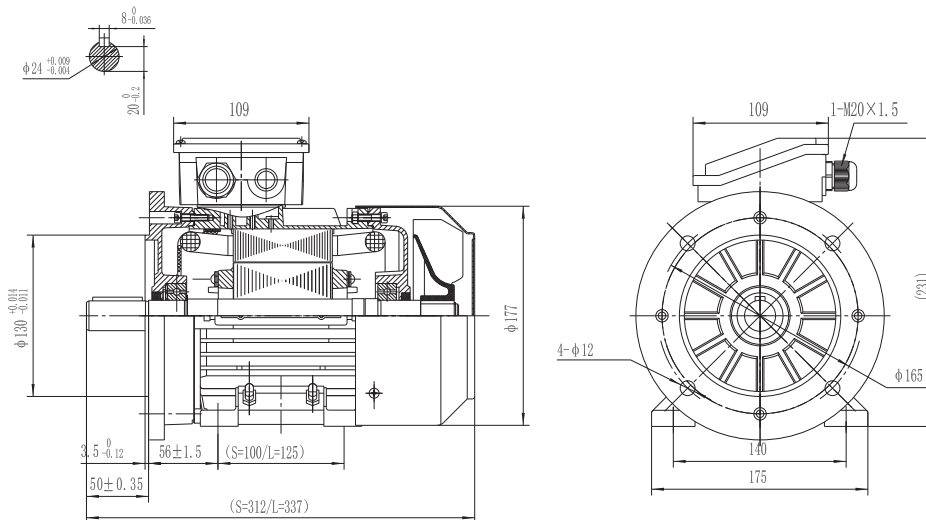


Type T2A 90L2-2

Cod. I090L203,0AA5A00000T

Mounting position

IM	B35
IM	2001



Electrical data			
Rated motor power	3		Kw
Rated motor speed	2880		min ⁻¹ 50Hz
	3460		min ⁻¹ 60Hz
Rated motor frequency	50		Hz
Rated motor voltage(+/-10%)	230		VΔ/50Hz
	400		VY/50Hz
	280		VΔ/60Hz
	480		VY/60Hz
Rated motor torque	9.95		Nm (Mn)
Rated motor current	10.48	VΔ/50Hz	A (In)
	6.06	VY/50Hz	A (In)
Starting motor current	7.9		xIn
Starting motor torque	3.4		xMn
Breakdown motor torque	3.3		xMn
Starting			D.O.L.
Efficiency class	IE2		
Efficiency	50Hz	60Hz	
	84.6	-	100% load
	85.8	-	75% load
	85.2	-	50% load
Power factor cosφ	0.85	-	100% load

General data		
Frame size	90	
Mounting	B35	
Weight	-	Kg
Casing material	Aluminum	
Protection	IP	55
Insulation class	H	
Tropicalization	Yes	
Vibration class	A	
Duty	S1	
Direction of rotation	Bidirectional	
Method of cooling	IC	411
Cable entry	1-M20x1,5	
Standards	IEC/DIN/ISO/VDE/EN	
Execute at Standard	IEC 60034-1	
Feet removable	Yes	
Paintwork	7024	C2 standard
Thermal protections	n/a	

Site conditions	
Ambient temperature	from -20°C to +40°C
Altitude above sea level	1000 m

Mechanical data					
Noise level	LpA	75	dB(A)	Bearing DE side	6205-2RS-C3
	LwA	85	dB(A)	Bearing NDE side	6205-2RS-C3
Moment of inertia	0.00297		Kgm ²	Average bearing lifetime	40000 h
Bearings type			NSK	Relubrication interval L1 DE bearing	- h
Lubricants for bearings	See installation and maintenance manual			Relubrication interval L1 NDE bearing	- h
				Compensation ring	NDE SIDE

There may be differences between rating plate and calculated values.

Type Test Report

Type: T2A90L2-2
 Output: 3 kW
 Frequency: 50 Hz

Voltage: 400/230 V
 Connection: Y/Δ
 Duty: S1

Test Item		Result			
1.	Efficiency %	85.1			
2.	Power Factor	0.850			
3.	Tem. Rise of Stator Winding K	75			
4.	Vibration mm/s				
5.	Noise Lp dB (A) (Lw)				
6.	Breakdown Torque/Rated Torque	3.42			
7.	Pullup Torque/Rated Torque	2.34			
8.	Locked Rotor Tor./Rated Tor.	3.51			
9.	Locked Rotor Cur./Rated Cur.	7.91			
10.	High Voltage Test V	1800			
11.	Hot Insulation Res. of Stator Winding MΩ	300.			
12.	Temperature of Bearing °C	59			
13.	Unbalance of Current %	2.97			
14.	Full Load line Current A	5.986			
15.	Full Load input W	3526			
16.	Full Load torque Nm	9.848			
17.	Max.temp.of enclosure surface °C	56.5			
18.	No Load Current A	3.217			
19.	Slip %	3.807			
20.	Stator Winding phase resistance Ω (95°C)	2.1675			
21.	Stray Load Loss W	53.77			
22.	No Load Stator Power W	170.8			
23.	Core Loss W	90.31			
24.	Friction & Windage Loss W	21.14			
25.	Locked Rotor Power W	26122			
26.	Stator I ii R Loss W	238.7			
27.	Rotor I ii R Loss W	121.7			
28.	Locked Rotor Voltage 100.0V	Current A	8.524	Power W	978.4
Remark:					
75%eff: 86.25 50%eff: 85.60					

Check:

Operator:

Torque - Speed Curve

Type: T2A90L2-2

Output: 3 kW

Frequency: 50 Hz

Voltage: 400/230 V

Connection: Y/Δ

