



Siboni S0402B/351

GENERAL CHARACTERISTICS

S0402B/351, customised for Tpa, is a brushless motor in 6 pole sinusoidal current, ideal when high performance for axis control is required.

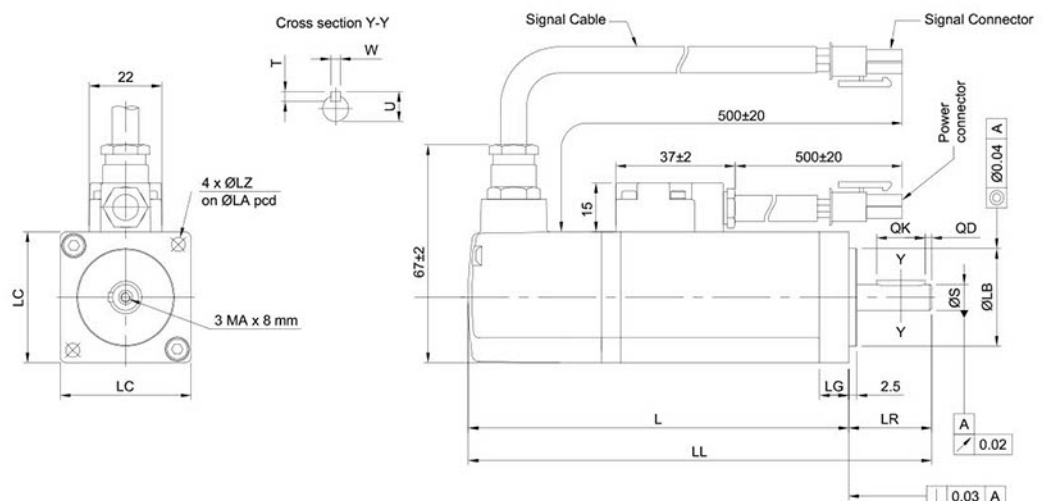


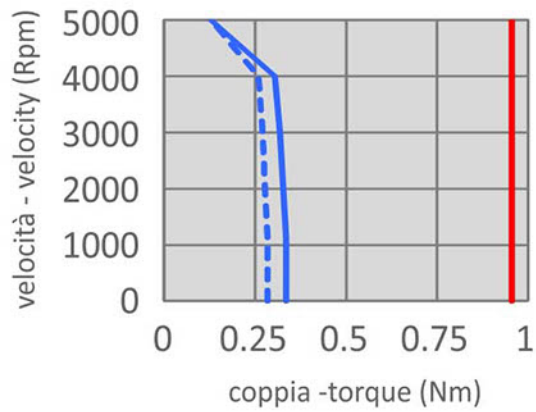
MECHANICAL DIMENSIONS

Type	L	LL	LR	LG	LC	LA	LZ	Sh6	LB	QK	QD	U	W	T
S0402B	119(159)	144.5(184.5)	25.5	9	40	46	4.3	8	30	15	2	9.2	3	3

The dimensions refer to motors with brake

TECHNICAL DIMENSIONS





PERFORMANCE AND SPECIFICATIONS

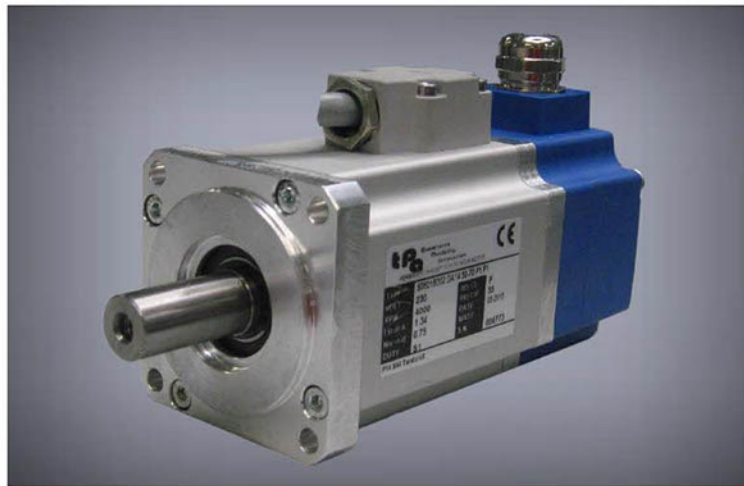
ΔT Max Windings	105 °C
Supply Voltage	230 Vac (three phase)
Rated Power	100 W
Stall torque	0.34 Nm
Stall current	0.5 A
Rated torque	0.32 Nm
Rated current	0.5 A (rms)
Instantaneous peak torque	0.96 Nm
Instantaneous peak current	1.50 A
Rated speed	3000 rpm
Maximum speed	5000 rpm
Torque constant ± 5%	0.660 Nm/A(rms)
Voltage constant ± 5%	40.0 Vrms /Krpm
Windingresistance ± 5%	68.8 ohm
Winding inductance	88.0 mH
Rotor moment of inertia	0.06 Kg m ² x 10 ⁻⁴
Mass	0.65 kg
Maximum radial load	120 N
Maximum axial load	80 N
Applicable transducer (Standard)	Encoder 5V line driver 2048 ppr
Operation	Continuous
Insulation class	Class F
Room temperature	0 to +40 °C
Protection rating	IP55
Closure	Totally enclosed, ventilated by natural convection
Mounting	Accoppiato a Flangia
Coupled with flange	250x250x6 mm



Siboni S0601B/302

GENERAL CHARACTERISTICS

S0601B/302, customised for Tpa, is a brushless motor in 6 pole sinusoidal current, ideal when high performance for axis control is required.

