



Manufacturer

VEM motors GmbH - Werk Wernigerode
Carl-Friedrich-Gauß-Straße 1

Customer

akkerstraat 10

38855 WERNIGERODE
Deutschland

Three-phase motors with squirrel cage rotor,
Housing grey cast iron

Type	IE3-W42R 355 LX6 KSR KTY NS LL IL HW		
Design output	(kW)	355	
Design torque	(Nm)	3407	
Class IE	[-]	IE3-95,8%	
Efficiency determination		EN 60034-2-1	
Duty type		S1	
Design frequency	(Hz)	50	
Design speed	[rpm]	995	
Voltage	(V)	400/690	
Connection	[-]	D	Y
Current	[A]	660.0	382.6
Relative pull-in current	[-]	8,4	
Relative starting torque	[-]	2,1	
Relative pull-up torque	[-]	1,4	
Relative pull-out torque	[-]	2,7	
Efficiency100/75/50 %	[%]	95,8 / 95,8 / 95,4	
Power factor	[-]	0,81	
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)	14	
Motor weight	(kg)	2450	
Bearing, D-side		6324 C3	
Bearing, N-side		6317 MC3 VL0241	
Relubrication interval	(h)	4000	
Grease type		ASONIC GHY 72	
Grease amount	[cm ³]	90/57	
A-sound pressure level	(dB)	72	

Options

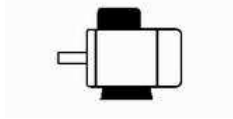
Type of mounting	IM B3
Flange	-
Terminal box	Standard
Position of terminal box	at an angle / right
Cable gland	Sealing plug
Position of cable entry	right
Shaft	Standard, 1 shaft end
Bearing	Relubrication device, easy bearing arrangement
Special details to bearings	Fixed bearing, N-side Insulated bearing, N-side
Winding protection	KTY 84-130, 1 piece
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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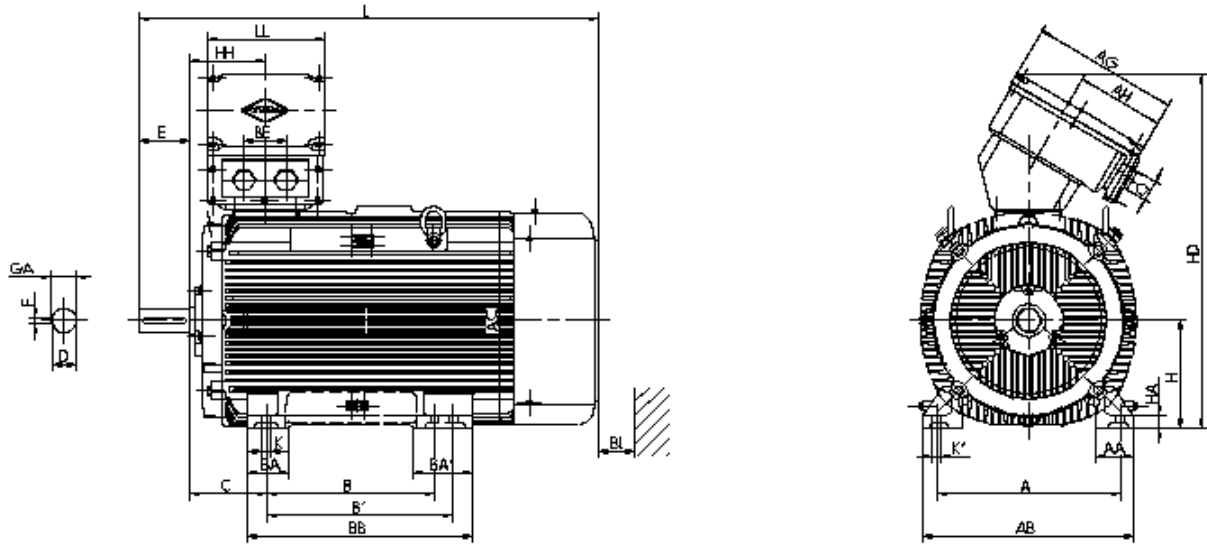
IE3-W42R 355 LX6 KSR KTY NS LL IL HW

Mounting position



Type of mounting: IM B3
Flange: -
Position of terminal box: at an angle / right
Brake type:
Forced-ventilation:

Terminal box: KK 1000 A
Cable gland O: 2 x Sealing plug



Motor

A	AA	AB	AC	AD	B	B'	BA	BA'	BB	C	CA	K	K'
610	130	700	715	759	630		140	200	750	254	-	28	35
L	LC	H	HA	HD	HH	BI	Protection cover				Terminal box		
1770	-	355	44	a.A.	327	110	L	AG	LL	BE	AH		
							-	615	474	200	385		

Flange

P	N	LA	M	T	S	Tolerances			
-	-	-	-	-	-	H	N	D	DA
						-1	h6	m6	m6

Shaft-DS

D	E	GA	F	DB
100	210	106	28	DIN 332 DS- M24

Shaft-NS

DA	EA	GC	FA
-	-	-	-

DB...Centre hole

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