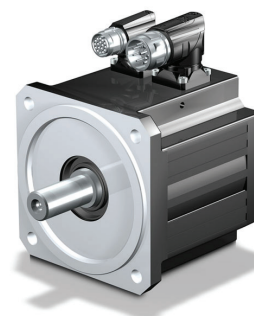


EZ701 Servo Motor

Technical Data Sheet



	3000 RPM		6000 RPM		Units
	Convection	Fan	Convection	Fan	
Model	EZ701U_095	EZ701B_095	EZ701U_076	EZ701B_076	
Max Bus Voltage	650	650	650	650	VDC
Number of Poles	14	14	14	14	
Back EMF	95	95	76	76	V/rpm
Nominal Torque	7.4	9.7	5.2	7.5	Nm
Nominal Current	7.2	9.5	6.68	10.6	A
Torque Factor	1.03	1.02	0.78	0.71	Nm/A
Rated Power	2.3	3.1	3.3	4.7	kW
Standstill Torque	8.3	10.5	7.9	10.2	Nm
Standstill Current	8	10	9.38	12.4	A
Torque Constant	1.07	1.07	0.87	0.84	Nm
Friction Torque	0.24	0.24	0.24	0.24	Nm
Max Torque	20	20	20	20	Nm
Max Current	25	25	31	31	A
Resistance	1.3	1.3	0.87	0.87	ohms
Inductance	12.83	12.83	8.13	8.13	mH
Electrical Time Constant	9.87	9.87	9.34	9.34	ms
Inertia	8.5	8.5	8.5	8.5	kgcm ²
Weight	8.3	13.3	8.3	13.3	kg

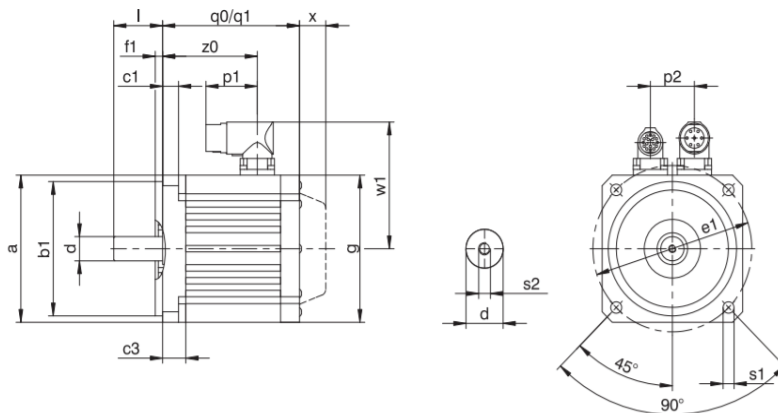
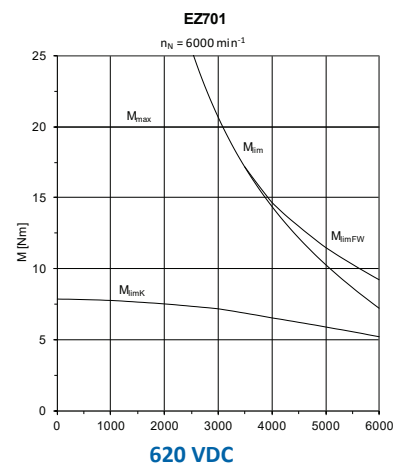
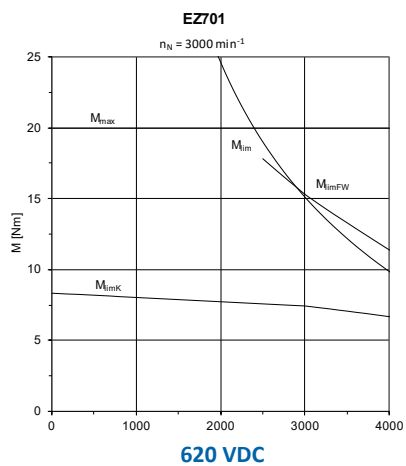
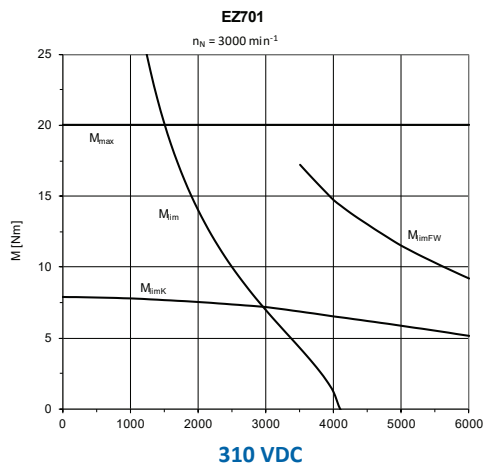


Table 1 EZ701 With Convection Cooling Dimensions (mm)

	a	b1	c1	c3	d	e1	f1	g	l	p1	p2	q0 ¹⁾	q1 ²⁾	s1	s2	w1	x ³⁾	z0
EZ701U	145	130 _{j6}	10	19	24 _{k6}	165	3.5	145	50	40	42	121	180	11	M8	115	22	83

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.

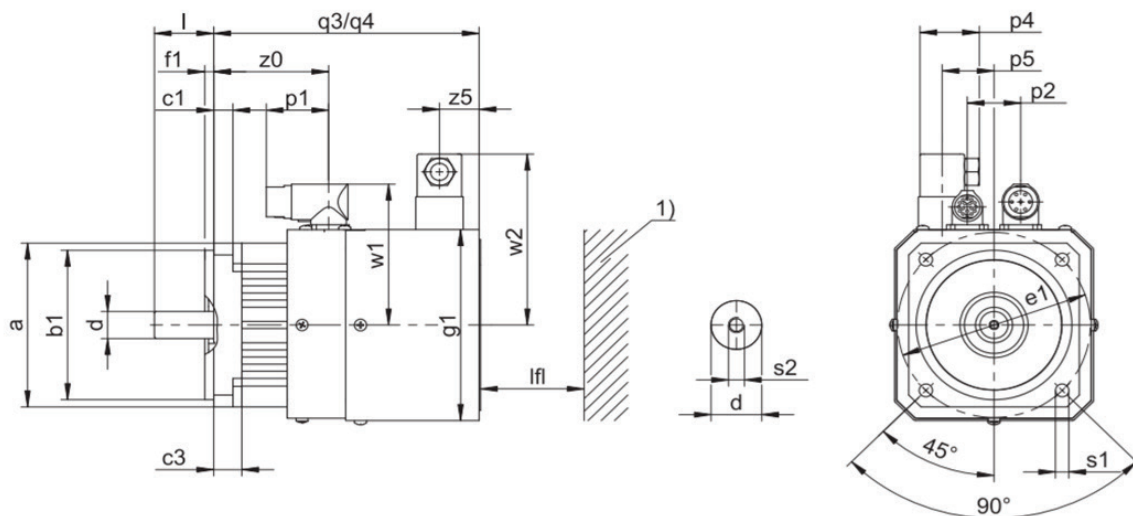


Table 2 EZ701 With Forced Ventilation Dimensions (mm)

	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
EZ701B	145	130 _{j6}	10	19	24 _{k6}	165	3.5	165	50	30	40	42	37.5	0	213	272	11	M8	115	134	83	40

1) q3 applies to motors without holding brake.

2) q4 applies to motors with holding brake.

3) 1) applies to machine wall