

Single-phase asynchronous motor

Properties:	Connection:	230 V / 50 Hz AC system , optional designs for 110 V / 60 Hz or other voltages / frequencies Running capacitor required Cable connection, optional plug-in connector
	Service life:	20,000 hours, S1 duty
	Insulation mat. class:	B, optional F
	System of protection:	IP 40
	Special model:	Design for short-time duty with high performance Alloy rotor for higher starting torque
	Options:	Thermal protection, special shafts, custom designed

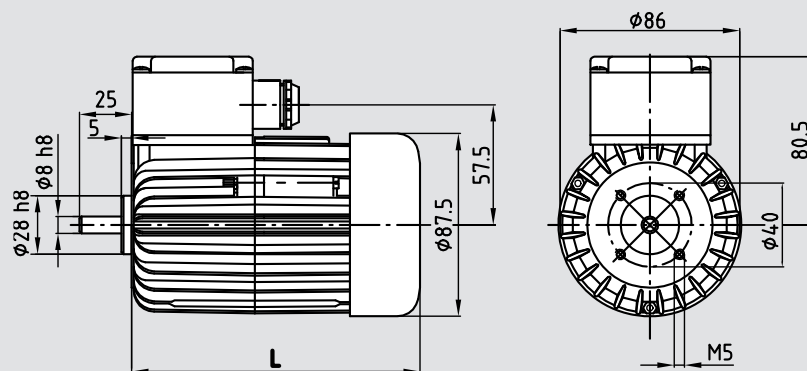


Type	Name			Eg 7120-2	Eg 7140-2	Eg 7150-2
	Nominal voltages	U	AC voltage	230	230	230
Specification	Nominal power	P ₂	W	22	72	89
	Nominal speed	N _{nom}	rpm	2750	2750	2750
	Nominal torque	T _{nom}	Ncm	7.5	25.0	31.0
	Starting torque	T _A	Ncm	6.5	20.0	21.0
	Nominal current	I _{nom}	mA	270	590	700
	No-load current	I ₀	mA	270	590	870
Characteristics	Locked rotor speed	n _{break}	rpm	2200	2200	2200
	Locked rotor torque	T _{break}	Ncm	14.5	42.0	55.0
	Nominal efficiency	η		0.33	0.50	0.58
Connection	Terminal resistance	R	Ohm	215	73	50
	Input power	P ₁	W	65	140	155
	Running capacitor	C	μF	2.0	5.0	6.0
Dynamics	Weight	m	kg	1.2	1.7	2.0
	Moment of inertia	J	gcm ²	219	376	455
Thermal	Adm. ambient temperature	T _a	°C	-20 to +40	-20 to +40	-20 to +40
	Max. adm. stator temperature	T _{max}	°C	+120	+120	+120
Coupling	Shaft diameter	d	mm	8	8	8
	Max. axial force	F _a	N	20	20	20
	Max. radial force	F _r	N	220	220	220

Dimensions

Type | L / mm

Eg 71202	118
Eg 71402	138
Eg 71502	138



System technology

Recommended combinations
other gears and extensions upon request

Worm gear	GS 3
Spur gear	Z 8
Planetary gear	PM 60

Rotary encoder	upon request
Brake	upon request

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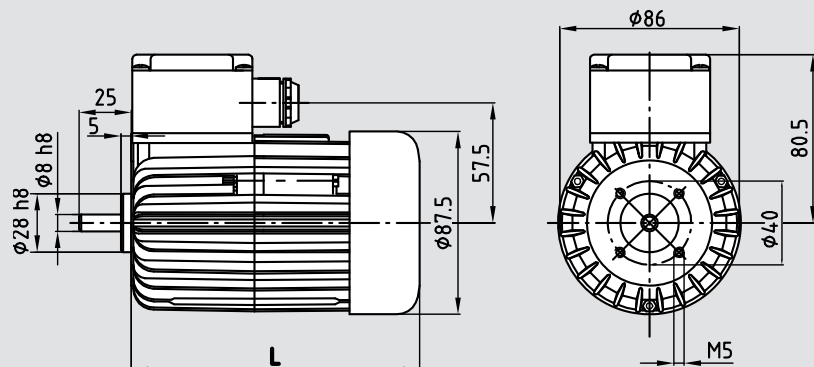
Properties:	Connection:	230 V / 50 Hz AC system , optional designs for 110 V / 60 Hz or other voltages / frequencies Running capacitor required Cable connection, optional plug-in connector
	Service life:	20,000 hours, S1 duty
	Insulation mat. class:	B, optional F
	System of protection:	IP 00
	Special model:	Design for short-time duty with high performance Alloy rotor for higher starting torque
	Options:	Thermal protection, special shafts, custom designed



Type	Name			Eg 7120-4	Eg 7140-4	Eg 7150-4
	Nominal voltages	U	AC voltage	230	230	230
Specification	Nominal power	P ₂	W	12	26	29
	Nominal speed	N _{nom}	rpm	1300	1300	1300
	Nominal torque	T _{nom}	Ncm	9	19.0	21.0
	Starting torque	T _A	Ncm	8	18.0	19.0
	Nominal current	I _{nom}	mA	260	350	360
	No-load current	I ₀	mA	270	590	600
Characteristics	Locked rotor speed	n ^{break}	rpm	2200	2200	2200
	Locked rotor torque	T _{break}	Ncm			
	Nominal efficiency	η		0.33	0.50	0.58
Connection	Terminal resistance	R	Ohm	215	73	50
	Input power	P ₁	W	65	140	155
	Running capacitor	C	μF	3.0	5.0	6.0
Dynamics	Weight	m	kg	1.2	1.7	2.0
	Moment of inertia	J	gcm ²	219	376	455
Thermal	Adm. ambient temperature	T _a	°C	-20 to +40	-20 to +40	-20 to +40
	Max. adm. stator temperature	T _{max}	°C	+120	+120	+120
Coupling	Shaft diameter	d	mm	8	8	8
	Max. axial force	F _a	N	20	20	20
	Max. radial force	F _r	N	220	220	220

Dimensions

Type	L / mm
Eg 7120-4	118
Eg 7140-4	138
Eg 7150-4	138



System technology

Recommended combinations

other gears and extensions upon request

Worm gear	GS 3
Spur gear	Z 8
Planetary gear	PM 60
Rotary encoder	upon request
Brake	upon request