



Manufacturer

Customer

VEM motors Thurm GmbH
Äußere Dresdener Str. 35

D-08066 Zwickau

Three-phase motors with squirrel cage rotor, standard motors
Housing grey cast iron

Type	K21R 112 MX2			
Duty type	S1			
Design output	(kW)	5,5		
Efficiency determination	(-)	EN 60034-2		
Design frequency	(Hz)	50		
Design speed	[rpm]	2890		
Design voltage	(V)	230/400		
Connection	(-)	D	Y	
Design current	(A)	19.1	11.0	
Relative pull-in current	(-)	7,5		
Relative starting torque	(-)	2,4		
Relative pull-up torque	(-)	2,2		
Relative pull-out torque	(-)	3		
Loading state	(%)	100	75	50
Power factor	(-)	0,84	0,77	0,65
Efficiency	(%)	86,3	86,6	86
Th. cl.		155(F)		25
Coolant temperature	(°C)	-30...+45		
Altitude above sea level	(m)	1000m		
Degree of protection		IP55		
Moment of inertia	(kgm ²)	0,0055		
Motor weight	(kg)	38		
Bearing, D-side		6206 2Z C3		
Bearing, N-side		6206 2Z C3		
Relubrication interval	(h)			
Grease type		Asonic GLY 32		
Grease amount	(g)			
A-sound pressure level	(dB)	63		
Special details to bearings 1		none		
Special details to bearings 2		none		
Bearing monitoring		none		
Winding protection		none		
Winding protection 2		none		
Anti-condensation heating		none		
Special versions 1		none		
Special versions 2		none		
Special versions 3		none		
Special versions 4		none		
Limit values to vibration velocity		Class A		
Balancing with half key				
Colour system		01 Moderate (KK C2)		
Colour shade		RAL 7031 blue-grey		
Layer thickness		60 µm		

Delivery conditions and/or official regulations: IEC / EN 60034-1

This document was produced electronically, all specifications are valid only after confirmation of the manufacturer

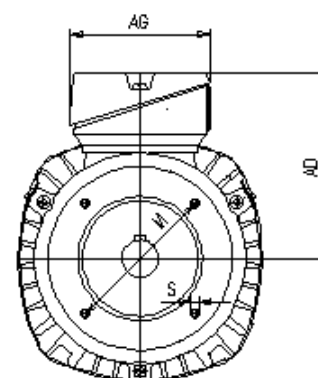
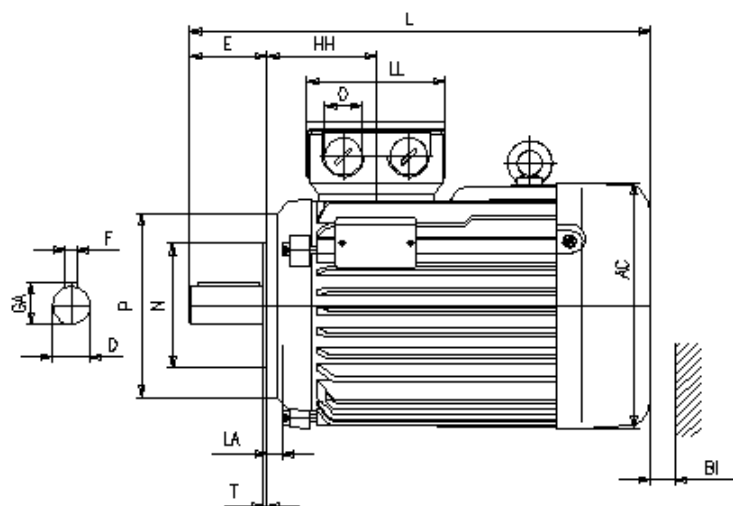
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Mounting position

Type of mounting: IM B14G
Flange: FT 165[C 200]
Position of terminal box: on the top

Terminal box: KA 05
Cable gland O: 1 xSealing plug



Motor

A	AA	AB	AC	AD	B	B'	BA	BA'	BB	C	CA	K	K'
-	-	-	196	137	-	-	-	-	-	-	-	-	-

Terminal box

L	LC	H	HA	HD	HH	BI	AG	LL	BE	AH
391	-	112	-	-	77	20	92	92	-	-

Flange

P	N	LA	M	T	S
200	130	12	165	3,5	M10

Tolerances

H	N	D	DA
-0,5	j6	k6	k6

Shaft-DS

D	E	GA	F	DB
28	60	31	8	DIN 332-DS M10

Shaft-NS

DA	EA	GC	FA
-	-	-	-

DB...Centre hole

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