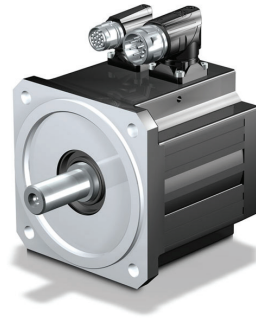


EZ802 Servo Motor

Technical Data Sheet



	3000 RPM		4500 RPM		Units
	Convection	Fan	Convection	Fan	
Model	EZ802U_136	EZ802B_136	EZ802U_090	EZ802B_090	
Max Bus Voltage	650	650	650	650	VDC
Number of Poles	16	16	16	16	
Back EMF	136	136	90	90	V/rpm
Nominal Torque	22.3	34.3	10.5	30.6	Nm
Nominal Current	13.9	26.5	11.2	30.5	A
Torque Factor	1.6	1.29	0.94	1.0	Nm/A
Rated Power	7	11	5	14	kW
Standstill Torque	37.1	47.9	34.5	47.4	Nm
Standstill Current	22.3	28.9	33.3	45.1	A
Torque Constant	1.68	1.67	1.05	1.06	Nm
Friction Torque	0.3	0.3	0.3	0.3	Nm
Max Torque	100	100	100	100	Nm
Max Current	84	84	135	135	A
Resistance	0.3	0.3	0.13	0.13	ohms
Inductance	5	5	1.9	1.9	mH
Electrical Time Constant	16.66	16.66	14.6	14.6	ms
Inertia	58	58	58	58	kgcm ²
Weight	26.6	31.6	26.6	31.6	kg

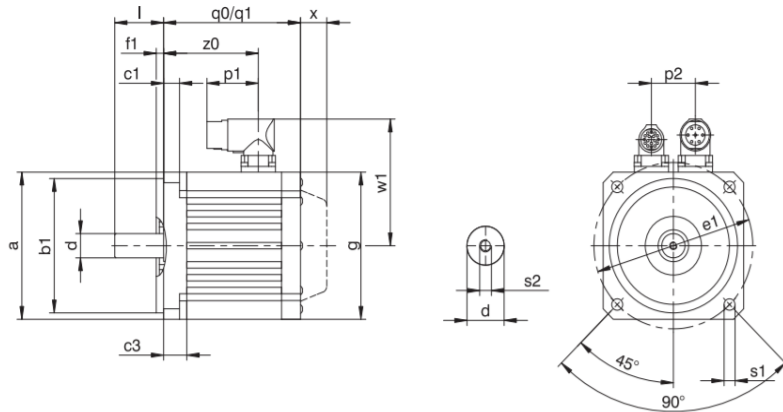
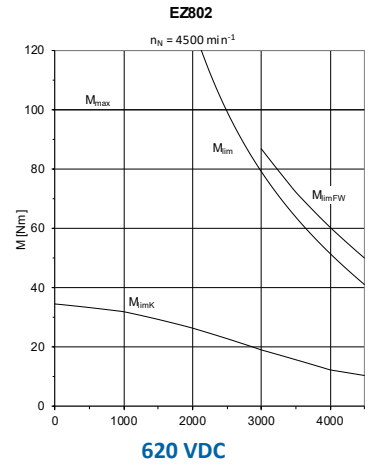
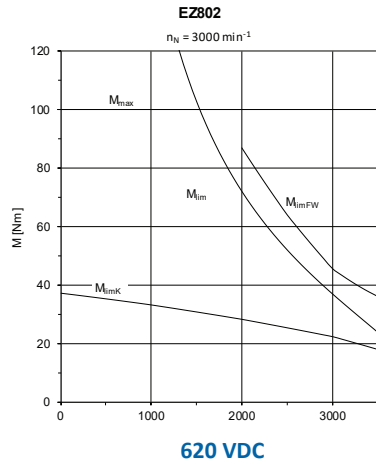
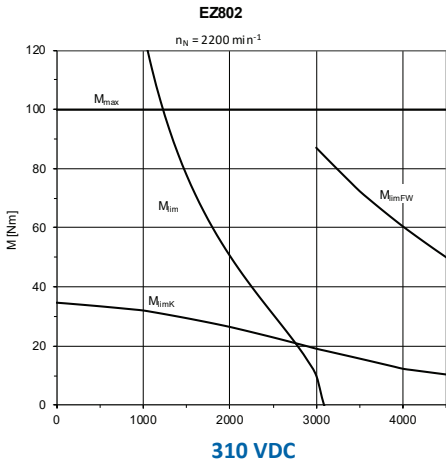


Table 1 EZ802 With Convection Cooling Dimensions (mm)

	a	b1	c1	c3	d	e1	f1	g	l	p1	p2	q0 ¹⁾	q1 ²⁾	s1	s2	w1	x ³⁾	z0	
EZ802U	190	180 _{j6}	15	25	32 _{k6}	215	3.5	190	58	71	60	222	299	13.5	M12	156.5		22	168

- 1) q0 applies to motors without holding brake.
- 2) q1 applies to motors with holding brake.
- 3) x applies to encoders based on an optical measuring principle.

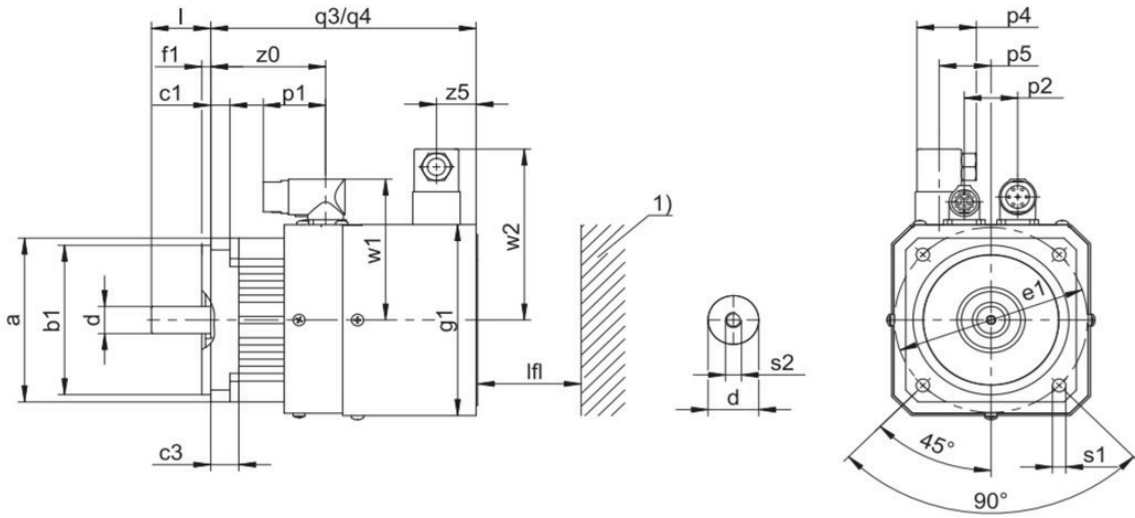


Table 2 EZ802 With Forced Ventilation Dimensions (mm)

	a	b1	c1	c3	d	e1	f1	g1	l	lfl _{min}	p1	p2	p4	p5	q3 ¹⁾	q4 ²⁾	s1	s2	w1	w2	z0	z5
EZ802B	190	180 _{j6}	15	25	32 _{k6}	215	3.5	215	58	30	71	60	37.5	62	322	399	13.5	M12	156.5	160	168	40

- 1) q3 applies to motors without holding brake.
- 2) q4 applies to motors with holding brake.
- 3) 1) applies to machine wall