

Single-phase asynchronous motor

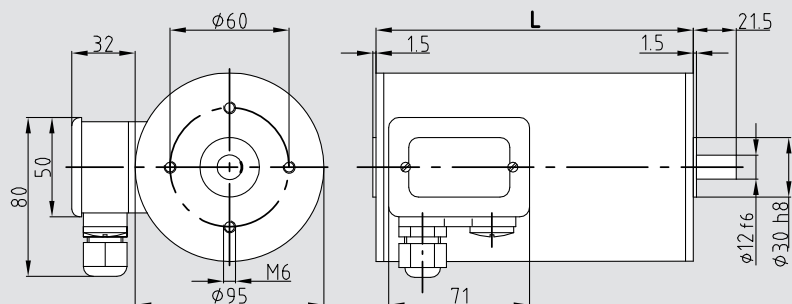
Properties:	Connection:	230 V / 50 Hz AC system , optional designs for 110 V / 60 Hz or other voltages / frequencies Running capacitor required Connections using K2 type plug-in connectors
	Service life:	20,000 hours, S1 duty
	Insulation mat. class:	F
	System of protection:	IP 44, optional up to IP 65
	Special model:	Design for short-time duty with high performance
	Options:	Thermal protection, special shafts, special flanges, custom designed, stainless steel



Type	Name	U	AC voltage	K 9562	K 9582
	Nominal voltages			230	230
Specification	Nominal power	P ₂	W	91	141
	Nominal speed	N _{nom}	rpm	2700	2700
	Nominal torque	T _{nom}	Ncm	48	65
	Starting torque	T _S	Ncm	22.5	28.0
	Nominal current	I _{nom}	mA	950	1200
	No-load current	I ₀	mA	250	351
Characteristics	Locked rotor speed	n _{break}	rpm	2150	1950
	Locked rotor torque	T _{break}	Ncm	57.0	83.5
	Nominal efficiency	η		0.61	0.66
Connection	Terminal resistance	R	Ohm	36	22
	Input power	P ₁	W	181	191
	Running capacitor	C	μF	9	12
Dynamics	Weight	m	kg	3.7	4.5
	Moment of inertia	J	gcm ²	1532	1964
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	12	12
	Max. axial force	F _a	N	65	65
	Max. radial force	F _r	N	700	700

Dimensions

Type	L / mm
K 9562	140
K 9582	160



System technology

Recommended combinations other gears and extensions upon request	Worm gear	S 769	SC 401
	Spur gear	M 10	
	Planetary gear	PM 80	
	Rotary encoder	RV 30	RI 30
	Brake	B 3	

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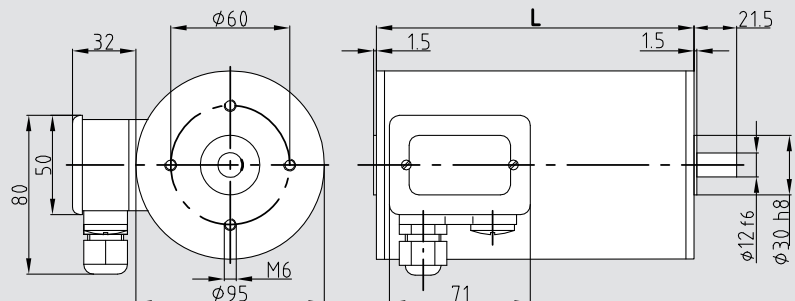
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	Special model:	Design for short-time duty with high performance
	Options:	Thermal protection, special shafts, special flanges, custom designed, stainless steel



Type	Name			K 9564	K 9584		
	Nominal voltages	U	AC voltage	230	230		
Specification	Nominal power	P ₂	W	78	106		
	Nominal speed	N _{nom}	rpm	1300	1300		
	Nominal torque	T _{nom}	Ncm	57	78		
	Starting torque	T _s	Ncm	27	32		
	Nominal current	I _{nom}	mA	660	850		
	No-load current	I ₀	mA	431	546		
Characteristics	Locked rotor speed	n _{break}	rpm	1250	900		
	Locked rotor torque	T _{break}	Ncm	64	105		
	Nominal efficiency	η		0.54	0.56		
Connection	Terminal resistance	R	Ohm	65	37		
	Input power	P ₁	W	132	157.5		
	Running capacitor	C	μF	6	8		
Dynamics	Weight	m	kg	3.7	4.5		
	Moment of inertia	J	gcm ²	2468	3164		
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	12	12		
	Max. axial force	F _a	N	65	65		
	Max. radial force	F _r	N	700	700		

Dimensions

Type	L / mm
K 9564	140
K 9584	160



System technology

Recommended combinations

other gears and extensions upon request

Worm gear	S 769	SC 401
Spur gear	M 10	
Planetary gear	PM 80	
Rotary encoder	RV 30	RI 30
Brake	B 3	