



The B07 combines enviable dimension/torque and dimension/power ratios with extremely compact and attractive design. With a 75 mm squared frame size, depending on the length of the stator pack, this model covers torque values from 1.1 Nm to 3.2 Nm.

The B07 is a sinusoidal current brushless 6-pole motor, the ideal solution for industrial automation applications that require the highest axial control performance.

Feedback is acquired by resolver for windings at 230V and 400V

For feedback via absolute or incremental encoder, please contact technical department.

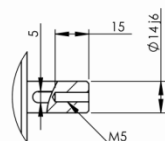
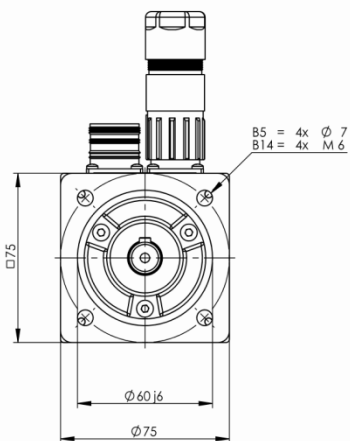
The B07 motor is controlled by drive supplied 3 x 380 ... 400VAC, 50 / 60Hz

Preset specific parameters for motors with winding at 230 V

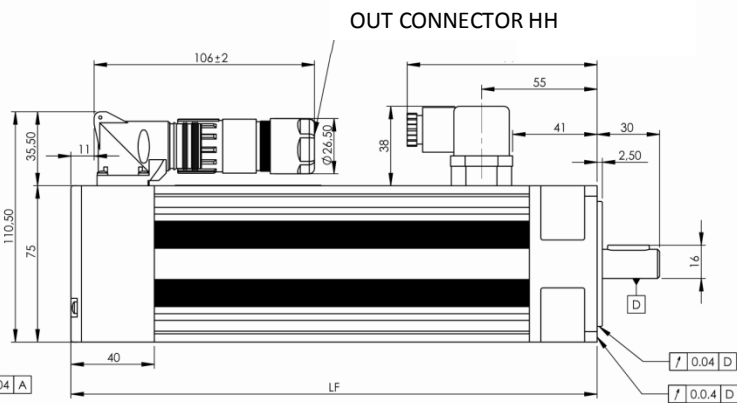
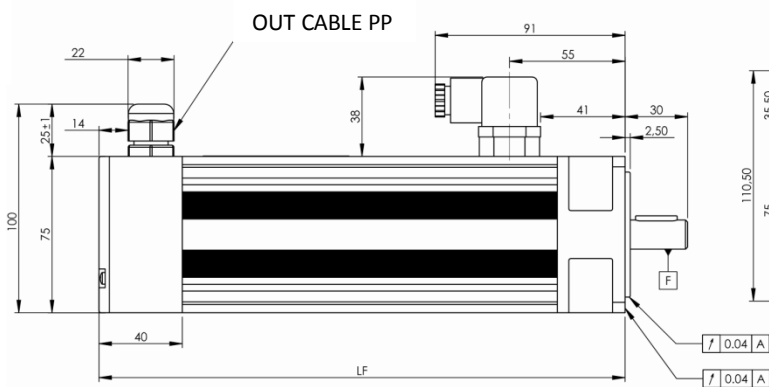
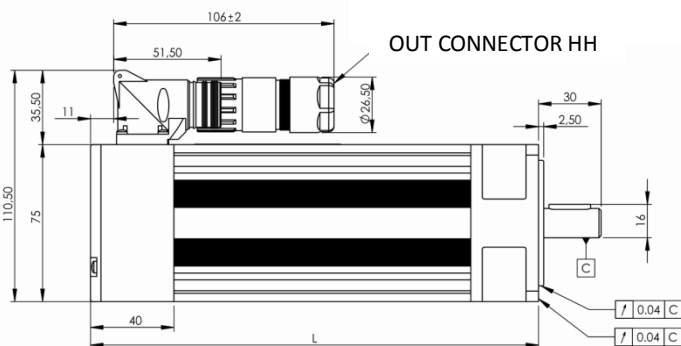
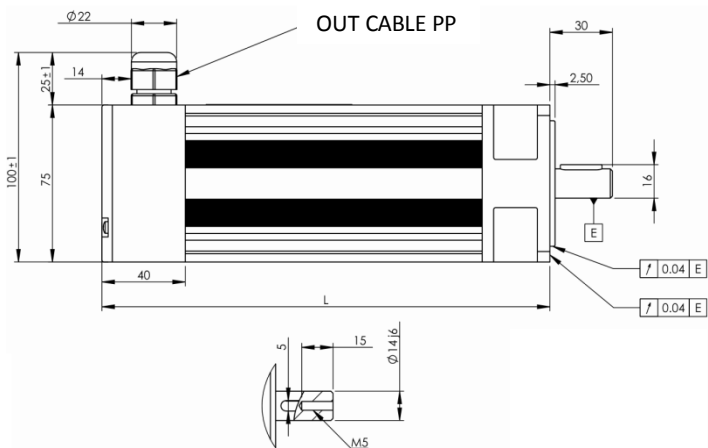
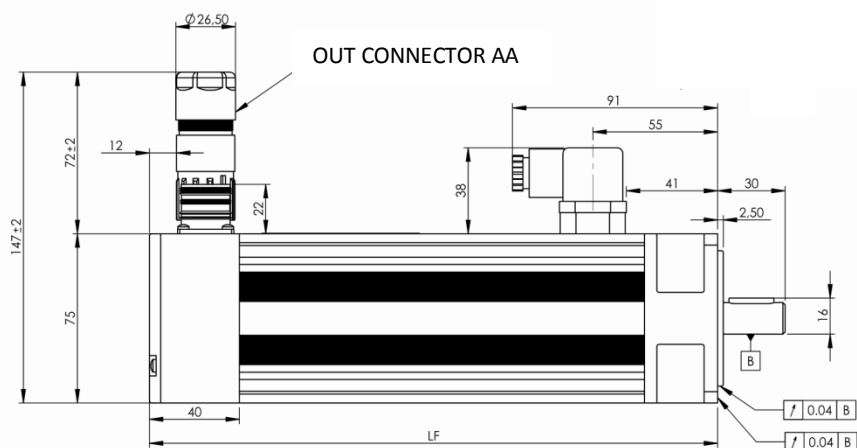
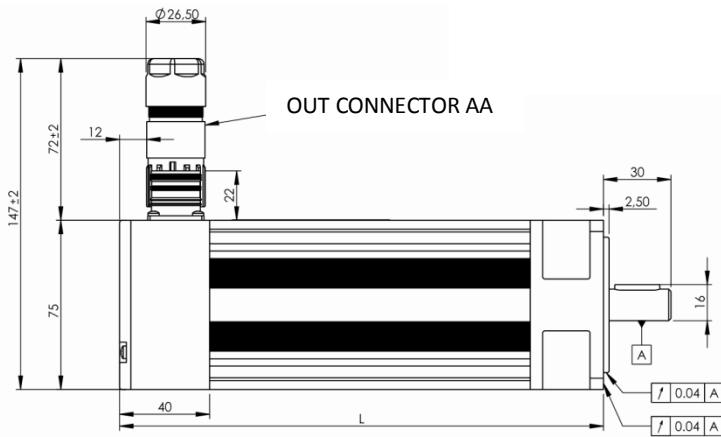
Brake: Also available in a version with permanent magnet emergency brake and without backlash.

