

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	IE2-BE2R 160 L4 SMG HW		
Design output	(kW)	15	
Design torque	(Nm)	97	
Duty type		S1	
Class IE	(-)	IE2-92%	
Efficiency determination	(-)	EN 60034-2-1	
Design frequency	(Hz)	50	
Design speed	[rpm]	1480	
Voltage	(V)	230/400	
Connection	(-)	D	Y
Current	(A)	48.7	28.0
Relative pull-in current	(-)	9,1	
Relative starting torque	(-)	3	
Relative pull-out torque	(-)	3,9	
Power factor	(-)	0,84	
Efficiency100/75/50 %	(%)		92 / 92 / 90,6
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)	0,1195	
Motor weight	(kg)	183	
Bearing, D-side		6310 ZZ C3	
Bearing, N-side		6309 ZZ C3	
Relubrication interval	(h)		
Grease type		Klüberquiet BQ 72-72	
Grease amount	(g)		
Brake type		BZFM 16	
Brake torque	(Nm)	200	
Relative brake torque	(-)	2,1	
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	

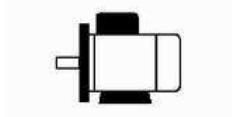
Delivery conditions and/or official regulations: IEC / EN 60034-1

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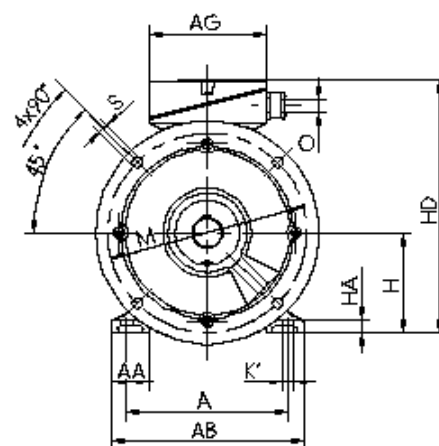
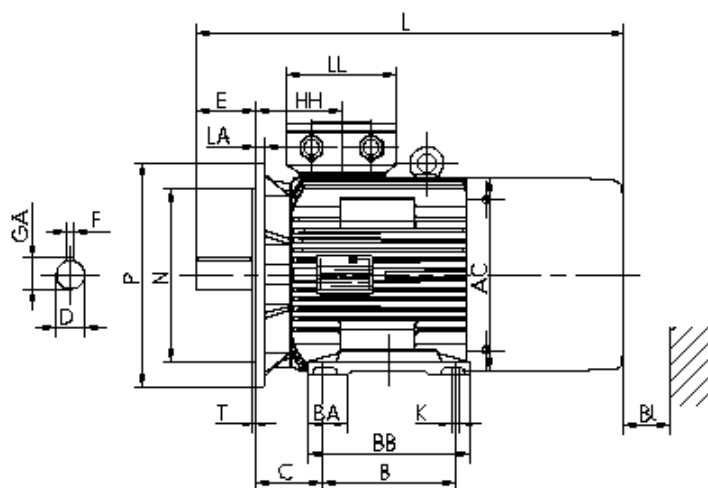
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Mounting position



Type of mounting: IM B35
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'
254	55	296	313	-	254		60	-	301	108	-	15	20

Terminal box

L	LC	H	HA	HD	HH	BI	AG	LL	BE	AH
787	-	160	18	-	138	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
42	110	45	12	DIN 332 DS- M16

Shaft-NS

DA	EA	GC	FA
-	-	-	-

DB...Centre hole

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