



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	IE4-W61R 315 S8 NS LL HW		
Design output	(kW)	55	
Design torque	(Nm)	710	
Class IE	[-]	IE4-94,4%	
Efficiency determination		EN 60034-2-1	
Duty type		S1	
Design frequency	(Hz)	50	
Design speed	[rpm]	740	
Voltage	(V)	400/690	
Connection	[-]	D	Y
Current	[A]	109.0	63.2
Relative pull-in current	[-]	6	
Relative starting torque	[-]	1,7	
Relative pull-up torque	[-]	1,6	
Relative pull-out torque	[-]	2,3	
Efficiency100/75/50 %	[%]	94,4 / 94,7 / 94,4	
Power factor	[-]	0,77	
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)	2,63	
Motor weight	(kg)	700	
Bearing, D-side		6317 C3	
Bearing, N-side		6316 C3	
Relubrication interval	(h)	4000	
Grease type		ASONIC GHY 72	
Grease amount	[cm ³]	57/52	

Options

Type of mounting	IM V1 Protection cover
Flange	FF 600[A 660]
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	Relubrication device, easy bearing arrangement
Special details to bearings	Fixed bearing, N-side
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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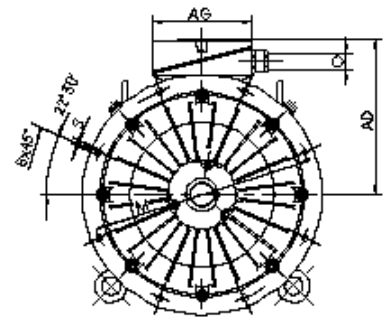
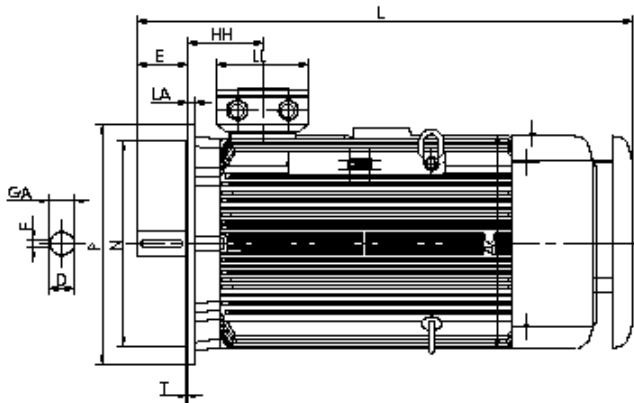
IE4-W61R 315 S8 NS LL HW

Mounting position



Type of mounting: IM V1 Protection cover
Flange: FF 600[A 660]
Position of terminal box: on the top
Brake type:
Forced-ventilation:

Terminal box: KK 200 A
Cable gland O: 1 xSealing plug



Motor

A	AA	AB	AC	AD	B	B'	BA	BA'	BB	C	CA	K	K'
-	-	-	550	416	-	-	-	-	-	-	-	-	-
Protection cover											Terminal box		
L	LC	H	HA	HD	HH	BI	L	AG	LL	BE	AH	-	-
-	-	315	-	-	211	100	1190	282	242	-	-	-	-

Flange

P	N	LA	M	T	S	Tolerances			
660	550	22	600	6	22	H	N	D	DA
						-1	h6	m6	m6

Shaft-DS

D	E	GA	F	DB
80	170	85	22	DIN 332 DS- M20

Shaft-NS

DA	EA	GC	FA
-	-	-	-

DB...Centre hole

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