

MF90B8B5IE3

GU

Squirrel cage asynchronous motor
Type of motor IEC 315L-8 IE3

8 poles - frame 315L - 90kW - 400/690V - 50Hz - Cast Iron - IE3

ELECTRICAL DATA		
Rated motor voltage	V	400/690
Rated frequency	Hz	50
Rated motor power	kW	90
Rated motor speed	rpm	735
Rated motor current	A	170/98
Starting/Rated current (Is/In)		6.4
Rated torque	Nm	1169
Starting/Rated torque (Ts/Tn)		1.8
Breakdown/Rated torque (Tmax/Tn)		2
Efficiency at 100%	%	93.4
Power factor at 100%		0.82

MECHANICAL DATA		
Balancing		Half Key
Bearing DE		6319 C3
Bearing NDE		6319 C3
Lubricant type		Total Multis Complex S2A

GENERAL DATA		
Frame size	mm	315
Type of mounting		B5
Flange in B5	mm	550x600x660
Weight	kg	1182
Degree of protection		IP55
Method of cooling		IC411
Material of housing		Cast Iron
Terminal box		See drawings / TOP
Insulation class - Temperature class		F/B 80K DOL F/F 105K in VSD S9 (35 - 50Hz)
Duty type		S1
Paint Ral n°		5003
Direction of rotation		Clockwise/Counterclockwise
Noise @ 1m	dB (A)	82
Inertia rotor	kgm ²	7.1981
Vibration class		Class B
Shaft diameter	mm	80

SITE CONDITIONS		
Ambient temperature	°C	-20 - +40°C
Altitude above sea level	m	0-1000m

SITE CONDITIONS		
3 x PTC 150°C Windings		included

STANDARDS		
Specification: IEC 60034-1	Vibration: IEC 60034-14	
Tests: IEC 60034-2	Tolerance: IEC 60034-1	
Noise: IEC 60034-9		

The rating plate values can be different from the calculated values: Data subject to changes.