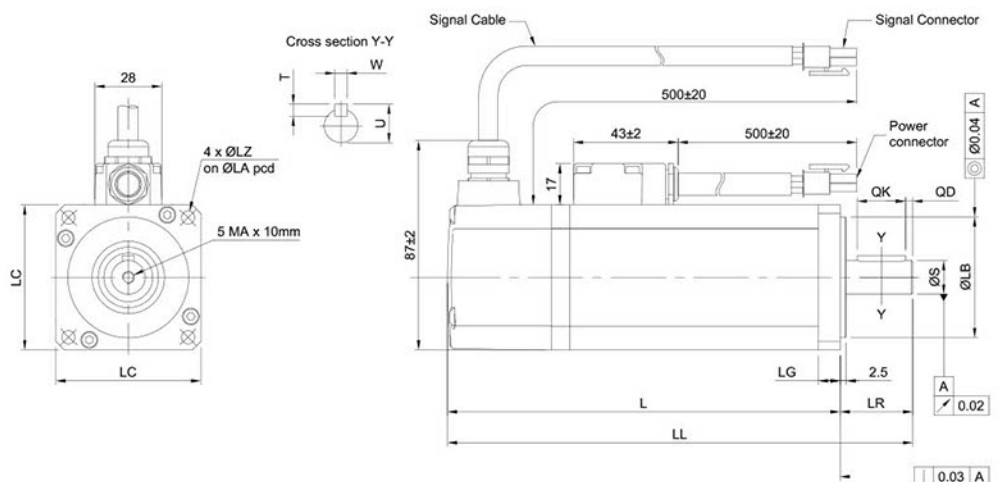


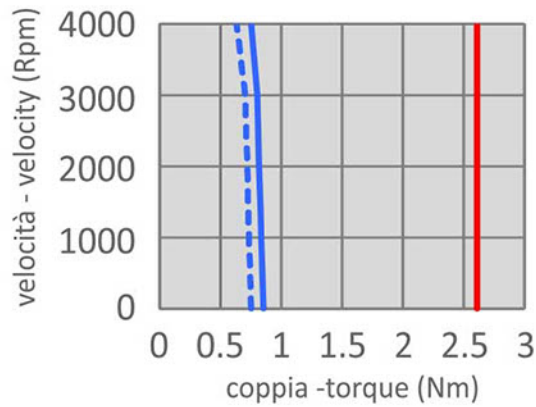
MECHANICAL DIMENSIONS

Type	L	LL	LR	LG	LC	LA	LZ	Sh6	LB	QK	QD	U	W	T
S0601B	128.5(173)	158.5(203)	30	10	60	70	5.5	14	50	20	3	16	5	5

The dimensions refer to motors with brake

TECHNICAL DIMENSIONS





PERFORMANCE AND SPECIFICATIONS

ΔT Max Windings	105 °C
Supply Voltage	230 Vac (three phase)
Rated Power	250 W
Stall torque	0.85 Nm
Stall current	1.4 A
Rated torque	0.80 Nm
Rated current	1.4 A (rms)
Instantaneous peak torque	2.6 Nm
Instantaneous peak current	4.90 A
Rated speed	3000 rpm
Maximum speed	4000 rpm
Torque constant ± 5%	0.600 Nm/A(rms)
Voltage constant ± 5%	36.3 Vrms /Krpm
Winding resistance ± 5%	12.41 ohm
Winding inductance	38.1 mH
Rotor moment of inertia	0.19 Kg m ² x 10 ⁻⁴
Mass	1.2 kg
Maximum radial load	250 N
Maximum axial load	80 N
Applicable transducer (Standard)	Encoder 5V line driver 2048 ppr
Operation	Continuous
Insulation class	Class F
Room temperature	0 to +40 °C
Protection rating	IP55
Closure	Totally enclosed, ventilated by natural convection
Mounting	Coupled with flange
Aluminum flange	250x250x6 mm



Siboni S0602B/301

GENERAL CHARACTERISTICS

S0601B/302, customised for Tpa, is a brushless motor in 6 pole sinusoidal current, ideal when high performance for axis control is required.

