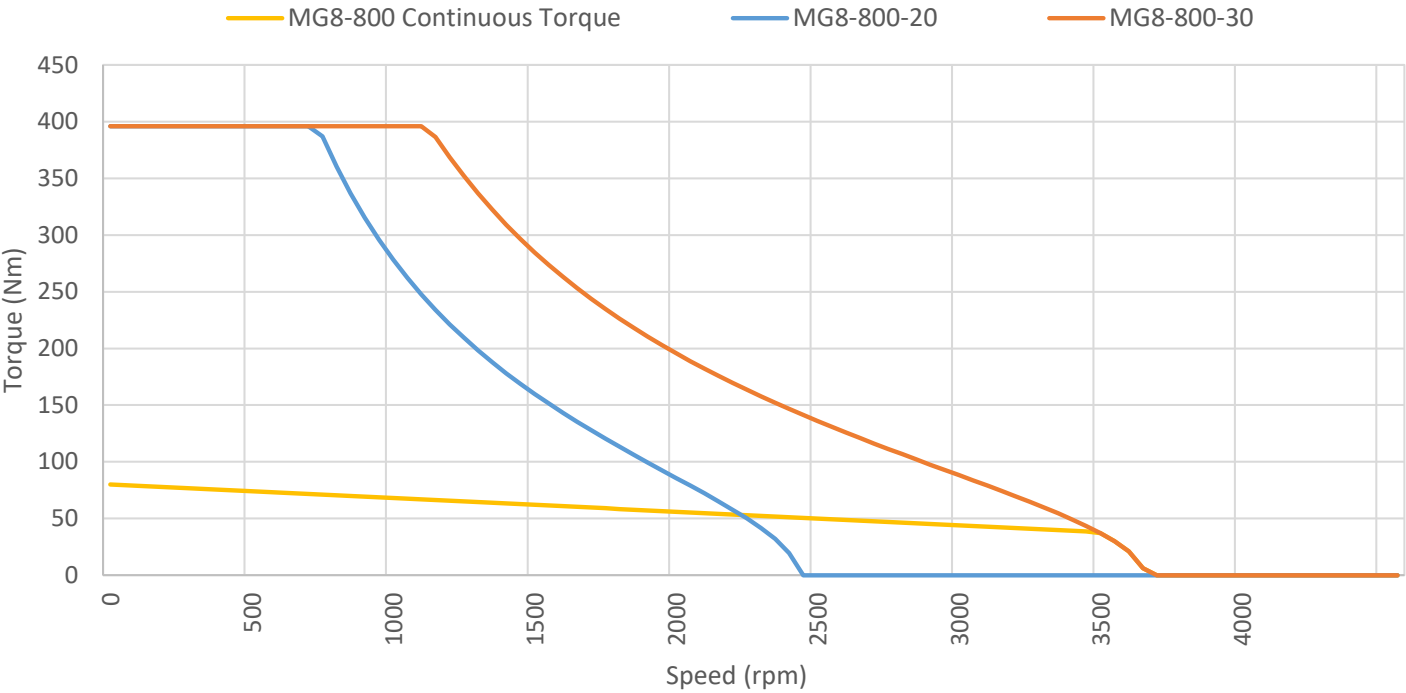
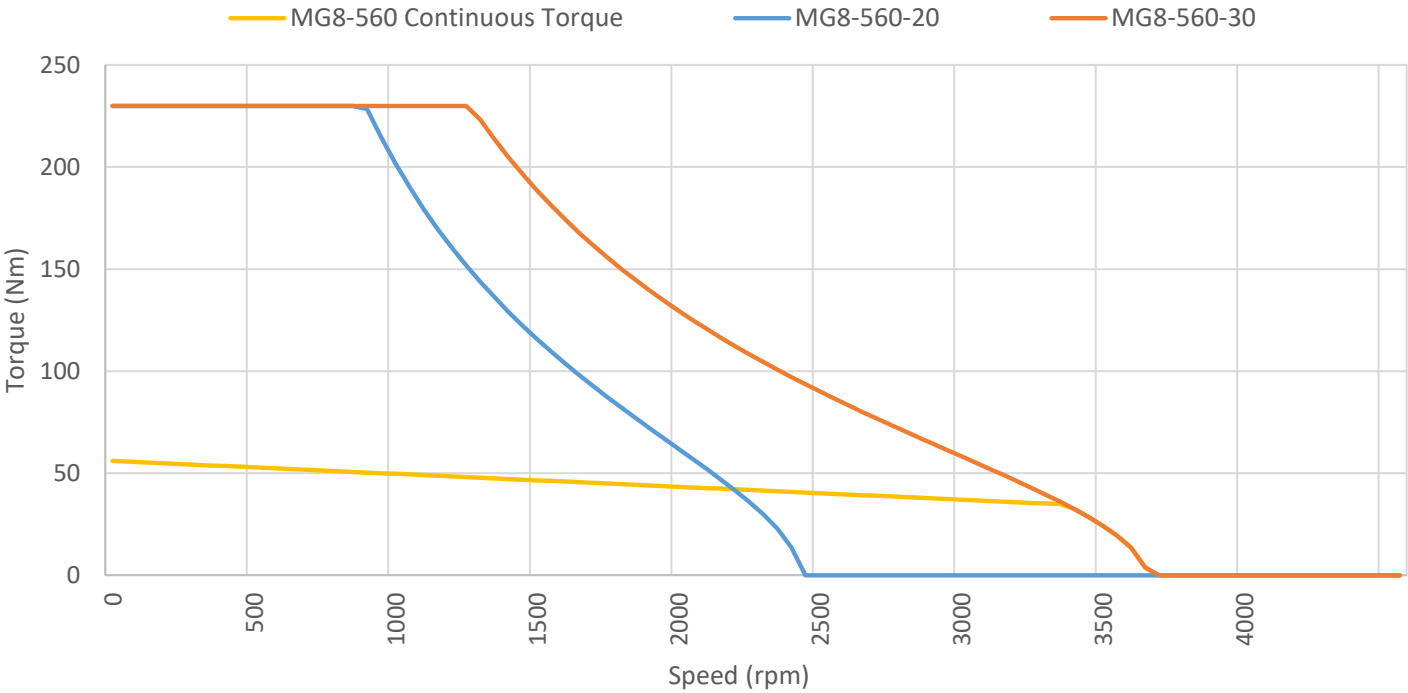
Stall Current (Arms)	Peak Torque (Nm)	Thermal Time Constant (min)	Moment Of Inertia (10 ⁻⁴ kg m ²)	Number Of Poles	Length With Sinusoidal 1Vpp Encoder (mm)	Max length with Digital or HDSL* Encoder (mm)	Weight Without Brake (kg)	Weight With Brake (kg)	Brake Additional Length (mm)	Connector Size
8.20	75.00	32.00	33.00	10	210.00	223.00	17.00	22.00	30.00	M23
12.30	75.00	32.00	33.00	10	210.00	223.00	17.00	22.00	30.00	M23
11.40	108.00	37.00	46.00	10	233.00	246.00	21.00	26.00	30.00	M23
17.20	108.00	37.00	46.00	10	233.00	246.00	21.00	26.00	30.00	M23
14.70	144.00	41.00	60.00	10	255.00	268.00	25.00	30.00	30.00	M23
22.10	144.00	41.00	60.00	10	255.00	268.00	25.00	30.00	30.00	M23
17.20	180.00	46.00	74.00	10	278.00	291.00	30.00	35.00	30.00	M23
25.80	180.00	46.00	74.00	10	278.00	291.00	30.00	35.00	30.00	M23
22.90	230.00	56.00	102.00	10	323.00	336.00	38.00	43.00	30.00	M23
34.40	230.00	56.00	102.00	10	339.00	352.00	38.00	43.00	30.00	M40
27.80	322.00	65.00	130.00	10	372.00	385.00	47.00	52.00	30.00	M40
41.70	322.00	65.00	130.00	10	372.00	385.00	47.00	52.00	30.00	M40
32.70	396.00	74.00	158.00	10	417.00	430.00	55.00	60.00	30.00	M40
49.10	396.00	74.00	158.00	10	417.00	430.00	55.00	60.00	30.00	M40

