



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 71 GY4		
Design output	(kW)	0,37	
Design torque	(Nm)	2,49	
Class IE	[-]	IE3-77,3%	
Efficiency determination		EN 60034-2-1	
Duty type		S1	
Design frequency	(Hz)	50	
Design speed	[rpm]	1420	
Voltage	(V)	230/400	
Connection	[-]	D	Y
Current	[A]	1.65	0.95
Relative pull-in current	[-]	4,9	
Relative starting torque	[-]	2,5	
Relative pull-up torque	[-]	2,4	
Relative pull-out torque	[-]	2,8	
Efficiency100/75/50 %	[%]		77,3 / 76,8 / 73,6
Power factor	[-]	0,74	
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)	0,00087	
Motor weight	(kg)	9,9	
Bearing, D-side		6204 2Z C3	
Bearing, N-side		6204 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	IM B14
Flange	FT 85[C 105]
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
Winding protection	1 set ptc resistors
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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Data sheet

15.02.2022 MADE WITH VEM EKAT 2021



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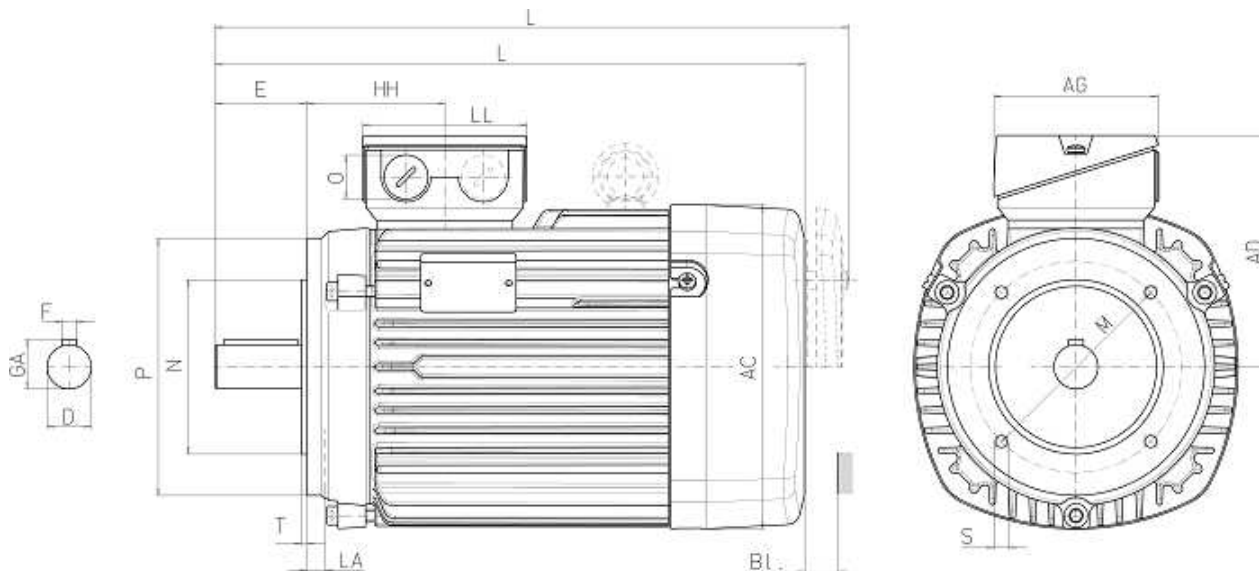
IE3-W41R 71 GY4

Mounting position



Type of mounting: IM B14
Flange: FT 85[C 105]
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'
-	-	-	139	111	-	-	-	-	-	-	-	-	-
Protection cover											Terminal box		
L	LC	H	HA	HD	HH	BI		L		AG	LL	BE	AH
239	-	71	-	-	67	16		-		92	92	-	-

Flange

P	N	LA	M	T	S	Tolerances		H	N	D	DA
105	70	8,5	85	2,5	M6			-0,5	j6	k6	k6

Shaft-DS

D	E	GA	F	DB
14	30	16	5	DIN 332 DS - M5

Shaft-NS

DA	EA	GC	FA
-	-	-	-

DB...Centre hole

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