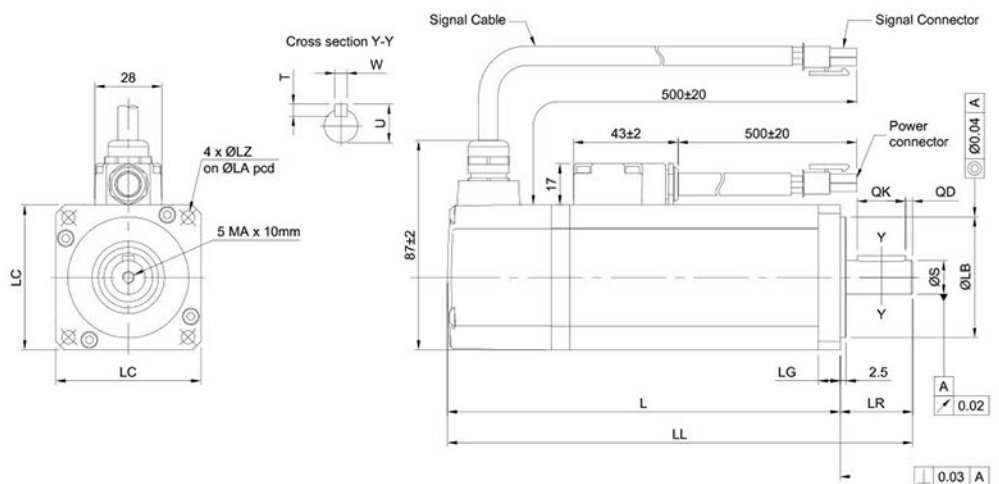


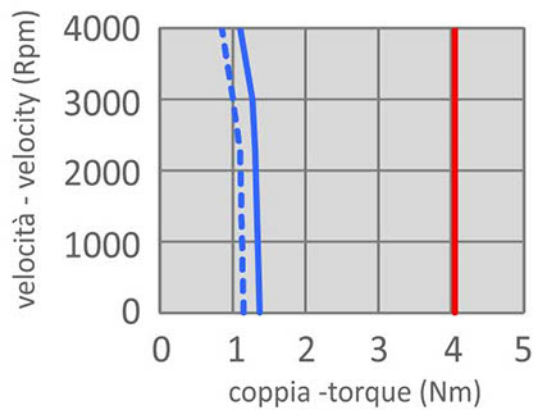
MECHANICAL DIMENSIONS

Type	L	LL	LR	LG	LC	LA	LZ	Sh6	LB	QK	QD	U	W	T
S0602B	163.5(208)	193.5(238)	30	10	60	70	5.5	14	50	20	3	16	5	5

The dimensions refer to motors with brake

TECHNICAL DIMENSIONS





PERFORMANCE AND SPECIFICATIONS

ΔT Max Windings	105 °C
Supply Voltage	230 Vac (three phase)
Rated Power	400 W
Stall torque	1.37 Nm
Stall current	1.9 A
Rated torque	1.27 Nm
Rated current	1.8 A (rms)
Instantaneous peak torque	4.1 Nm
Instantaneous peak current	6.70 A
Rated speed	3000 rpm
Maximum speed	4000 rpm
Torque constant ± 5%	0.736 Nm/A(rms)
Voltage constant ± 5%	44.6 Vrms /Krpm
Winding resistance ± 5%	8.47 ohm
Winding inductance	30.0 mH
Rotor moment of inertia	0.30 Kg m ² x 10 ⁻⁴
Mass	2.0 kg
Maximum radial load	250 N
Maximum axial load	80 N
Applicable transducer (Standard)	Encoder 5V line driver 2048 ppr
Operation	Continuous
Insulation class	Class F
Room temperature	0 to +40 °C
Protection rating	IP55
Closure	Totally enclosed, ventilated by natural convection
Mounting	Coupled with flange
Aluminum flange	250x250x6 mm



Siboni S0802B/375

GENERAL CHARACTERISTICS

S0802B/375, customised for Tpa, is a brushless motor in 6 pole sinusoidal current, ideal when high performance for axis control is required.

