



Manufacturer

VEM motors GmbH - Werk Zwickau
Äußere Dresdner Str. 35

Customer

akkerstraat 10

08066 ZWICKAU
Deutschland

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

Type		IE3-W41R 80 K4	
Design output	(kW)	0,55	
Design torque	(Nm)	3,65	
Class IE	[-]	IE3-80,8%	
Efficiency determination		EN 60034-2-1	
Duty type		S1	
Design frequency	(Hz)	50	
Design speed	[rpm]	1440	
Voltage	(V)	230/400	
Connection	[-]	D	Y
Current	[A]	2.21	1.27
Relative pull-in current	[-]	6,6	
Relative starting torque	[-]	3	
Relative pull-up torque	[-]	2,9	
Relative pull-out torque	[-]	3,6	
Efficiency _{100/75/50 %}	[%]	80,8 / 80,1 / 76,7	
Power factor	[-]	0,77	
Th. cl.		155(F/B)	
Coolant temperature	(°C)	-20...+40	
Altitude above sea level	(m)	1000	
Degree of protection IP		IP55	
Moment of inertia	(kgm ²)	0,00207	
Motor weight	(kg)	14,5	
Bearing, D-side		6205 2Z C3	
Bearing, N-side		6205 2Z C3	
Grease type		Asonic GLY 32	
A-sound pressure level	(dB)	a.A.	

Options

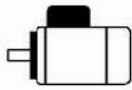
Type of mounting	IM B14
Flange	FT 100[C 120]
Terminal box	Standard
Position of terminal box	on the top
Cable gland	Sealing plug
Position of cable entry	right
Shaft	Standard, 1 shaft end
Bearing	Easy bearing arrangement
Limit values to vibration velocity	Class A
	Balancing with half key
Colour system	01 Moderate (KK C2),RAL 7031 blue-grey
Delivery conditions and/or official regulations:	IEC / EN 60034-1

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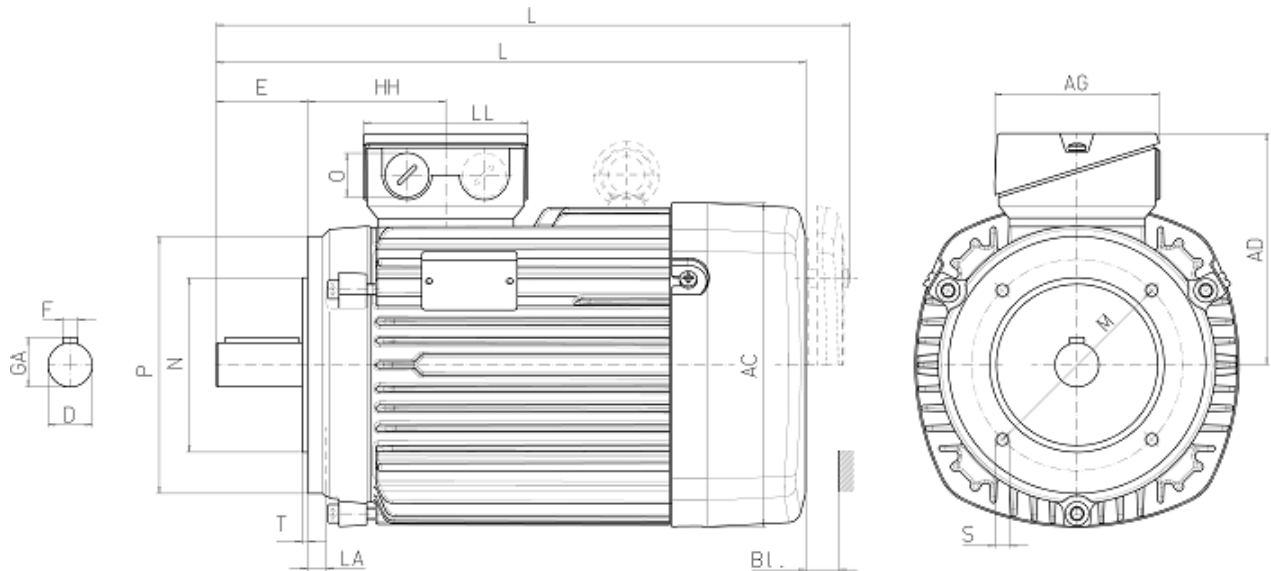
IE3-W41R 80 K4

Mounting position



Type of mounting: IM B14
Flange: FT 100[C 120]
Position of terminal box: on the top
Brake type:
Forced-ventilation:

Terminal box: KA 05
Cable gland O: 1 xSealing plug



Motor

A	AA	AB	AC	AD	B	B'	BA	BA'	BB	C	CA	K	K'
-	-	-	157	120	-	-	-	-	-	-	-	-	-
										Protection cover		Terminal box	
L	LC	H	HA	HD	HH	BI		L		AG	LL	BE	AH
265	-	80	-	-	70	16		-		92	92	-	-
										Tolerances			
Flange		LA	M	T	S								
P	N									H	N	D	DA
120	80	8	100	3	M6					-0,5	j6	k6	k6
Shaft-DS				Shaft-NS									
D	E	GA	F	DB	DA	EA	GC	FA					
19	40	21,5	6	DIN 332 DS - M6	-	-	-	-					

DB...Centre hole

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