*HDSL- Hiperface DSL

MG8 - 400V



MG8 - 400V





COMMANDER

Designed to allow human operators to seamlessly monitor and interact with processed data, providing a cutting-edge user experience. Commander gives you the power to build custom interfaces with rich visuals, filled with custom intelligence and functionality, with no programming skills required.

Functionality

- Powerful but simple spreadsheet-like expression evaluation
- Flexible scripting using IronPython

Support

- Flexible scripting can be extended using IronPython

Fully Customisable

- Change appearance/colour easily with in-built skinning/theming to reflect individual branding
- Select from the vast in-built library or create your own widgets and styles
- Advanced plugin system

Facade

- Visually stunning
- Skin can be fully customised to reflect individual branding

Run Time Configurable

- Create or modify your interface live
- Seamlessly move and re-arrange any visual (button, text, image, etc.) to suit individual business requirements

Screen

- Touch-screen friendly design and operation
- Designed for Windows® desktop
- Vector-based (scalable) and Resolution independent



AMCORE

AMCore allows you to program CNC motion control software. Core kinematics allow machine joints to be mapped to real world machine coordinates which simplify a complex machine into a number of easy to command axes. Our MPG feed retrace and active program edit features allow you to correct points immediately during a dry-run without the need to restart.

EPPL

- ISO G-code
- Mathematical expressions
- Subroutines
- Up to 3 concurrent NC programs

PLC Programming

- Powerful software-based PLC and compiler integrated
- IEC61131/61499 compatible PLC for graphical ladder

CNC Connect

- Access system status, machine position
- Manage execution of NC programs
- Read and write configuration parameters
- Send and receive data and commands



MOTIONBENCH

MotionBench is a software application designed to make the task of commissioning and tuning digital servo drives easy. Update drive code, run tuning algorithms, load parameters, and view the system response in a few simple clicks. Connect and configure multiple drives simultaneously and recall customised settings at any time.