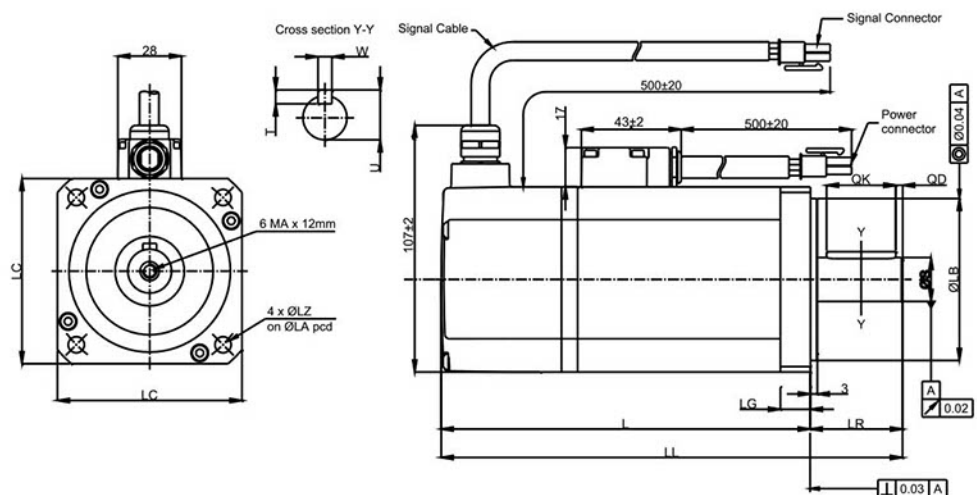


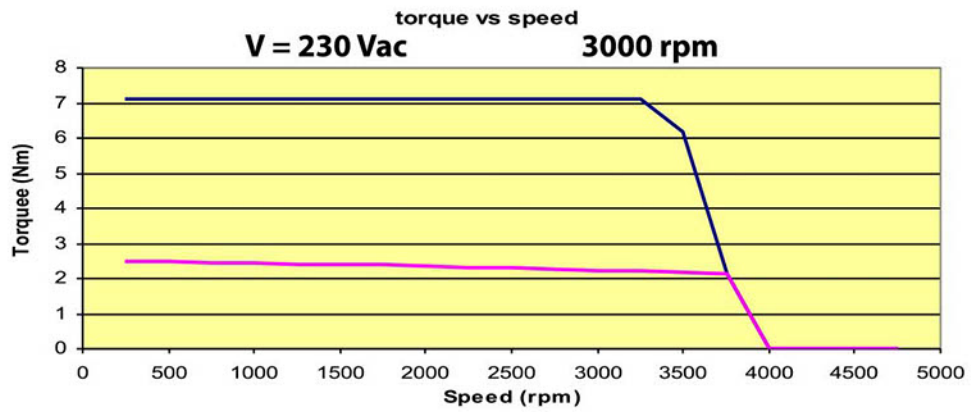
MECHANICAL DIMENSIONS

Type	L	LL	LR	LG	LC	LA	LZ	Sh6	LB	QK	QD	U	W	T
HS0802B	160(209)	200(249)	40	13	80	90	7	19	70	30	3	21,5	6	6

The dimensions refer to motors with brake

TECHNICAL DIMENSIONS





PERFORMANCE AND SPECIFICATIONS

ΔT Max Windings	105 °C
Supply Voltage	230 Vac (three phase)
Rated Power	750 W
Stall torque	2.4 Nm
Stall current	2.90 A
Rated torque	2.39 Nm
Rated current	2.75 A (rms)
Instantaneous peak torque	7.5 Nm
Instantaneous peak current	8.70 A
Rated speed	3000 rpm
Maximum speed	4000 rpm
Torque constant ± 5%	0.870 Nm/A(rms)
Voltage constant ± 5%	52.70 Vrms /Krpm
Winding resistance ± 5%	3.95 ohm
Winding inductance	29.50 mH
Rotor moment of inertia	0.614 Kg m ² x 10 ⁽⁻⁴⁾
Mass	3.1 kg
Maximum radial load	420 N
Maximum axial load	150 N
Applicable transducer (Standard)	Encoder 5V line driver 2048 ppr
Operation	Continuous
Insulation Class	Class F
Room temperature	0 to +40 °C
Protection rating	IP55
Closure	Totally enclosed, ventilated by natural convection
Mounting	Coupled with flange



Siboni S1201B/551

GENERAL CHARACTERISTICS

S1201B/551, customised for Tpa, is a brushless motor in 6 pole sinusoidal current, ideal when high performance for axis control is required.

