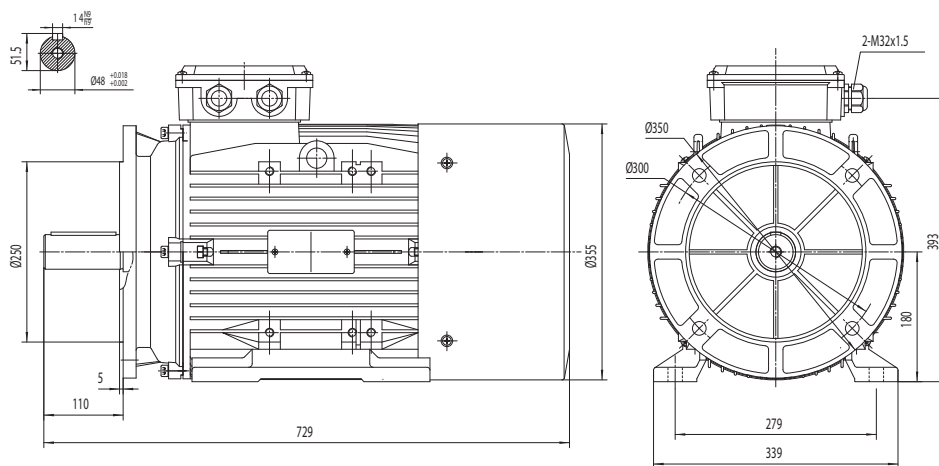


Type T3A 180L-4

Cod. R180L422,0AB5A60000T

Mounting position

IM	B35
IM	2001



Electrical data			
Rated motor power	22		Kw
Rated motor speed	1470		min ⁻¹ 50Hz
	1765		min ⁻¹ 60Hz
Rated motor frequency	50		Hz
Rated motor voltage(+/-10%)	400		VΔ/50Hz
	690		VY/50Hz
	480		VΔ/60Hz
	830		VY/60Hz
Rated motor torque	142.99		Nm (Mn)
Rated motor current	39.7	VΔ/50Hz	A (In)
	22.95	VY/50Hz	A (In)
Starting motor current	9.3		xIn
Starting motor torque	3		xMn
Breakdown motor torque	3.5		xMn
Starting			D.O.L.
Efficiency class	IE3		
Efficiency	50Hz	60Hz	
	93	93.3	100% load
	93.1	92.6	75% load
	92.3	91.9	50% load
Power factor cosφ	0.86	0.86	100% load

General data		
Frame size	180	
Mounting	B35	
Weight	136.7	Kg
Casing material	Aluminum	
Protection	IP	56
Insulation class	H	
Tropicalization	Yes	
Vibration class	A	
Duty	S1	
Direction of rotation	Bidirectional	
Method of cooling	IC	411
Cable entry	2-M40x1,5+1M16x1,5	
Standards	IEC/DIN/ISO/VDE/EN	
Execute at Standard	IEC 60034-1	
Feet removable	Yes	
Paintwork	7024	C5M marine
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	67	dB(A)
	LwA	76	dB(A)
Moment of inertia	0.20064		Kgm ²
Bearings type			NSK
Lubricants for bearings	See installation and maintenance manual		
	Bearing DE side	6311-2RS-C3	
	Bearing NDE side	6211-2RS-C3	
	Average bearing lifetime	40000	h
Relubrication interval L1 DE bearing	life	h	
Relubrication interval L1 NDE bearing	life	h	
Compensation ring	NDE SIDE	standard	

There may be differences between rating plate and calculated values.

Type Test Report

Type: T3A 180L-4

Voltage: 400 V

Output: 22 kW

Connection: Δ

Frequency: 50 Hz

Duty: S1

Test Item		Result
1.	Efficiency %	93.4
2.	Power Factor	0.865
3.	Tem. Rise of Stator Winding K	50
4.	Vibration mm/s	
5.	Noise Lp dB (A) (Lw)	
6.	Breakdown Torque/Rated Torque	3.59
7.	Pullup Torque/Rated Torque	2.18
8.	Locked Rotor Tor./Rated Tor.	3.06
9.	Locked Rotor Cur./Rated Cur.	9.23
10.	High Voltage Test V	1800
11.	Hot Insulation Res. of Stator Winding M Ω	300.
12.	Temperature of Bearing $^{\circ}$ C	55
13.	Unbalance of Current %	4.43
14.	Full Load line Current A	39.32
15.	Full Load input KW	23.55
16.	Full Load torque Nm	141.1
17.	Max.temp.of enclosure surface $^{\circ}$ C	44.0
18.	No Load Current A	16.26
19.	Slip %	1.658
20.	Stator Winding phase resistance Ω (95 $^{\circ}$ C)	0.378
21.	Stray Load Loss KW	0.0981
22.	No Load Stator Power KW	0.6217
23.	Core Loss KW	0.4101
24.	Friction & Windage Loss KW	0.122
25.	Locked Rotor Power KW	127.2
26.	Stator I ii R Loss KW	0.5488
27.	Rotor I ii R Loss KW	0.3745
28.	Locked Rotor Voltage V	Current A
		Power W
Remark:		

Check:

Operator: