

Data sheet

08.06.2022 MADE WITH VEM EKAT 2022



Manufacturer

Customer

VEM motors GmbH - Werk Zwickau
Äußere Dresden Str. 35

08066 ZWICKAU
Deutschland

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

Type	IE3-B41R 80 K6
Design output	(kW) 0,37
Design torque	(Nm) 3,72
Class IE	[-] IE3-73,5%
Efficiency determination	EN 60034-2-1
Duty type	S1
Design frequency	(Hz) 50
Design speed	[rpm] 950
Voltage	(V) 230/400
Connection	[-] D Y
Current	[A] 1.79 1.03
Relative pull-in current	[-] 4
Relative starting torque	[-] 1,9
Relative pull-up torque	[-] 1,9
Relative pull-out torque	[-] 2,4
Efficiency 100/75/50 %	[%] 73,5 / 72,9 / 69,2
Power factor	[-] 0,7
Th. cl.	155(F/B)
Coolant temperature	(°C) -20°C...+40°C
Altitude above sea level	(m) 1000m
Degree of protection IP	IP55
Moment of inertia	(kgm²) 0,00345
Motor weight	(kg) 19,5
Bearing, D-side	6205 2Z C3
Bearing, N-side	6205 2Z C3
Relubrication interval	(h)
Grease type	Asonic GLY 32
Grease amount	[cm³]
A-sound pressure level	(dB) a.A.
Brake type	BZFM 1,6
Brake torque	(Nm) 13,5
Relative brake torque	[-] 3,6

Options

Type of mounting	IM B3
Flange	-
Terminal box	Standard
Position of terminal box	on the top
Cable gland	Sealing plug
Position of cable entry	right
Shaft	Standard, 1 shaftend
Bearing	Easy bearing arrangement
Limit values to vibration velocity	Class A
Colour system	Balancing with half key
Brake type	01 Moderate (KK C2), RAL 7031 blue-grey
Delivery conditions and/or official regulations:	Stromag
	IEC / EN 60034-1

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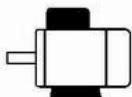
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Housing grey cast iron

IE3-B41R 80 K6

Mounting position



Type of mounting: IM B3

Flange: -

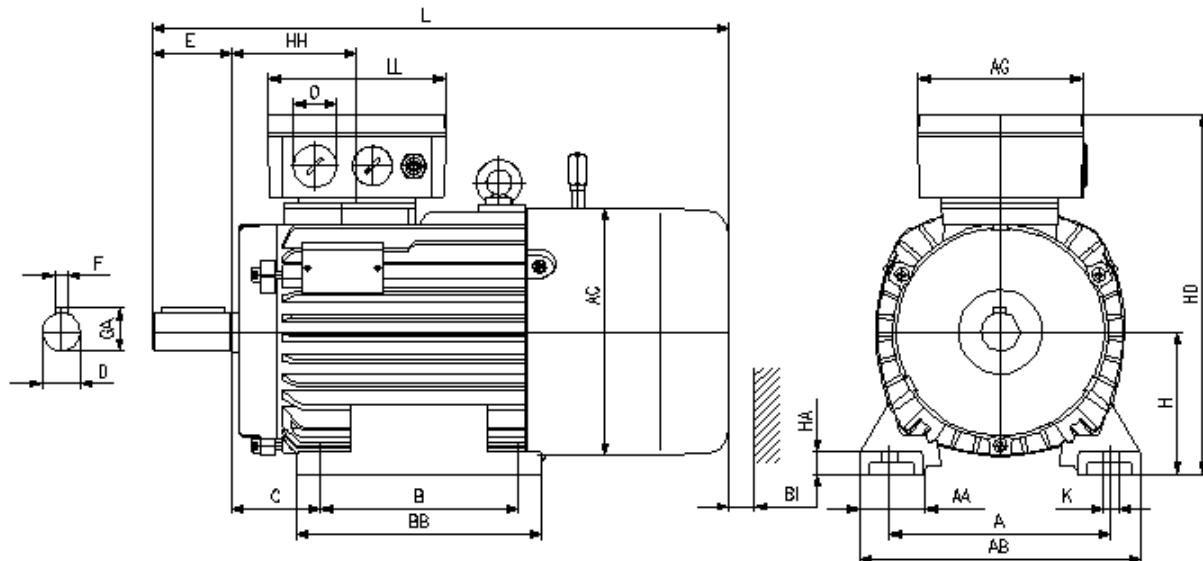
Position of terminal box: on the top

Brake type: BZFM 1,6

Forced-ventilation:

Terminal box: KA 05

Cable gland O: 1 xSealing plug



Motor

A 125	AA 32	AB 152	AC 157	AD -	B 100	B' -	BA -	BA' -	BB 125	C 50	CA -	K 10	K' 10
L 327	LC -	H 80	HA 9	HD 200	HH 70	BI 16			Protection cover L	AG 92	LL 92	BE -	AH -

Flange

P	N	LA	M	T	S	Tolerances	H -0,5	N j6	D k6	DA k6
-	-	-	-	-	-					

Shaft-DS

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

DA -	EA -	GC -	FA -
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DB...Centre hole

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

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