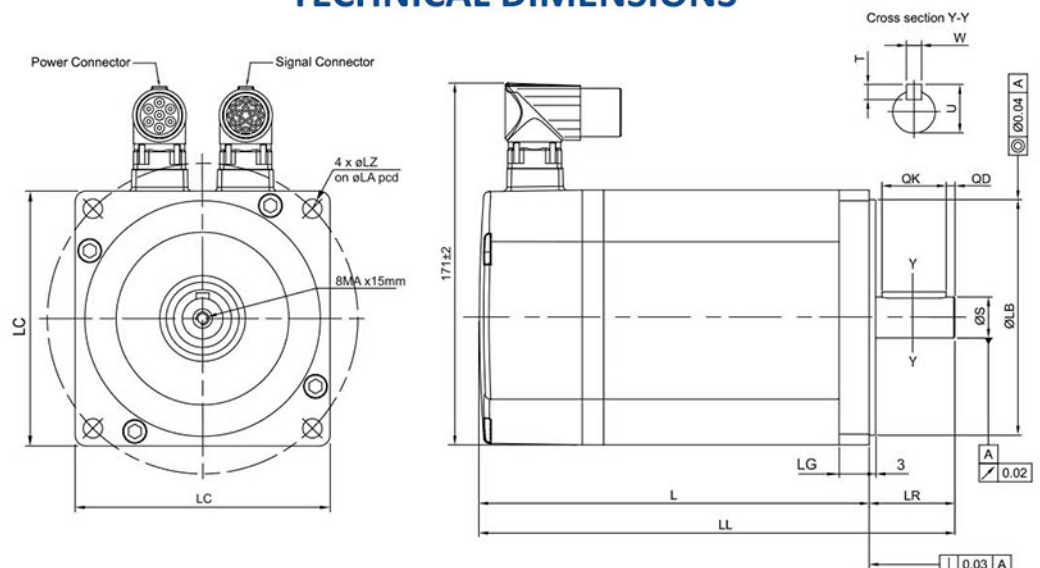


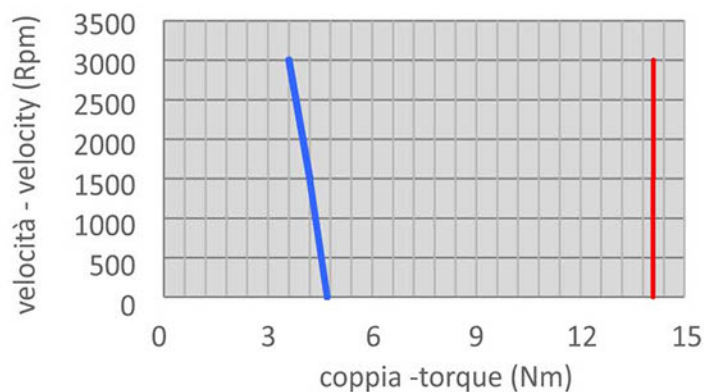
MECHANICAL DIMENSIONS

Type	L	LL	LR	LG	LC	LA	LZ	Sh6	LB	QK	QD	U	W	T
S0601B	182 (232)	222 (272)	40	14	119	145	9	19	110	30	4	21.5	6	6

The dimensions refer to motors with brake

TECHNICAL DIMENSIONS





PERFORMANCE AND SPECIFICATIONS

ΔT Max Windings	105 °C
Supply Voltage	230 Vac (three phase)
Rated Power	1150 W
Stall torque	4.7 Nm
Stall current	5.5 A
Rated torque	3.6 Nm
Rated current	4.7 A (rms)
Instantaneous peak torque	14.1 Nm
Instantaneous peak current	16.5 A
Rated speed	3000 rpm
Maximum speed	4000 rpm
Torque constant ± 5%	0.86 Nm/A(rms)
Voltage constant ± 5%	53.0 Vrms /Krpm
Winding resistance ± 5%	1.9 ohm
Winding inductance	6.2 mH
Rotor moment of inertia	7.3 Kg m ² x 10 ⁻⁴
Mass	6.7 kg
Maximum radial load	500 N
Maximum axial load	250 N
Applicable transducer (Standard)	Encoder 5V line driver 2048 ppr
Operation	Continuous
Insulation class	Class F
Room temperature	0 to +40 °C
Protection rating	IP55
Closure	Totally enclosed, ventilated by natural convection
Montaggio	Coupled with flange
Aluminum flange	250x250x6 mm



Siboni S1201B/552

GENERAL CHARACTERISTICS

S1201B/552, customised for Tpa, is a brushless motor in 6 pole sinusoidal current, ideal when high performance for axis control is required.

