



Manufacturer

Customer

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

38855 WERNIGERODE
Deutschland

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

Type	IE4-W61R 250 M4	TPM VL HW
Design output	(kW)	55
Design torque	(Nm)	353
Class IE	[-]	IE4-95,7%
Efficiency determination		EN 60034-2-1
Duty type		S1
Design frequency	(Hz)	50
Design speed	[rpm]	1487
Voltage	(V)	500
Connection	[-]	Y
Current	[A]	80.0
Relative pull-in current	[-]	9,1
Relative starting torque	[-]	2,4
Relative pull-up torque	[-]	2,2
Relative pull-out torque	[-]	2,9
Efficiency100/75/50 %	[%]	95,7 / 95,8 / 95,5
Power factor	[-]	0,83
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	(kgm ²)	1,1
Motor weight	(kg)	600
Bearing, D-side		NU 316 E
Bearing, N-side		6314 C3
Relubrication interval	(h)	
Grease type		ASONIC GHY 72
Grease amount	[cm ³]	

Options

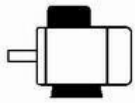
Type of mounting	IM B3
Flange	-
Terminal box	Standard
Position of terminal box	on the top
Cable gland	Sealing plug
Position of cable entry	right
Shaft	Standard, 1 shaft end
Bearing	Heavy bearing arrangement D-side
Special details to bearings	Fixed bearing, N-side
Winding protection	1 set ptc resistors
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

This document was produced electronically, all specifications are valid only after confirmation of the manufacturer

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

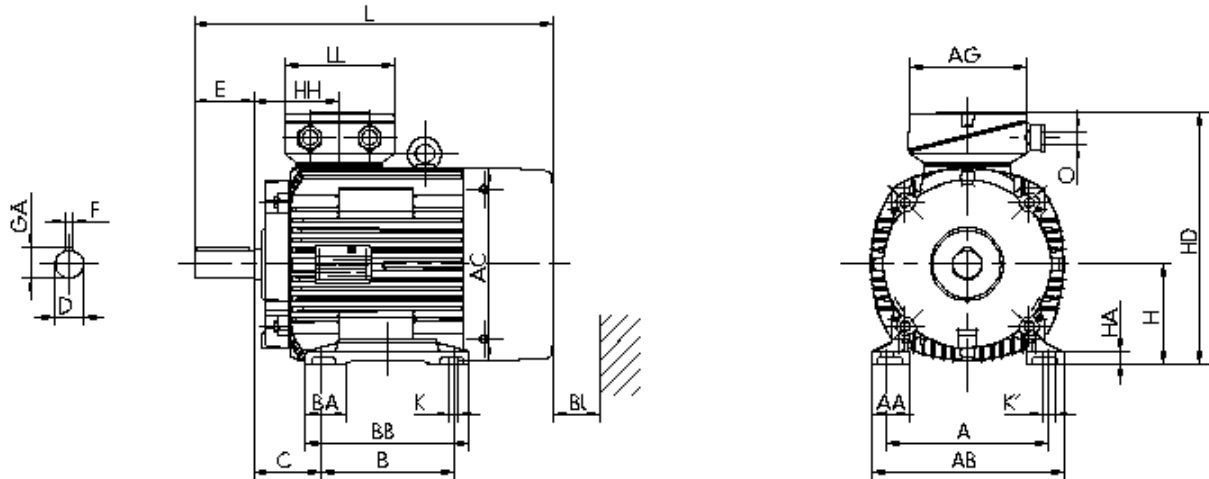
IE4-W61R 250 M4 TPM VL HW

Mounting position



Type of mounting: IM B3
Flange: -
Position of terminal box: on the top
Brake type:
Forced-ventilation:

Terminal box: KK 200 A
Cable gland O: 1 xSealing plug



Motor

A	AA	AB	AC	AD	B	B'	BA	BA'	BB	C	CA	K	K'		
406	84	469	490	-	349		84	-	412	168	-	24	30		
												Protection cover		Terminal box	
L	LC	H	HA	HD	HH	BI	L	AG	LL	BE	AH				
970	-	250	28	636	206	100	-	282	242	-	-				

Flange

P	N	LA	M	T	S
-	-	-	-	-	-

Tolerances

H	N	D	DA
-0,5	h6	m6	m6

Shaft-DS

D	E	GA	F	DB
65	140	69	18	DIN 332 DS- M20

Shaft-NS

DA	EA	GC	FA
-	-	-	-

DB...Centre hole

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

This document was produced electronically, all specifications are valid only after confirmation of the manufacturer