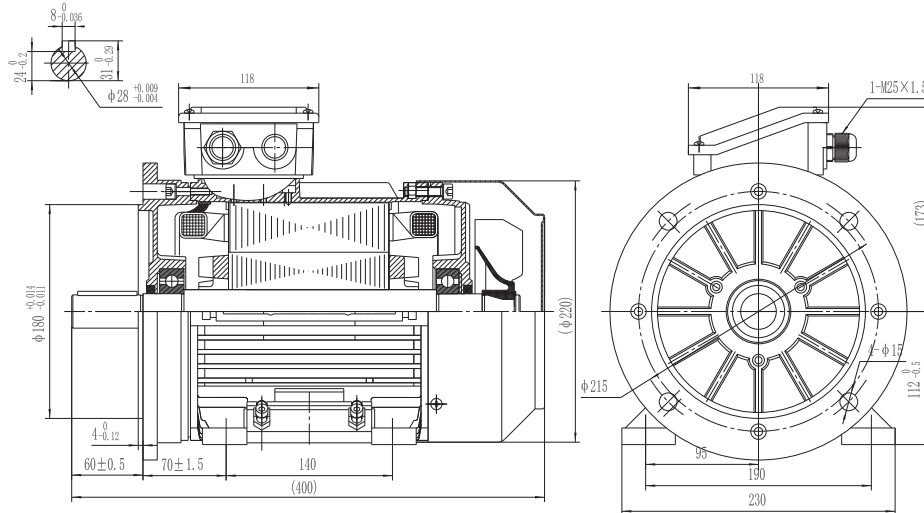


Type T2A 112M2-6

Cod. I112M603,0AA5A00000T

Mounting position

IM	B35
IM	2001



Electrical data				General data			
Rated motor power	3		Kw	Frame size	112		
Rated motor speed	955		min ⁻¹ 50Hz	Mounting	B35		
	1150		min ⁻¹ 60Hz	Weight	-		Kg
Rated motor frequency	50		Hz	Casing material	Aluminum		
Rated motor voltage(+/-10%)	230		VΔ/50Hz	Protection	IP	55	
	400		VY/50Hz	Insulation class	H		
	280		VΔ/60Hz	Tropicalization	Yes		
	480		VY/60Hz	Vibration class	A		
Rated motor torque	30.01		Nm (Mn)	Duty	S1		
Rated motor current	12.57	VΔ/50Hz	A (In)	Direction of rotation	Bidirectional		
	7.27	VY/50Hz	A (In)	Method of cooling	IC	411	
Starting motor current	5.7		xIn	Cable entry	2-M25x1,5		
Starting motor torque	2.3		xMn	Standards	IEC/DIN/ISO/VDE/EN		
Breakdown motor torque	2.8		xMn	Execute at Standard	IEC 60034-1		
Starting			D.O.L.	Feet removable	Yes		
Efficiency class	IE2			Paintwork	7024	C2 standard	
Efficiency	50Hz	60Hz		Thermal protections	n/a		
	83.3	-	100% load	Site conditions			
	84.4	-	75% load	Ambient temperature	from -20°C to +40°C		
	83.3	-	50% load	Altitude above sea level	1000 m		
Power factor cosφ	0.72	-	100% load				

Mechanical data				
Noise level	LpA	66	dB(A)	
	LwA	76	dB(A)	
Moment of inertia	0.01917		Kgm ²	
Bearings type			NSK	
Lubricants for bearings	See installation and maintenance manual		Bearing DE side	6306-2RS-C3
			Bearing NDE side	6206-2RS-C3
			Average bearing lifetime	40000 h
		Relubrication interval L1 DE bearing	- h	
		Relubrication interval L1 NDE bearing	- h	
		Compensation ring	NDE SIDE standard	

There may be differences between rating plate and calculated values.

Type Test Report

Type: T2A112M2-6

Voltage: 400/230 V

Output: 3 kW

Connection: Y/Δ

Frequency: 50 Hz

Duty: S1

Test Item		Result			
1.	Efficiency %	83.3			
2.	Power Factor	0.721			
3.	Tem. Rise of Stator Winding K	73			
4.	Vibration mm/s				
5.	Noise Lp dB (A) (Lw)				
6.	Breakdown Torque/Rated Torque	2.88			
7.	Pullup Torque/Rated Torque	2.14			
8.	Locked Rotor Tor./Rated Tor.	2.33			
9.	Locked Rotor Cur./Rated Cur.	5.61			
10.	High Voltage Test V	1800			
11.	Hot Insulation Res. of Stator Winding MΩ	300.			
12.	Temperature of Bearing °C	62			
13.	Unbalance of Current %	4.31			
14.	Full Load line Current A	7.210			
15.	Full Load input W	3599			
16.	Full Load torque Nm	29.87			
17.	Max.temp.of enclosure surface °C	59.9			
18.	No Load Current A	4.899			
19.	Slip %	4.495			
20.	Stator Winding phase resistance Ω (95°C)	2.1381			
21.	Stray Load Loss W	43.63			
22.	No Load Stator Power W	211.5			
23.	Core Loss W	66.67			
24.	Friction & Windage Loss W	8.390			
25.	Locked Rotor Power W	16264			
26.	Stator I ii R Loss W	337.1			
27.	Rotor I ii R Loss W	143.6			
28.	Locked Rotor Voltage 100.0V	Current A	6.469	Power W	498.2
Remark:					
75%eff: 84.50 50%eff: 83.40					

Check:

Operator:

Torque - Speed Curve

Type: T2A112M2-6

Output: 3 kW

Frequency: 50 Hz

Voltage: 400/230 V

Connection: Y/Δ

