



**Manufacturer**

**VEM motors Thurm GmbH**  
**Äußere Dresdner Str. 35**  
**08066 ZWICKAU**  
**Deutschland**

**Customer**

**Motoren Francoys**  
**akkerstraat 10**  
**MELLE**  
**BELGIUM**

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

Type	IE3-W41R 112 MW4		
Design output	( kW )	4	
Design torque	( Nm )	26,2	
Class IE	[ - ]	IE3-88,6%	
Efficiency determination		EN 60034-2-1	
Duty type		S1	
Design frequency	( Hz )	50	
Design speed	[rpm]	1460	
Voltage	( V )	400/690	
Connection	[ - ]	D	Y
Current	[ A ]	7.8	4.5
Relative pull-in current	[ - ]	8,7	
Relative starting torque	[ - ]	2,6	
Relative pull-out torque	[ - ]	4,1	
Efficiency100/75/50 %	[ % ]	88,6 / 87,9 / 86,2	
Power factor	[ - ]	0,85	
Th. cl.		155(F)	
Coolant temperature	( °C )	-20°C...+40°C	
Altitude above sea level	( m )	1000m	
Degree of protection IP		IP55	
Moment of inertia	( kgm <sup>2</sup> )	0,017	
Motor weight	( kg )	56	
Bearing, D-side		6207 2ZN C3	
Bearing, N-side		6207 2ZN C3	
Relubrication interval	( h )		
Grease type		Asonic GLY 32	
Grease amount	( g )		

**Options**

Type of mounting	IMB5
Flange	FF 215[A 250]
Terminal box	VIK version
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
Colour system	Balancing with half key 02 world wide (KK C2-C3),RAL 7031 blue-grey

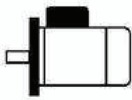
Delivery conditions and/or official regulations: IEC / EN 60034-1

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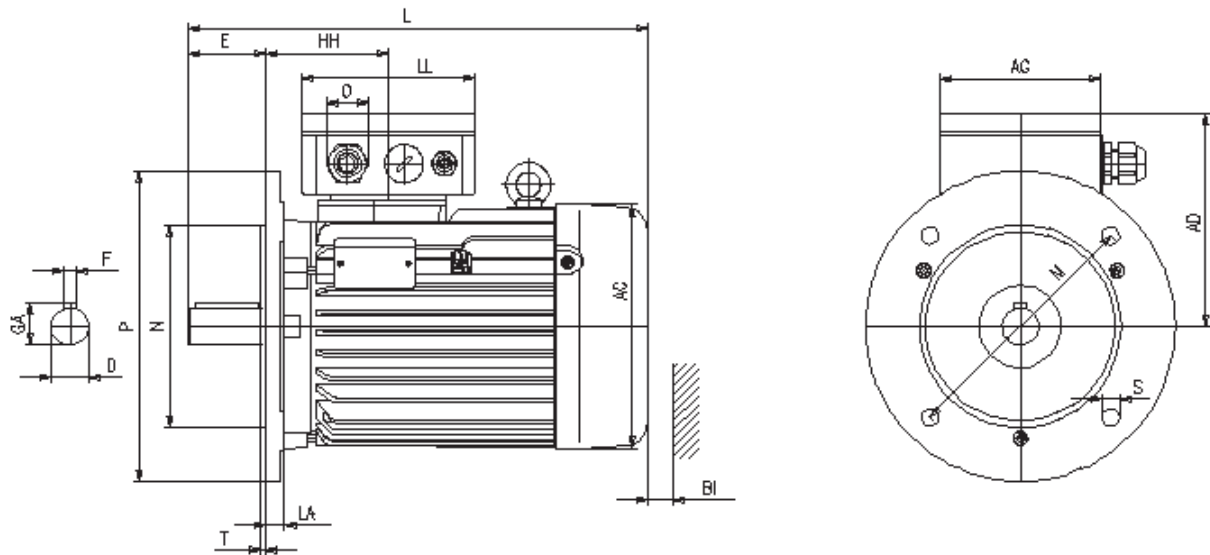
## IE3-W41R 112 MW4

### Mounting position



Type of mounting: IMB5  
Flange: FF 215[A 250]  
Position of terminal box: on the top  
Brake type:  
Forced-ventilation:

Terminal box: KK 25 AV Ex e II  
Cable gland O: 1 xSealing plug



### Motor

A	AA	AB	AC	AD	B	B'	BA	BA'	BB	C	CA	K	K'
-	-	-	217	189	-	-	-	-	-	-	-	-	-
L	LC	H	HA	HD	HH	BI	Terminal box						
457	-	112	-	-	107	35	AG	LL	BE	AH			
							143	134	-	-			

### Flange

P	N	LA	M	T	S	Tolerances						
250	180	11	215	4	14	H	N	D	DA			
						-0,5	j6	k6	k6			

### Shaft-DS

D	E	GA	F	DB
28	60	31	8	DIN 332 DS- M10

### Shaft-NS

DA	EA	GC	FA
-	-	-	-

### DB...Centre hole

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