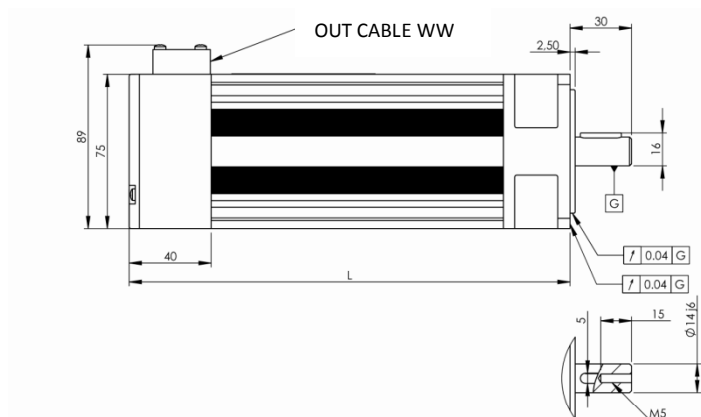


Brushless Motor		TYPE B07							
Size		B07S		B07M		B07L		B07G	
Drive operating voltage		230V	400V	230V	400V	230V	400V	230V	400V
Continuous stall torque	[Nm]	1.10	1.10	1.90	1.90	2.45	2.45	3.20	3.20
Rated speed	[RPM]	3000							
Power at rated speed	[W]	351	351	622	622	820	820	1077	1077
Peak torque with S.I.R.10% [Nm]	[Nm]	2.97	2.97	5.13	5.13	6.62	6.62	8.64	8.64
Rotor Inertia	[mkgm ²]	0.048		0.084		0.120		0.156	
Rotor Inertia with brake	[mkgm ²]	0.079		0.115		0.151		0.187	
Weight	[kg]	2.20		3.00		3.85		4.75	
Weight with brake	[kg]	2.50		3.30		4.15		5.05	
E.M.F. constant 20°C	[Vs]	0.54	0.92	0.54	0.85	0.54	0.92	0.51	0.84
Torque constant	[Nm/Arms]	0.93	1.59	0.93	1.47	0.93	1.59	0.88	1.46
Winding Resistance 20°C	[Ohm]	26.64	80.90	9.60	27.61	5.42	15.79	3.58	10.37
Phase/phase inductance 50Hz	[mH]	47.50	137.60	19.30	51.20	11.60	37.00	8.60	25.70
Rated voltage 100°C	[V]	211	364	196	316	188	323	179	297
Continuous stall current	[A]	1.19	0.69	2.04	1.29	2.64	1.54	3.63	2.20
Current at rated speed	[A]	1.20	0.70	2.12	1.34	2.82	1.64	3.89	2.36
Peak current	[A]	3.20	1.87	5.50	3.48	7.14	4.16	9.79	5.93
Demagnetising current	[A]	7.44	4.37	14.16	8.29	21.00	12.21	27.58	16.47
Length without brake	mm	155	155	185	185	215	215	245	245
Length with brake	mm	192.5	192.5	222.5	222.5	252.5	252.5	282.5	282.5
Brake parameters for B05									
Brake type		5	5	5	5	5	5	5	5
Stat. braking torque 100°C	[Nm]	4	4	4	4	4	4	4	4
Stat. braking torque 100°C	[W]	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
The data refer to tests conducted with motors at 3000 rpm and a 100°C DT temperature with an external temperature of 20°C.									
The B07 is a 6-pole motor with Class H winding insulation and Class F motor insulation, IP65 standard protection, IC0041 natural air cooling, and 130°C PTC trigger threshold									

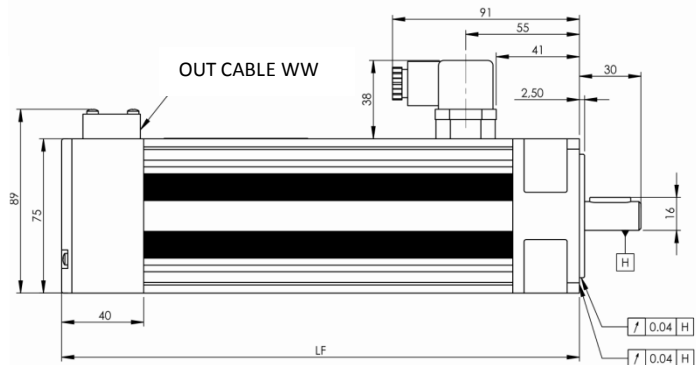
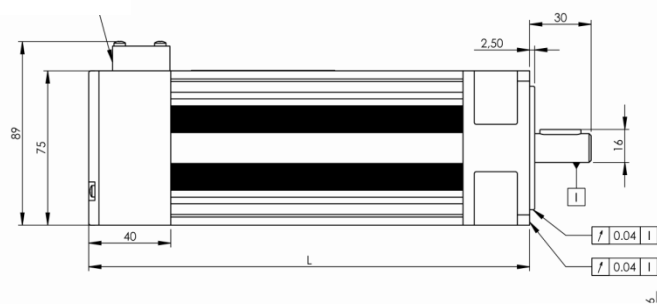


SIZE	STANDARD	WITH BRAKE
S	155	192.5
M	185	222.5
L	215	252.5
G	245	282.5
REF.	L	LF





OUT CABLE ZZ



OUT CABLE ZZ

