



Manufacturer

Customer N3AR467

VEM motors Thurm GmbH
Äußere Dresdener Str. 35

08066 ZWICKAU
Deutschland

Three-phase motors with squirrel cage rotor, standard motors

Housing grey cast iron

Type		K21R 71 K6			
Duty type		S1			
Design output	(kW)	0,18/0,21			
Efficiency determination	(-)	EN 60034-2			
Design frequency	(Hz)	50/60			
Design speed	[rpm]	925			
Design voltage	(V)	220-240/380-420//255-290/440-500			

Connection	(-)	D	Y		
Design current	(A)				
Relative pull-in current	(-)	2,8			
Relative starting torque	(-)	1,6			
Relative pull-up torque	(-)	1,6			
Relative pull-out torque	(-)	2,1			
Loading state	(%)	100	75	50	25
Power factor	(-)	0,51	0,44	0,36	0,28
Efficiency	(%)	58	54,5	46	31
Th. cl.		155(F)			
Coolant temperature	(°C)	40°C			
Altitude above sea level	(m)	1000m			
Degree of protection IP		IP55			
Moment of inertia	(kgm ²)	0,00045			
Motor weight	(kg)	7,4			
Bearing, D-side		6202 2Z C3			
Bearing, N-side		6202 2Z C3			
Relubrication interval	(h)				
Grease type		Asonic GLY 32			
Grease amount	(g)				
A-sound pressure level	(dB)	41			

Options

Type of mounting	IMB5
Flange:	FF 130[A 160]
Terminal box	Standard
Position of terminal box	on the top
Cable gland	Sealing plug
Position of cable entry	right
Shaft	Standard
Bearing	Easy bearing arrangement (Wave Washer DE)
Special details to bearings	none
Bearing monitoring	none
Anti-condensation heating	none
	Version free of silicone
Limit values to vibration velocity	Class A
	Balancing with half key
Colour system	01 Moderate (KK C2),RAL 7031 blue-grey,60 µm

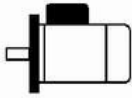
Delivery conditions and/or official regulations: IEC / EN 60034-1

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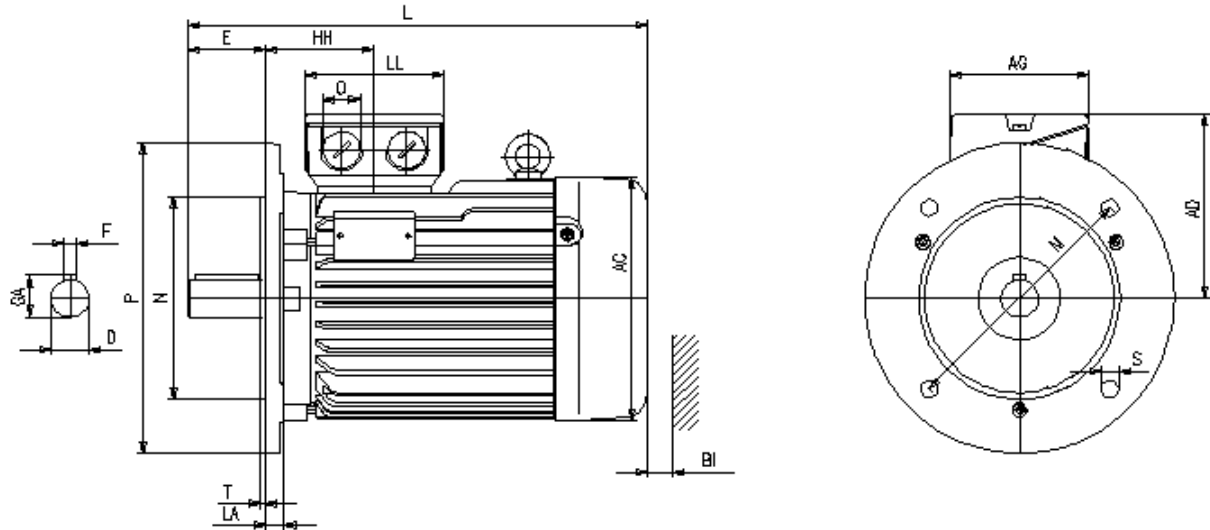
K21R 71 K6

Mounting position



Type of mounting: IMB5
Flange: FF 130[A 160]
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'
-	-	-	124	104	-	-	-	-	-	-	-	-	-

Terminal box

L	LC	H	HA	HD	HH	BI	AG	LL	BE	AH
206	-	71	-	-	61	14	92	92	-	-

Flange

P	N	LA	M	T	S	H	N	D	DA
160	110	9	130	3,5	9	-0,5	j6	k6	k6

Tolerances

Shaft-DS

D	E	GA	F	DB
14	30	16	5	DIN 332-DS M5 -

Shaft-NS

DA	EA	GC	FA
-	-	-	-

DB...Centre hole

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