



Manufacturer

Customer

VEM motors GmbH
Carl-Friedrich-Gauß-Straße 1

D-38855 Wernigerode

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

Type	B21R 180 M2 SMG HW		
Design output	(kW)	22	
Duty type		S1	
Efficiency determination	(-)	EN 60034-2	
Design frequency	(Hz)	50	
Design speed	[rpm]	2935	
Voltage	(V)	400/690	
Connection	(-)	D	Y
Current	(A)	37.5	21.7
Relative pull-in current	(-)	6,8	
Relative starting torque	(-)	1,7	
Relative pull-out torque	(-)	2,6	
Power factor	(-)	0,92	
Efficiency	(%)	91,8	
Th. cl.		155(F/B)	
Coolant temperature	(°C)	40°C	
Altitude above sea level	(m)	1000m	
Degree of protection		IP55	
Moment of inertia	(kgm ²)	0,1095	
Motor weight	(kg)	200	
Bearing, D-side		6310 C3	
Bearing, N-side		6310 C3	
Relubrication interval	(h)		
Grease type		Klüberquiet BQ 72-72	
Grease amount	(g)		
Brake type		BZFM 16	
Brake torque	(Nm)	200	
Relative brake torque	(-)	2,8	
Special details to bearings 1		none	
Special details to bearings 2		Fixed bearing, N-side	
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		70 µm	

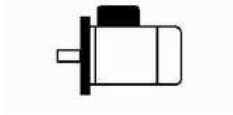
Delivery conditions and/or official regulations: IEC / EN 60034-1

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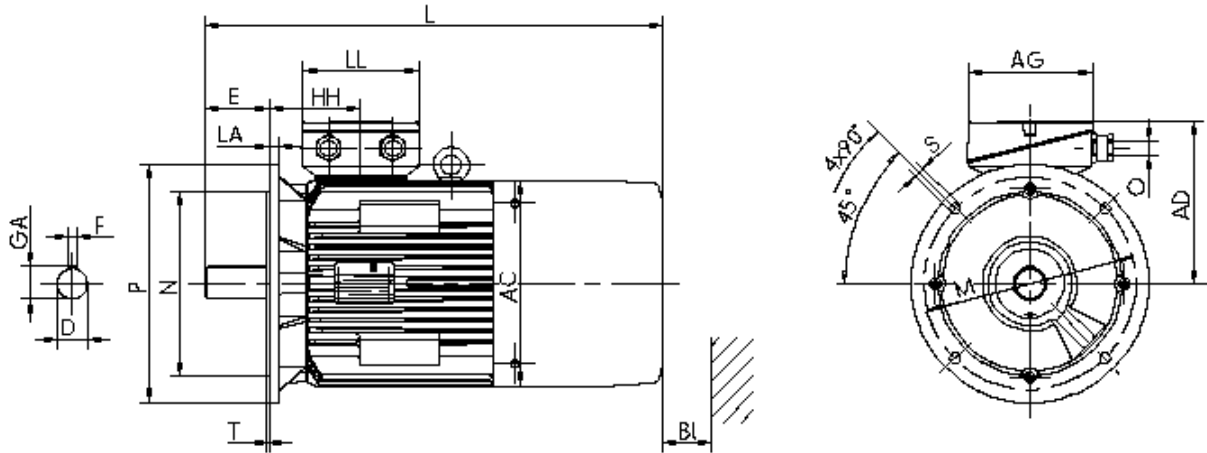
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Mounting position



Type of mounting: IMB5
Flange: FF 300[A 350]
Position of terminal box: on the top
Brake type: BZFM 16

Terminal box: KK 63 A
Cable gland O: 1 xSealing plug



Motor

A	AA	AB	AC	AD	B	B'	BA	BA'	BB	C	CA	K	K'
-	-	-	351	261	-	-	-	-	-	-	-	-	-

Terminal box

L	LC	H	HA	HD	HH	BI	AG	LL	BE	AH
782	-	180	-	-	147	35	193	167	-	-

Flange

P	N	LA	M	T	S
350	250	13	300	5	18

Tolerances

H	N	D	DA
-0,5	h6	k6	k6

Shaft-DS

D	E	GA	F	DB
48	110	51,5	14	DIN 332-DS M16

Shaft-NS

DA	EA	GC	FA
-	-	-	-

DB...Centre hole

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