



Manufacturer

Customer

VEM motors Thurm GmbH
Äußere Dresdner Str. 35

08066 ZWICKAU
Deutschland

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

Type	IE3-W41R 90 LX4		
Design output	(kW)	1,5	
Design torque	(Nm)	9,8	
Class IE	[-]	IE3-85,3%	
Efficiency determination		EN 60034-2-1	
Duty type		S1	
Design frequency	(Hz)	50	
Design speed	[rpm]	1455	
Voltage	(V)	230/400	
Connection	[-]	D	Y
Current	[A]	5.91	3.40
Relative pull-in current	[-]	9,5	
Relative starting torque	[-]	4,5	
Relative pull-up torque	[-]	3,8	
Relative pull-out torque	[-]	4,9	
Efficiency100/75/50 %	[%]		85,3 / 84 / 80,6
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)	0,0058	
Motor weight	(kg)	31	
Bearing, D-side		6205 2Z C3	
Bearing, N-side		6205 2Z C3	
Relubrication interval	(h)		
Grease type		Asonic GLY 32	
Grease amount	(g)		

Options

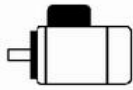
Type of mounting	IM B14K
Flange	FT 115[C 140]
Terminal box	Standard
Position of terminal box	on the top
Cable gland	Sealing plug
Position of cable entry	right
Shaft	Standard, 1 shaft end
Bearing	Easy bearing arrangement
Limit values to vibration velocity	Class A
Colour system	Balancing with half key
Delivery conditions and/or official regulations:	01 Moderate (KK C2),RAL 7031 blue-grey IEC / EN 60034-1

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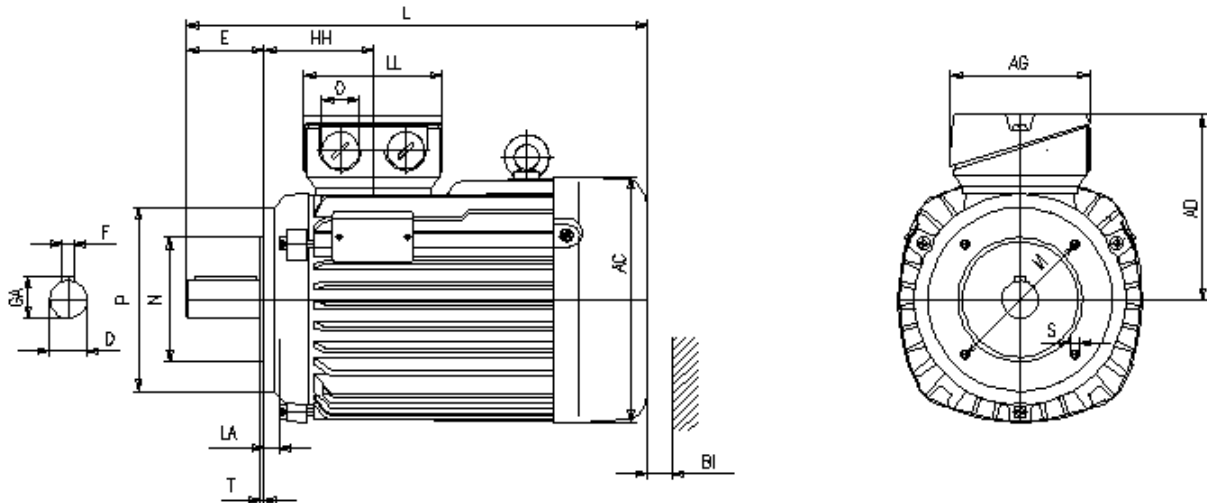
IE3-W41R 90 LX4

Mounting position



Type of mounting: IM B14K
Flange: FT 115[C 140]
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	L	AG	LL	BE	AH	-	-
376	-	90	-	-	75	18	-	92	92	-	-	-	-

Flange

P	N	LA	M	T	S	Tolerances		H	N	D	DA
140	95	10	115	3	M8			-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

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

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