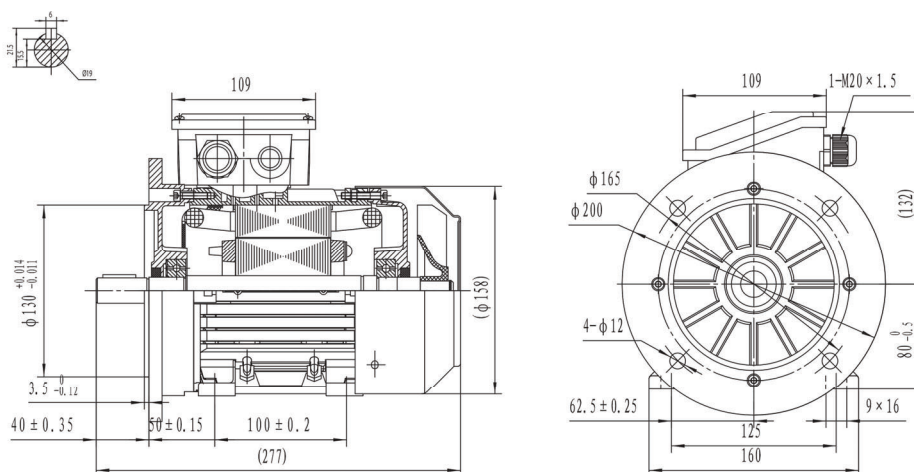


Type T2A 803-2

Cod. I080Y201,5AA5A00000T

Mounting position

IM	B35
IM	2001



Electrical data			
Rated motor power	1.5		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	4.98		Nm (Mn)
Rated motor current	5.52	VΔ/50Hz	A (In)
	3.19	VY/50Hz	A (In)
Starting motor current	7.4		xIn
Starting motor torque	2.9		xMn
Breakdown motor torque	3.1		xMn
Starting			D.O.L.
Efficiency class	IE2		
Efficiency	50Hz	60Hz	
	81.3	-	100% load
	82	-	75% load
	80.4	-	50% load
Power factor cosφ	0.84	-	100% load

General data		
Frame size	80	
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)
	LwA	84	dB(A)
Moment of inertia	0.00143		Kgm ²
Bearings type			NSK
Lubricants for bearings	See installation and maintenance manual		
	Bearing DE side	6204-2RS-C3	
	Bearing NDE side	6204-2RS-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: T2A803-2

Voltage: 400/230 V

Output: 1.5 kW

Connection: Y/Δ

Frequency: 50 Hz

Duty: S1

Test Item		Result			
1.	Efficiency %	82.8			
2.	Power Factor	0.838			
3.	Tem. Rise of Stator Winding K	72			
4.	Vibration mm/s				
5.	Noise Lp dB (A) (Lw)				
6.	Breakdown Torque/Rated Torque	3.20			
7.	Pullup Torque/Rated Torque	2.05			
8.	Locked Rotor Tor./Rated Tor.	2.98			
9.	Locked Rotor Cur./Rated Cur.	7.37			
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 %	1.70			
14.	Full Load line Current A	3.122			
15.	Full Load input W	1813			
16.	Full Load torque Nm	4.966			
17.	Max.temp.of enclosure surface °C	59.1			
18.	No Load Current A	1.929			
19.	Slip %	4.029			
20.	Stator Winding phase resistance Ω (95°C)	5.1689			
21.	Stray Load Loss W	22.40			
22.	No Load Stator Power W	125.5			
23.	Core Loss W	62.43			
24.	Friction & Windage Loss W	11.20			
25.	Locked Rotor Power W	13354			
26.	Stator I ii R Loss W	152.1			
27.	Rotor I ii R Loss W	64.38			
28.	Locked Rotor Voltage 100.0V	Current A	4.623	Power W	601.6
Remark: <div style="display: flex; justify-content: space-around; margin-top: 10px;"> 75%eff: 83.44 50%eff: 81.79 </div>					

Check:

Operator:

Torque - Speed Curve

Type: T2A803-2

Output: 1.5 kW

Frequency: 50 Hz

Voltage: 400/230 V

Connection: Y/Δ

