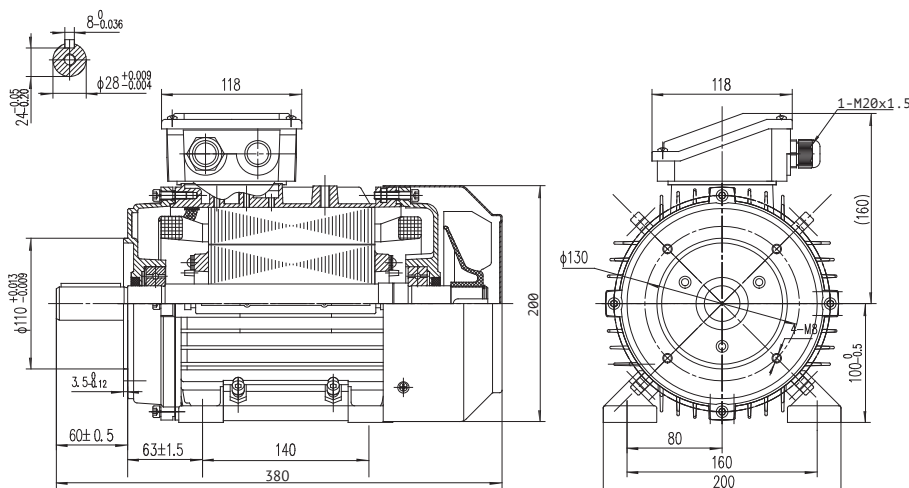


Type T2A 100L2-4

Cod. S100L403,0BA5A00000T

Mounting position

IM	B34
IM	2101



Electrical data			
Rated motor power	3		Kw
Rated motor speed	1450		min ⁻¹ 50Hz
	1740		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	19.77		Nm (Mn)
	11.02	VΔ/50Hz	A (In)
Rated motor current	6.37	VY/50Hz	A (In)
	7.6		xIn
Starting motor torque	2.3		xMn
Breakdown motor torque	3.2		xMn
Starting			D.O.L.
Efficiency class	IE2		
Efficiency	50Hz	60Hz	
	85.5	87.9	100% load
	86.1	87.8	75% load
	84.9	87.9	50% load
Power factor cosφ	0.8	0.8	100% load

General data		
Frame size	100	
Mounting	B34	
Weight	26.1	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	2-M20x1,5	
Standards	ATEX 3GD	
Execute at Standard	ATEX 2014/34/UE 3GD	
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

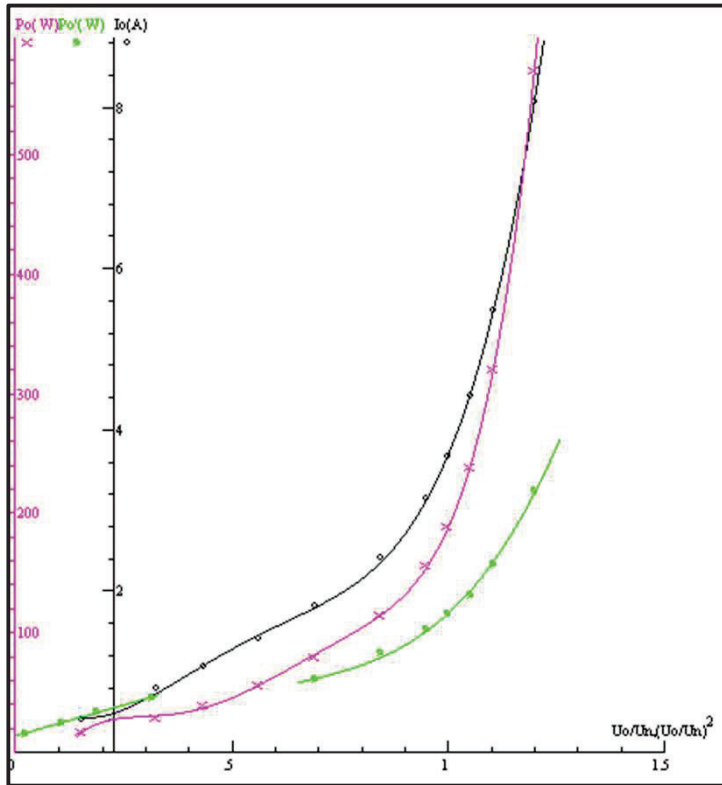
Mechanical data					
Noise level	LpA	70	dB(A)	Bearing DE side	6206-2RS-C3
	LwA	80	dB(A)	Bearing NDE side	6206-2RS-C3
Moment of inertia	0.00974		Kgm ²	Average bearing lifetime	40000 h
Bearings type			NSK	Relubrication interval L1 DE bearing	life h
Lubricants for bearings	See installation and maintenance manual			Relubrication interval L1 NDE bearing	life h
				Compensation ring	NDE SIDE