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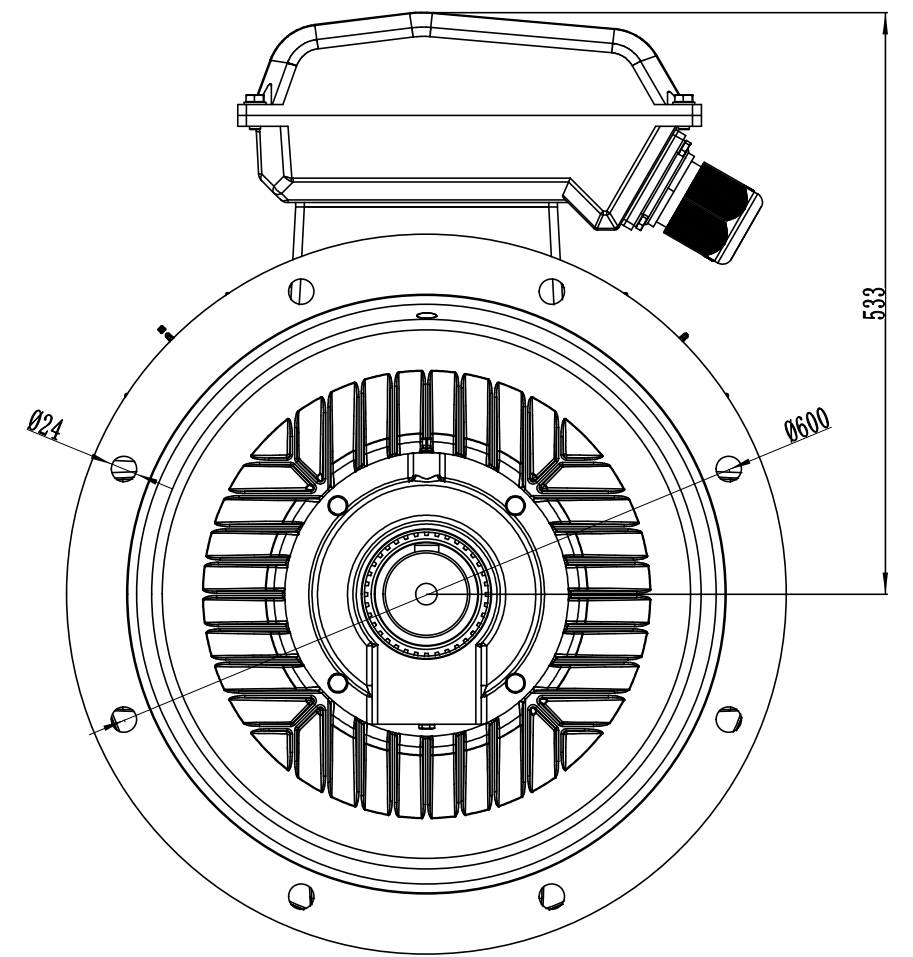
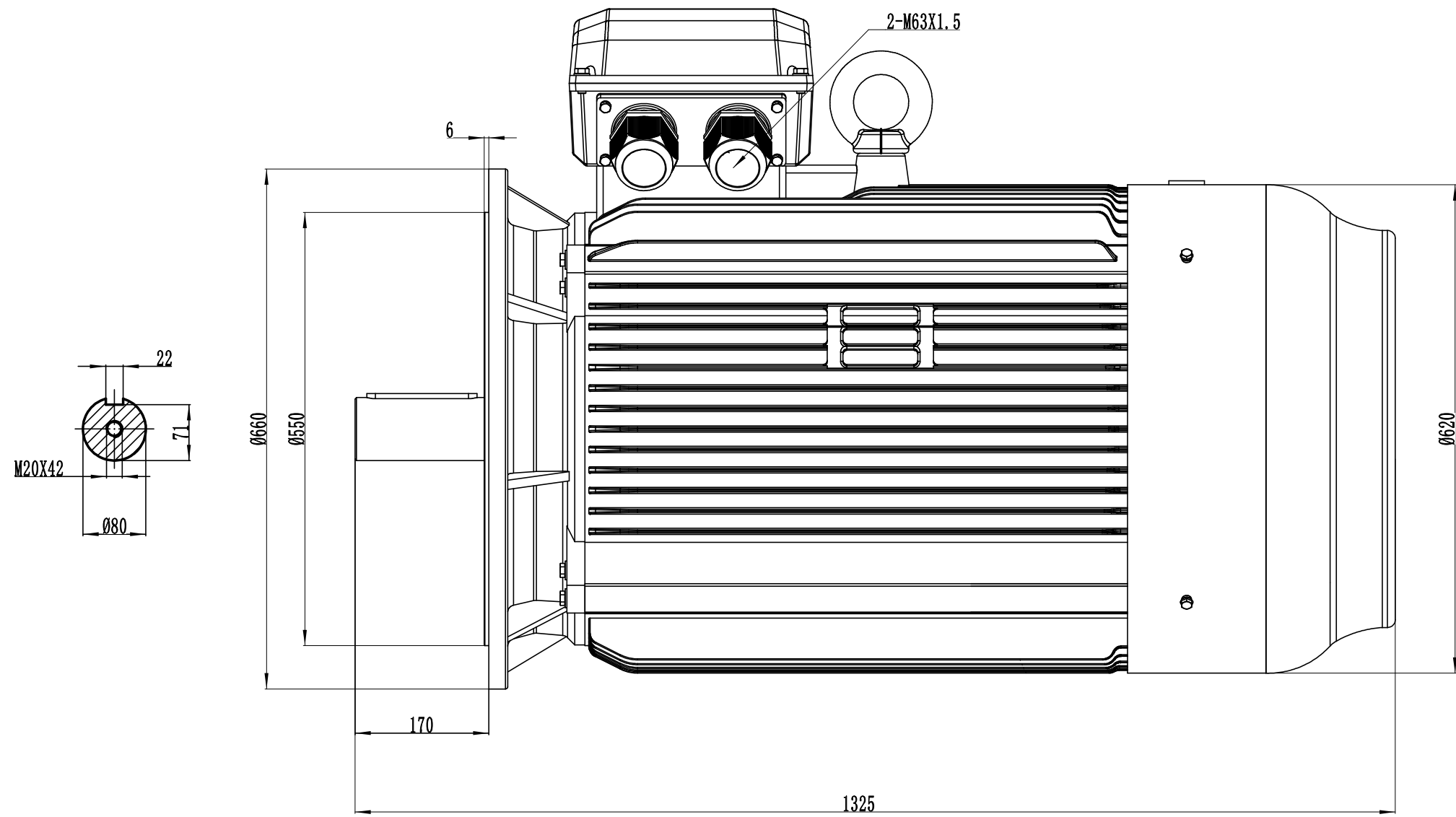
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