

Data sheet

15.09.2022 MADE WITH VEM EKAT 2022



Manufacturer

VEM motors GmbH - Werk Wernigerode
Carl-Friedrich-Gauß-Straße 1

Customer

38855 WERNIGEROODE
Deutschland

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

Type	IE4-W61R 160 L2 TPM HW
Design output	(kW) 18,5
Design torque	(Nm) 60
Class IE	[-] IE4-93,7%
Efficiency determination	EN 60034-2-1
Duty type	S1
Design frequency	(Hz) 50
Design speed	[rpm] 2960
Voltage	(V) 400/690
Connection	[-] D Y
Current	[A] 31,5 18,3
Relative pull-in current	[-] 7,7
Relative starting torque	[-] 2,4
Relative pull-up torque	[-] 1,9
Relative pull-out torque	[-] 3,4
Efficiency 100/75/50 %	[%] 93,7 / 94 / 93,6
Power factor	[-] 0,9
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) 0,082
Motor weight	(kg) 163
Bearing, D-side	6310 ZZ C3
Bearing, N-side	6309 ZZ C3
Relubrication interval	(h)
Grease type	ASONIC GHY 72
Grease amount	[cm³]

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
Special details to bearings	Fixed bearing, N-side
Winding protection	1 set ptc resistors
Limit values to vibration velocity	Class A
Colour system	Balancing with half key
Delivery conditions and/or official regulations:	01 Moderate (KK C2), RAL 7031 blue-grey IEC / EN 60034-1

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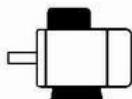
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Housing grey cast iron

IE4-W61R 160 L2 TPM HW

Mounting position



Type of mounting: IM B3

Flange: -

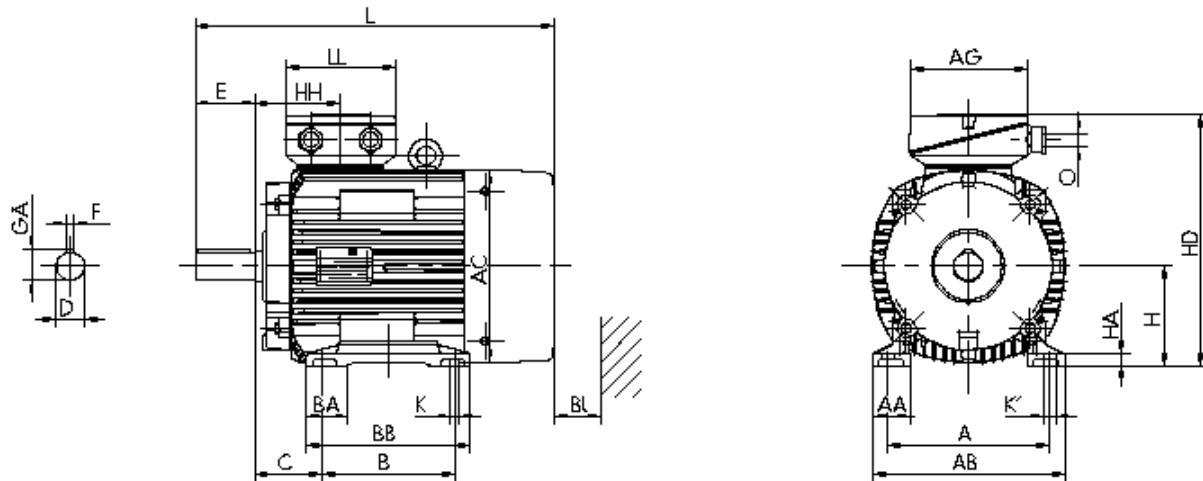
Position of terminal box: on the top

Brake type: -

Forced-ventilation: -

Terminal box: KK 63 A

Cable gland O: 1 xSealing plug



Motor

A 254	AA 55	AB 296	AC 313	AD -	B 254	B' -	BA 60	BA' -	BB 301	C 108	CA -	K 15	K' 20
L 659	LC -	H 160	HA 18	HD 402	HH 138	BI 40			Protection cover L	AG 193	LL 167	BE -	AH -

Flange

P	N	LA	M	T	S	Tolerances
-	-	-	-	-	-	H -0,5 N h6 D k6 DA k6

Shaft-DS

D 42	E 110	GA 45	F 12	DB DIN 332 DS- M16
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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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