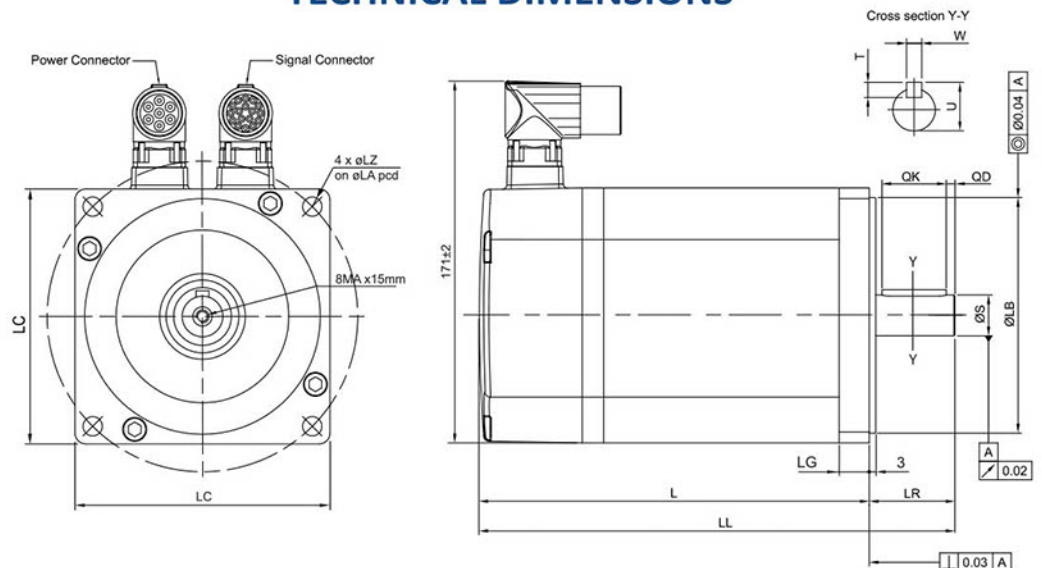


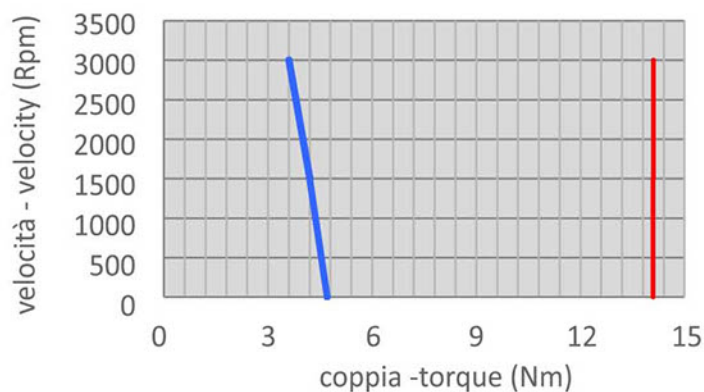
MECHANICAL DIMENSIONS

Type	L	LL	LR	LG	LC	LA	LZ	Sh6	LB	QK	QD	U	W	T
S0601B	182 (232)	222 (272)	40	14	119	145	9	19	110	30	4	21.5	6	6

The dimensions refer to motors with brake

TECHNICAL DIMENSIONS





PERFORMANCE AND SPECIFICATIONS

ΔT Max Windings	105 °C
Supply Voltage	400 Vac (three phase)
Rated Power	1150 W
Stall torque	4.7 Nm
Stall current	3.2 A
Rated torque	3.6 Nm
Rated current	2.6 A (rms)
Instantaneous peak torque	14.1 Nm
Instantaneous peak current	9.7 A
Rated speed	3000 rpm
Maximum speed	4000 rpm
Torque constant ± 5%	1.46 Nm/A(rms)
Voltage constant ± 5%	92.2 Vrms /Krpm
Winding resistance ± 5%	5.4 ohm
Winding inductance	18.5 mH
Rotor moment of inertia	7.3 Kg m ² x 10 ⁻⁴
Mass	6.7 kg
Maximum radial load	500 N
Maximum axial load	250 N
Applicable transducer (Standard)	Encoder 5V line driver 2048 ppr
Operation	Continuous
Insulation class	Class F
Room temperature	0 to +40 °C
Protection rating	IP55
Closure	Totally enclosed, ventilated by natural convection
Mounting	Coupled with flange
Aluminum flange	250x250x6 mm



Siboni S1401B/340

GENERAL CHARACTERISTICS

S1401B/340, customised for Tpa, is a brushless motor in 6 pole sinusoidal current, ideal when high performance for axis control is required.

