



Manufacturer

Customer

VEM motors Thurm GmbH
Äußere Dresdener Str. 35

D-08066 Zwickau

Three-phase motor with squirrel cage rotor, brake motors
 brake type Stromag

Type		B21R 80 G4	
Design output	(kW)	0,75	
Duty type		S1	
Efficiency determination	(-)	EN 60034-2	
Design frequency	(Hz)	50	
Design speed	[rpm]	1400	
Voltage	(V)	400/690	
Connection	(-)	D	Y
Current	(A)	2.1	1.2
Relative pull-in current	(-)	4,6	
Relative starting torque	(-)	2,2	
Relative pull-out torque	(-)	2,3	
Power factor	(-)	0,7	
Efficiency	(%)	73,5	
Th. cl.		155(F)	
Coolant temperature	(°C)	40°C	
Altitude above sea level	(m)	1000m	
Degree of protection		IP55	
Moment of inertia	(kgm ²)	0,00116	
Motor weight	(kg)	14,5	
Bearing, D-side		6204 2Z C3	
Bearing, N-side		6204 2Z C3	
Relubrication interval	(h)		
Grease type		Asonic GLY 32	
Grease amount	(g)		
Brake type		BZFM 0,63	
Brake torque	(Nm)	6,3	
Relative brake torque	(-)	1,2	
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	

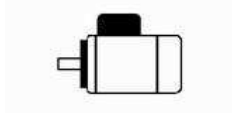
Delivery conditions and/or official regulations: IEC / EN 60034-1

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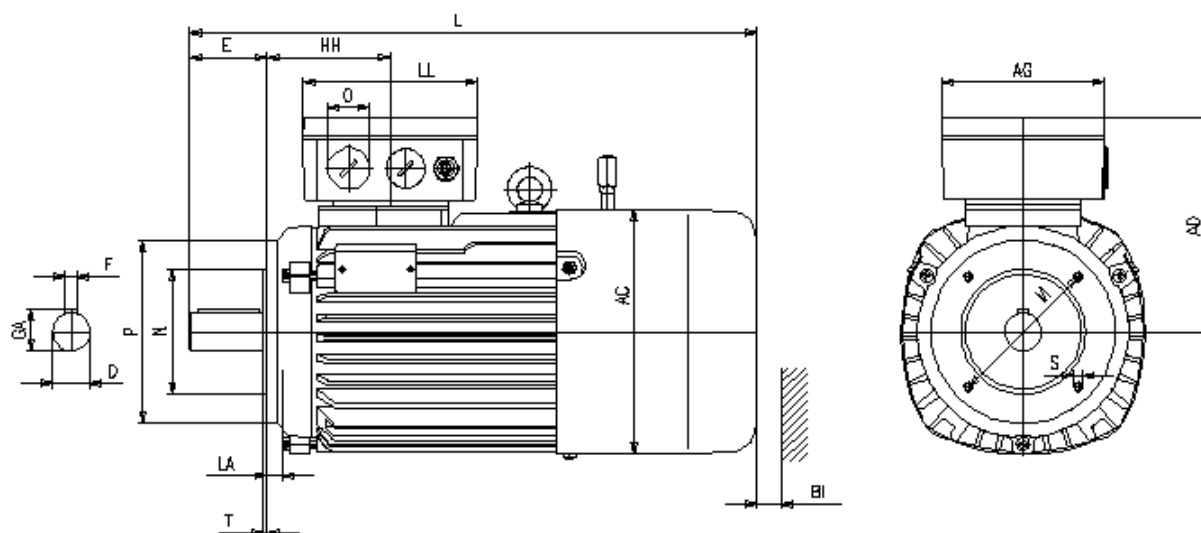
B21R 80 G4

Mounting position



Type of mounting: IM B14K
Flange: FT 100[C 120]
Position of terminal box: on the top
Brake type: BZFM 0,63

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'
-	-	-	139	-	-	-	-	-	-	-	-	-	-

Terminal box

L	LC	H	HA	HD	HH	BI	AG	LL	BE	AH
305	-	80	-	-	67	16	92	92	-	-

Flange

P	N	LA	M	T	S
120	80	8	100	3	M6

Tolerances

H	N	D	DA
-0,5	j6	k6	k6

Shaft-DS

D	E	GA	F	DB
19	40	21,5	6	DIN 332-DS M6 -

Shaft-NS

DA	EA	GC	FA
-	-	-	-

DB...Centre hole

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