



Manufacturer

VEM motors GmbH - Werk Zwickau
Äußere Dresdner Str. 35

Customer

akkerstraat 10

08066 ZWICKAU
Deutschland

Three-phase motors with squirrel cage rotor, standard motors, pole-changing, two speeds constant loading torque

Type	K21R 100 LX 4-2		
Number of poles	[-]	4	2
Design output	(kW)	2,6	3,1
Duty type		S1	
Efficiency determination	[-]	EN 60034-2	
Design frequency	(Hz)	50	
Design speed	[rpm]	1440	2900
Design voltage	(V)	400	
Connection	[-]	D/YY	
Design current	[A]	5.85	6.80
Relative pull-in current	[-]	6,1	7,3
Relative starting torque	[-]	1,7	1,6
Relative pull-up torque	[-]	1,7	1,6
Relative pull-out torque	[-]	2,5	2,6
Power factor	[-]	0,8	0,87
Efficiency	[%]	80	76
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 ²)	0,00725	
Motor weight	(kg)	30	
Bearing, D-side		6206 2Z C3	
Bearing, N-side		6206 2Z C3	
Relubrication interval	(h)		
Grease type		Asonic GLY 32	
Grease amount	(g)		

Options

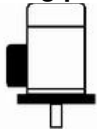
Type of mounting	IM V1
Flange	FF 215[A 250]
Terminal box	Standard
Position of terminal box	on the top
Cable gland	Sealing plug
Position of cable entry	right
Shaft	Standard, 1 shaft end
Bearing	Easy bearing arrangement
Limit values to vibration velocity	Class A
	Balancing with half key
Colour system	01 Moderate (KK C2),RAL 7031 blue-grey
Delivery conditions and/or official regulations:	IEC / EN 60034-1

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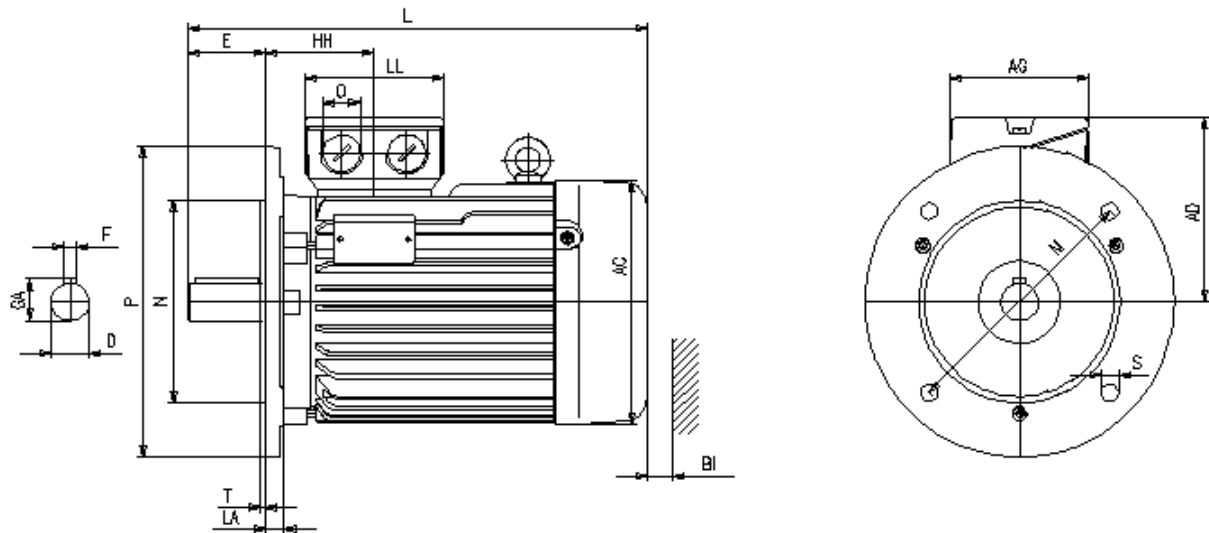
K21R 100 LX 4-2

Mounting position



Type of mounting: IM V1
 Flange: FF 215[A 250]
 Position of terminal box: on the top
 Brake type:
 Forced-ventilation:

Terminal box: KA 05
 Cable gland O: 2 xSealing plug



Motor

A	AA	AB	AC	AD	B	B'	BA	BA'	BB	C	CA	K	K'	
-	-	-	196	137	-	-	-	-	-	-	-	-	-	
											Protection cover		Terminal box	
L	LC	H	HA	HD	HH	BI	L	AG	LL	BE	AH	-	-	
357	-	100	-	-	77	20	-	92	92	-	-	-	-	

Flange

P	N	LA	M	T	S	Tolerances		H	N	D	DA
250	180	13	215	4	14			-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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