



Manufacturer

Customer

VEM motors GmbH - Werk Zwickau
Äußere Dresdner Str. 35

08066 ZWICKAU
Deutschland

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

Type	IE3-W41R 90 SY4		
Design output	(kW)	1,1	
Design torque	(Nm)	7,2	
Class IE	[-]	IE3-84,1%	
Efficiency determination	EN 60034-2-1		
Duty type	S1		
Design frequency	(Hz)	50	
Design speed	[rpm]	1450	
Voltage	(V)	230/400	
Connection	[-]	D	Y
Current	[A]	4.35	2.50
Relative pull-in current	[-]	7	
Relative starting torque	[-]	3,1	
Relative pull-up torque	[-]	2,9	
Relative pull-out torque	[-]	3,9	
Efficiency100/75/50 %	[%]	84,1 / 84,9 / 82,5	
Power factor	[-]	0,75	
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)	0,004	
Motor weight	(kg)	22,5	
Bearing, D-side	6205 2Z C3		
Bearing, N-side	6205 2Z C3		
Relubrication interval	(h)		
Grease type	Asonic GLY 32		
Grease amount	[cm ³]		
A-sound pressure level	(dB)	a.A.	

Options

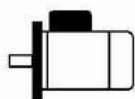
Type of mounting	IMB5
Flange	FF 165[A 200]
Terminal box	Standard
Position of terminal box	on the top
Cable gland	Sealing plug
Position of cable entry	right
Shaft	Standard, 1 shaft end
Bearing	Easy bearing arrangement
Limit values to vibration velocity	Class A
	Balancing with half key
Colour system	01 Moderate (KK C2),RAL 1013 pearl white
Delivery conditions and/or official regulations:	IEC / EN 60034-1

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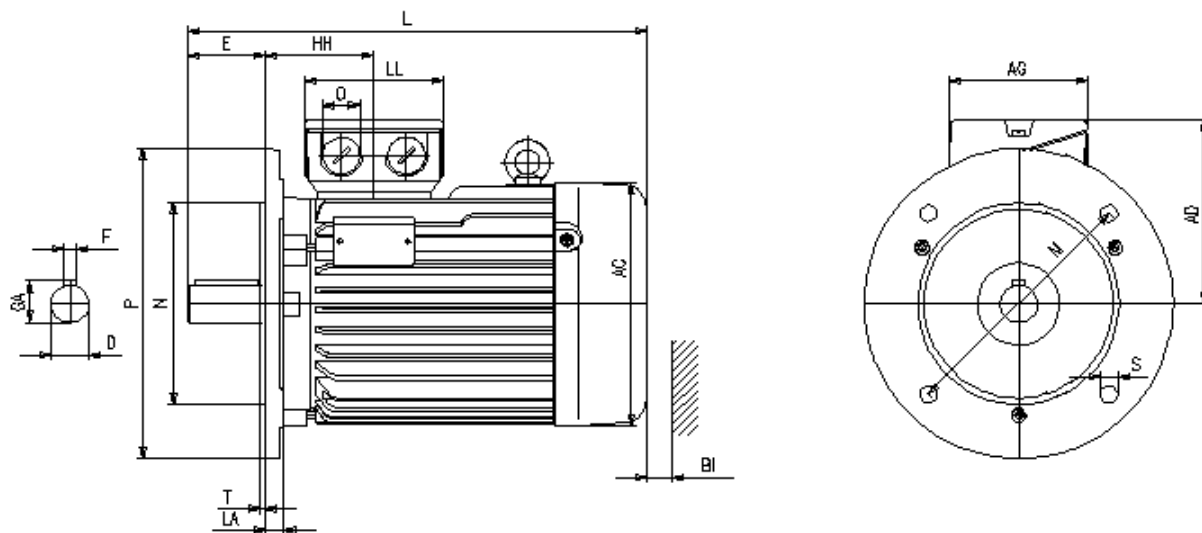
IE3-W41R 90 SY4

Mounting position



Type of mounting: IMB5
Flange: FF 165[A 200]
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'	
-	-	-	177	127	-	-	-	-	-	-	-	-	-	
											Protection cover		Terminal box	
L	LC	H	HA	HD	HH	BI				AG	LL	BE	AH	
360	-	90	-	-	153	18				92	92	-	-	

Flange

P	N	LA	M	T	S	Tolerances		H	N	D	DA
200	130	10	165	3,5	11			-0,5	j6	k6	k6

Shaft-DS

D	E	GA	F	DB
24	50	27	8	DIN 332 DS - M8

Shaft-NS

DA	EA	GC	FA
-	-	-	-

DB...Centre hole

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