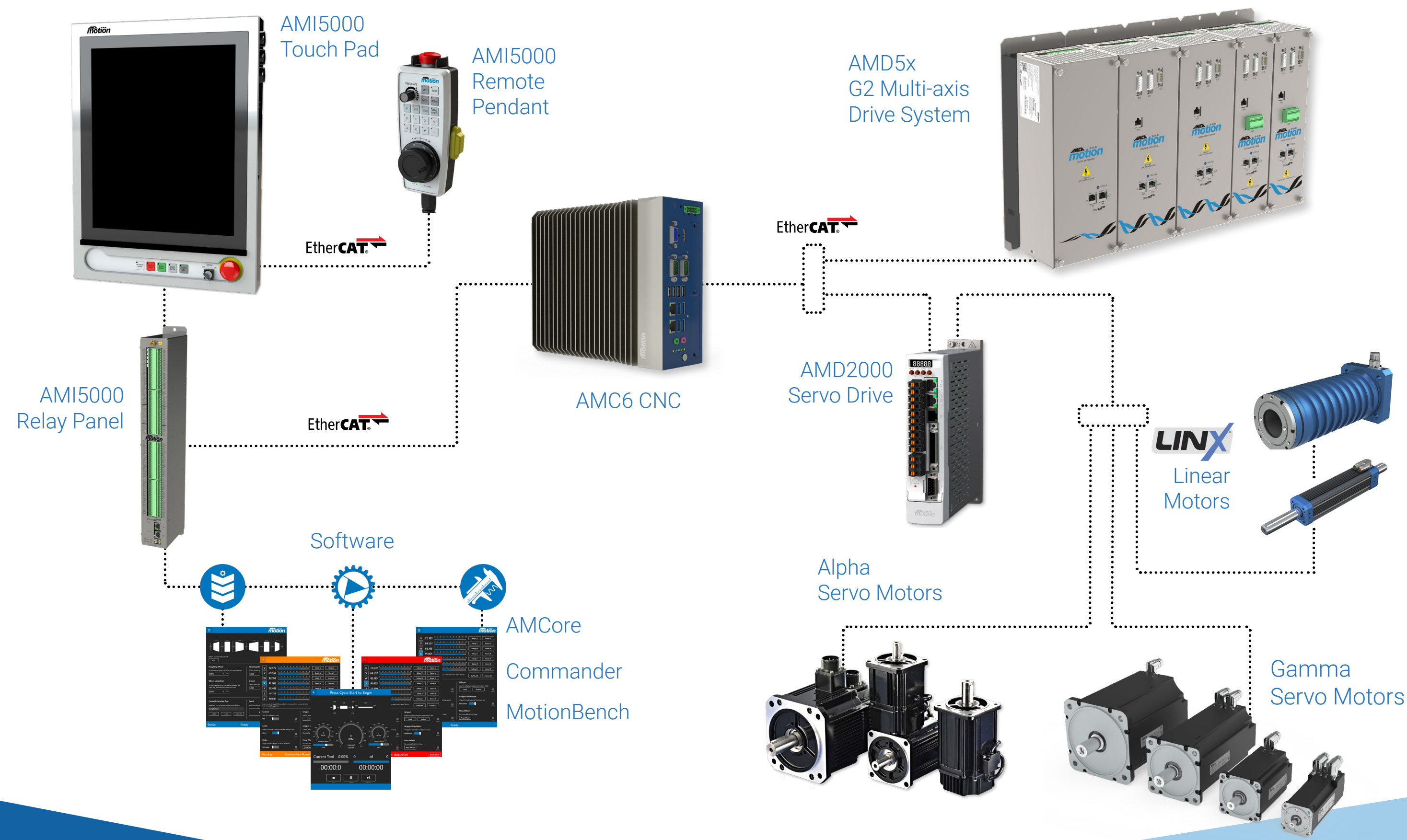
Functionality

- Connect to multiple drives simultaneously
- Configure motor settings
- Tune system parameters
- Drive data logger

Support

- Customised solutions tailored to your exacting requirements
- Ongoing support through your products lifecycle

PRODUCT RANGE





GLOBAL NETWORK OF SERVICE CENTRES

ANCA Motion have an extensive global network of service channels. Our service technicians are OEM factory trained and are one of the most experienced service teams in the world. We deliver the highest standard of customer service which is maintained throughout the entire life of the product.

SOFTWARE AND HARDWARE UPGRADE PROGRAMS

ANCA Motion control systems are known to have a long service life and software and hardware is updated frequently. Our service team can assist you with updates to take advantage of more recent technology.

TECHNICAL QUERIES AND APPLICATION SUPPORT

Our factory trained service team can provide technical support and advice to keep your control solution running and in peak performance.

REPLACEMENT PARTS

ANCA Motion can provide original equipment replacement parts to ensure the highest quality of operation throughout your control systems lifetime.

TRAINING

Application training can be made available when a control solution is installed or at a later date. Training is provided on site and in a wide range of topics to encompass every aspect of your company's needs.



ANCA is a global business with three main business groups; ANCA CNC Machines, ANCA Motion and ANCA Sheet Metal Solutions. ANCA specialises in the design and manufacture of machine tools, motion control systems and metal fabrication.

ANCA has achieved market leadership through innovation and a commitment to research and development. With our head office in Melbourne, Australia, we have a network of overseas branches and over 1000 employees worldwide.



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