



Manufacturer

Customer

VEM motors Thurm GmbH
Äußere Dresdener Str. 35

D-08066 Zwickau

Three-phase motor with squirrel cage rotor, brake motors
 brake type Stromag

Type	IE2-BE1R 90 LV6		
Design output	(kW)	1,1	
Design torque	(Nm)	11,1	
Duty type		S1	
Class IE	(-)	IE2-80,4%	
Efficiency determination	(-)	EN 60034-2-1	
Design frequency	(Hz)	50	
Design speed	[rpm]	950	
Voltage	(V)	230/400	
Connection	(-)	D	Y
Current	(A)	4.8	2.8
Relative pull-in current	(-)	5,3	
Relative starting torque	(-)	2,5	
Relative pull-out torque	(-)	2,8	
Power factor	(-)	0,71	
Efficiency100/75/50 %	(%)	80,4 / 79,6 / 76,8	
Th. cl.		155(F/B)	
Coolant temperature	(°C)	40°C	
Altitude above sea level	(m)	1000m	
Degree of protection		IP55	
Moment of inertia	(kgm ²)		
Motor weight	(kg)		
Bearing, D-side			
Bearing, N-side			
Relubrication interval	(h)		
Grease type			
Grease amount	(g)		
Brake type			
Brake torque	(Nm)		
Relative brake torque	(-)		
Special details to bearings 1		none	
Special details to bearings 2		none	
Bearing monitoring		none	
Winding protection		none	
Winding protection 2		none	
Anti-condensation heating		none	
Special versions 1		none	
Special versions 2		none	
Special versions 3		none	
Special versions 4		none	
Limit values to vibration velocity		Class A	
Balancing with half key			
Colour system		01 Moderate (KK C2)	
Colour shade		RAL 7031 blue-grey	
Layer thickness		60 µm	

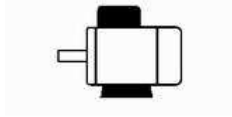
Delivery conditions and/or official regulations: IEC / EN 60034-1

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Mounting position



Type of mounting: IM B3
Flange:
Position of terminal box: on the top
Brake type:

Terminal box:
Cable gland O: 1 xSealing plug

*** Image Error! ***

Motor

A AA AB AC AD B B' BA BA' BB C CA K K'

Terminal box

L LC H HA HD HH BI AG LL BE AH

Flange

P N LA M T S

Tolerances

H N D DA

Shaft-DS

D E GA F DB

Shaft-NS

DA EA GC FA

DB...Centre hole

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