



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-B41R 80 K6		
Design output	( kW )	0,37	
Design torque	( Nm )	3,72	
Class IE	[ - ]	IE3-73,5%	
Efficiency determination		EN 60034-2-1	
Duty type		S1	
Design frequency	( Hz )	50	
Design speed	[rpm]	950	
Voltage	( V )	230/400	
Connection	[ - ]	D	Y
Current	[ A ]	1.79	1.03
Relative pull-in current	[ - ]	4	
Relative starting torque	[ - ]	1,9	
Relative pull-up torque	[ - ]	1,9	
Relative pull-out torque	[ - ]	2,4	
Efficiency100/75/50 %	[ % ]		73,5 / 72,9 / 69,2
Power factor	[ - ]	0,7	
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 <sup>2</sup> )	0,00345	
Motor weight	( kg )	19,5	
Bearing, D-side		6205 2Z C3	
Bearing, N-side		6205 2Z C3	
Relubrication interval	( h )		
Grease type		Asonic GLY 32	
Grease amount	[cm <sup>3</sup> ]		
A-sound pressure level	( dB )	a.A.	
Brake type		BZFM 1,6	
Brake torque	( Nm )	13,5	
Relative brake torque	[ - ]	3,6	

**Options**

Type of mounting	IM B3
Flange	-
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
Brake type	Stromag
Delivery conditions and/or official regulations:	IEC / EN 60034-1

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