

Three-phase asynchronous motor

Properties: Connection: 400 V / 50 Hz three-phase system
 Optional designs for other mains voltages / frequencies
 Optional design for a frequency converter with 3 x 230 V
 Standard connection using terminal boxes

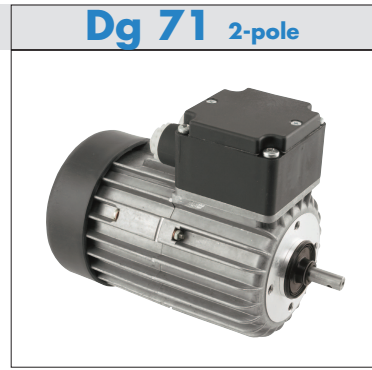
Service life: 20,000 hours, S1 duty

Insulation mat. class: B, optional F

System of protection: IP 44, optional up to IP 65

Special model: Design for short-time duty with high performance

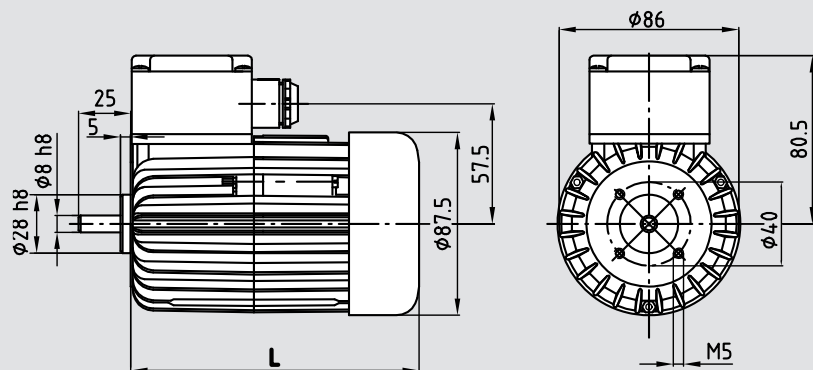
Options: Thermal protection, special shafts, custom designed, foot mounting



Type	Name			Dg 7120-2	Dg 7140-2	Dg 7150-2
	Nominal voltages	U	AC voltage	400	400	400
Specification	Nominal power	P ₂	W	25	76	90
	Nominal speed	n _{nom}	rpm	2750	2750	2750
	Nominal torque	T _{nom}	Ncm	9	26.5	31.2
	Starting torque	T _A	Ncm	35	83	105
	Nominal current	I _{nom}	mA	195	330	390
	No-load current	I ₀	mA	206	340	378
Characteristics	Locked rotor speed	n _{break}	rpm	-	-	-
	Locked rotor torque	T _{break}	Ncm	-	-	-
	Nominal efficiency	η		0.42	0.52	0.55
Connection	Terminal resistance	R	Ohm	632	215	165
	Input power	P ₁	W	85	177	199
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

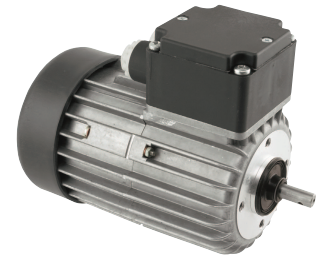
Type	L / mm
Dg 7120-2	118
Dg 7140-2	138
Dg 7150-2	138



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

Three-phase asynchronous motor

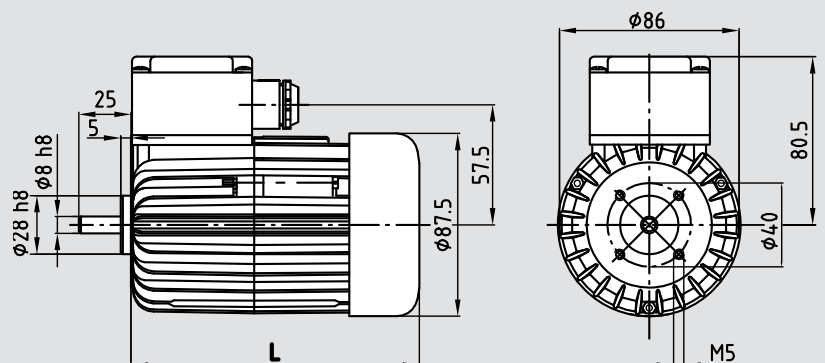


Properties:	Connection:	400 V / 50 Hz three-phase system Optional designs for other mains voltages / frequencies Optional design for a frequency converter with 3 x 230 V Standard connection using terminal boxes
	Service life:	20,000 hours, S1 duty
	Insulation mat.class:	B, optional F
	System of protection:	IP 44, optional up to IP 65
	Special model:	Design for short-time duty with high performance
	Options:	Thermal protection, special shafts, custom designed, foot mounting

Type	Name			Dg 7140-4	Dg 7150-4		
	Nominal voltages	U	AC voltage	400	400		
Specification	Nominal power	P ₂	W	28	34		
	Nominal speed	n _{nom}	rpm	1300	1300		
	Nominal torque	T _{nom}	Ncm	21	25		
	Starting torque	T _A	Ncm	60	65		
	Nominal current	I _{nom}	mA	190	230		
	No-load current	I ₀	mA	170	200		
Characteristics	Locked rotor speed	n _{break}	rpm	-	-		
	Locked rotor torque	T _{break}	Ncm	-	-		
	Nominal efficiency	η		0.32	0.32		
Connection	Terminal resistance	R	Ohm	513	464		
	Input power	P ₁	W	86	96		
Dynamics	Weight	m	kg	1.7	2.0		
	Moment of inertia	J	gcm ²	376	455		
Thermal	Adm. ambient temperature	T _a	°C	-20 to +40	-20 to +40		
	Max. adm. stator temperature	T _{max}	°C	+120	+120		
Coupling	Shaft diameter	d	mm	8	8		
	Max. axial force	F _a	N	20	20		
	Max. radial force	F _r	N	220	220		

Dimensions

Type	L / mm
Dg 7140-4	138
Dg 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