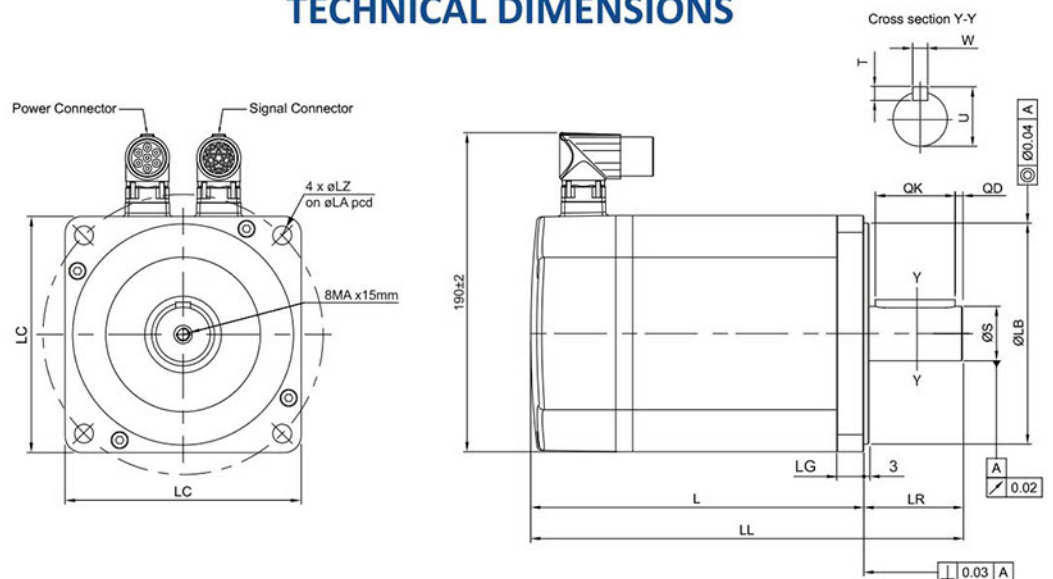


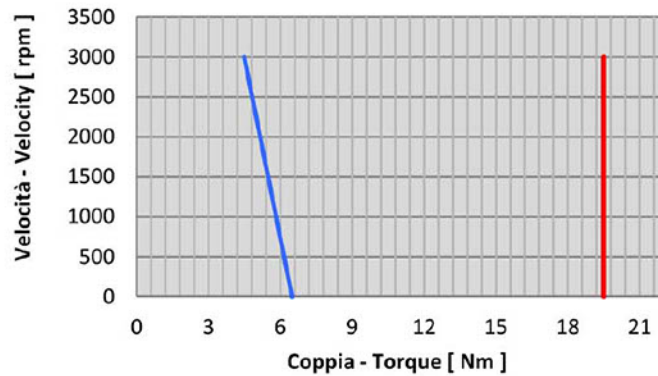
MECHANICAL DIMENSIONS

Type	L	LL	LR	LG	LC	LA	LZ	Sh6	LB	QK	QD	U	W	T
S01401B	196 (246)	246 (296)	50	16	139	165	11	24	130	40	4	27	8	7

The dimensions refer to motors with brake

TECHNICAL DIMENSIONS





PERFORMANCE AND SPECIFICATIONS

ΔT Max Windings	105 °C
Supply Voltage	400 Vac (three phase)
Rated Power	1400 W
Stall torque	6.5 Nm
Stall current	4.8 A
Rated torque	6.5 Nm
Rated current	3.8 A (rms)
Instantaneous peak torque	19.5 Nm
Instantaneous peak current	18.7 A
Rated speed	3000 rpm
Maximum speed	4000 rpm
Torque constant ± 5%	1.35 Nm/A(rms)
Voltage constant ± 5%	82.0 Vrms /Krpm
Winding resistance ± 5%	2.1 ohm
Winding inductance	25.0 mH
Rotor moment of inertia	19.5 Kg m ² x 10 ⁻⁴
Mass	7.0 kg
Maximum radial load	600 N
Maximum axial load	300 N
Applicable transducer (Standard)	Encoder 5V line driver 2048 ppr
Operation	Continuous
Insulation class	Class F
Room temperature	0 to +40 °C
Protection rating	IP55
Closure	Totally enclosed, ventilated by natural convection
Mounting	Coupled with flange
Aluminum flange	250x250x6 mm