There may be differences between rating plate and calculated values.

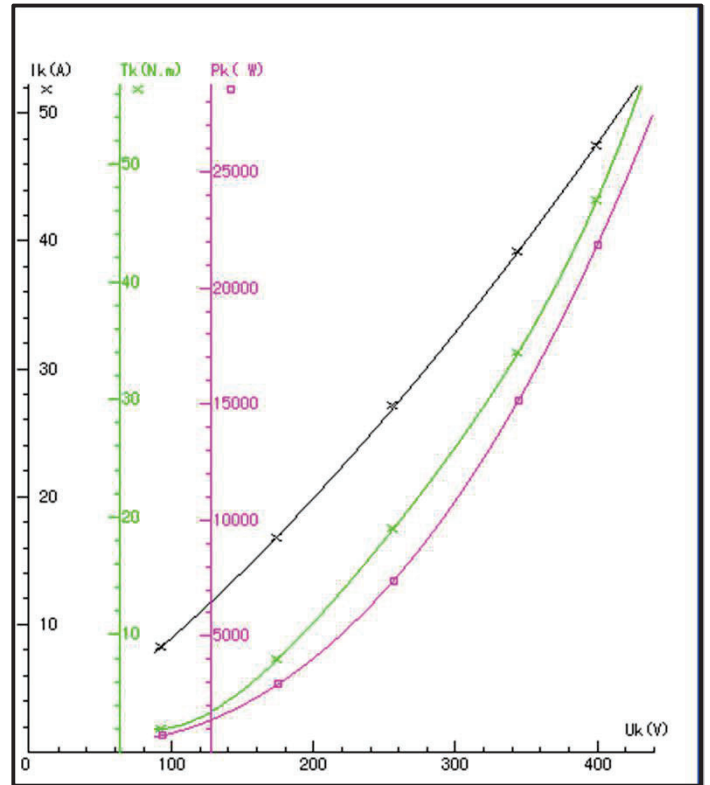
Type: T2A100L2-4 Voltage: 400/230 V
 Output 3 KW Connection: Y/ Δ
 Frequency: 50 Hz Duty: S1

Test Item		Standard		Result	
		Nominal	Tol		
1	Efficiency %			85,98	
2	Power Factor			0,804	
3	Tem. Rise of Stator Winding K			59,2	
4	Vibration mm/s				
5	Noise Lp dB (A) (Lw)				
6	Breakdown Torque/Rated Torque			3,25	
7	Pullup Torque/Rated Torque			2,44	
8	Locked Rotor Tor./Rated Tor.			2,39	
9	Locked Rotor Cur./Rated Cur.			7,6	
10	High Voltage Test V			1800	
11	Hot Insulation Res. of Stator Winding MΩ			300	
12	Temperature of Bearing °C			68	
13	Unbalance of Current %			1,79	
14	Full Load line Current A			6,265	
15	Full-load input power (W)			3489,3	
16	Full Load torque Nm			19,67	
17	Max.temp.of enclosure surface °C			65,9	
18	No Load Current A			3,689	
19	Slip %			3,4701	
20	Winding phase resistance 95 ° C			2,0259	
21	Stary-load loss (W)			34,459	
22	No-load input power (W)			187,84	
23	Core loss (W)			100,08	
24	Friction and wind age loss(W)			13,896	
25	Locked Rotor Power (W)			21809	
26	StatorI2Rloss (W)			231,29	
27	RotorI2Rloss (W)			109,58	
28	Locked Rotor Voltage 100 V	Current A	8,935	Power W	820,8
50%eff: 86,598 75%eff: 85,353					

NO LOAD



LOCKED ROTOR



LOAD

