



Manufacturer

Customer

VEM motors Thurm GmbH
Äußere Dresdener Str. 35

08066 ZWICKAU
Deutschland

Three-phase motor with squirrel cage rotor, brake motors
 brake type BFK 457

Type	B21R 90 S8 BLEN		
Design output	(kW)	0,37	
Duty type		S1	
Efficiency determination	(-)	EN 60034-2	
Design frequency	(Hz)	50	
Design speed	[rpm]	700	
Direction of rotation		bidirectional	
Voltage	(V)	230/400	
Connection	(-)	D	Y
Current	(A)	2.8	1.6
Relative pull-in current	(-)	3	
Relative starting torque	(-)	1,9	
Relative pull-out torque	(-)	2,1	
Power factor	(-)	0,54	
Efficiency	(%)	61,5	
Th. cl.		155(F)	
Coolant temperature	(°C)	40°C	
Altitude above sea level	(m)	1000m	
Degree of protection IP		IP54	
Moment of inertia	(kgm ²)	0,00306	
Motor weight	(kg)	16,9	
Bearing, D-side		6205 2Z C3	
Bearing, N-side		6205 2Z C3	
Relubrication interval	(h)		
Grease type		Asonic GLY 32	
Grease amount	(g)		
Brake type		BFK457-08	
Brake torque	(Nm)	8	
Fixed bearing		none	
Bearing monitoring		none	
Winding protection			
Anti-condensation heating		none	
Limit values to vibration velocity		Class A	
Colour system		Balancing with half key 01 Moderate (KK C2),RAL 7031 blue-grey,60 µm	

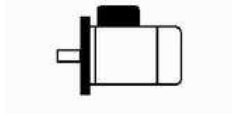
Delivery conditions and/or official regulations: IEC / EN 60034-1

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Mounting position



Type of mounting: IMB5
Flange: FF 165[A 200]
Position of terminal box: on the top
Brake type: BFK457-08
Brake type:
Forced-ventilation:

Terminal box: KA 05
Cable gland O: 1 xSealing plug

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Motor

A	AA	AB	AC	AD	B	B'	BA	BA'	BB	C	CA	K	K'
-	-	-	157	-	-	-	-	-	-	-	-	-	-

Terminal box

L	LC	H	HA	HD	HH	BI	AG	LL	BE	AH
343	-	90	-	-	70	16	92	92	-	-

Flange

P	N	LA	M	T	S	H	N	D	DA
200	130	10	165	3,5	11	-0,5	j6	k6	k6

Tolerances

Shaft-DS

D	E	GA	F	DB
24	50	27	8	DIN 332-DS M8 -

Shaft-NS

DA	EA	GC	FA
-	-	-	-

DB...Centre hole

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