

Type T3A 802-2

Cod. R080Y201,1BA5A00000T

Mounting position

IM	B34
IM	2101

Drawings available upon request

Electrical data				General data			
Rated motor power	1.1		Kw	Frame size	80		
Rated motor speed	2900		min ⁻¹ 50Hz	Mounting	B34		
	3480		min ⁻¹ 60Hz	Weight	10.3	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	3.62		Nm (Mn)	Duty	S1		
Rated motor current	4.08	VΔ/50Hz	A (In)	Direction of rotation	Bidirectional		
	2.36	VY/50Hz	A (In)	Method of cooling	IC	411	
Starting motor current	8.7		xIn	Cable entry	1-M20x1,5		
Starting motor torque	3.4		xMn	Standards	IEC/DIN/ISO/VDE/EN		
Breakdown motor torque	3.4		xMn	Execute at Standard	IEC 60034-1		
Starting			D.O.L.	Feet removable	Yes		
Efficiency class	IE3			Paintwork	7024	C2 standard	
Efficiency	50Hz	60Hz		Thermal protections	n/a		
	82.7	82.8	100% load	Site conditions			
	82.5	82.2	75% load	Ambient temperature	from -20°C to +40°C		
	79.9	81.6	50% load	Altitude above sea level	1000 m		
Power factor cosφ	0.82	0.82	100% load				

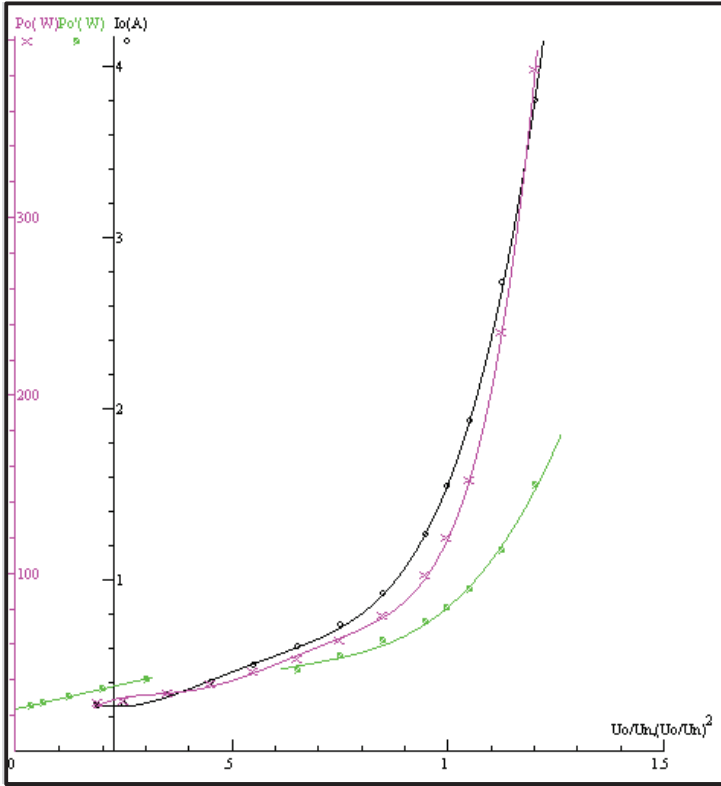
Mechanical data						
Noise level	LpA	75	dB(A)	Bearing DE side	6204-2RS-C3	
	LwA	84	dB(A)	Bearing NDE side	6204-2RS-C3	
Moment of inertia	0.00128		Kgm ²	Average bearing lifetime	40000	h
Bearings type			NSK	Relubrication interval L1 DE bearing	life	h
Lubricants for bearings	See installation and maintenance manual			Relubrication interval L1 NDE bearing	life	h
				Compensation ring	NDE SIDE	standard

There may be differences between rating plate and calculated values.

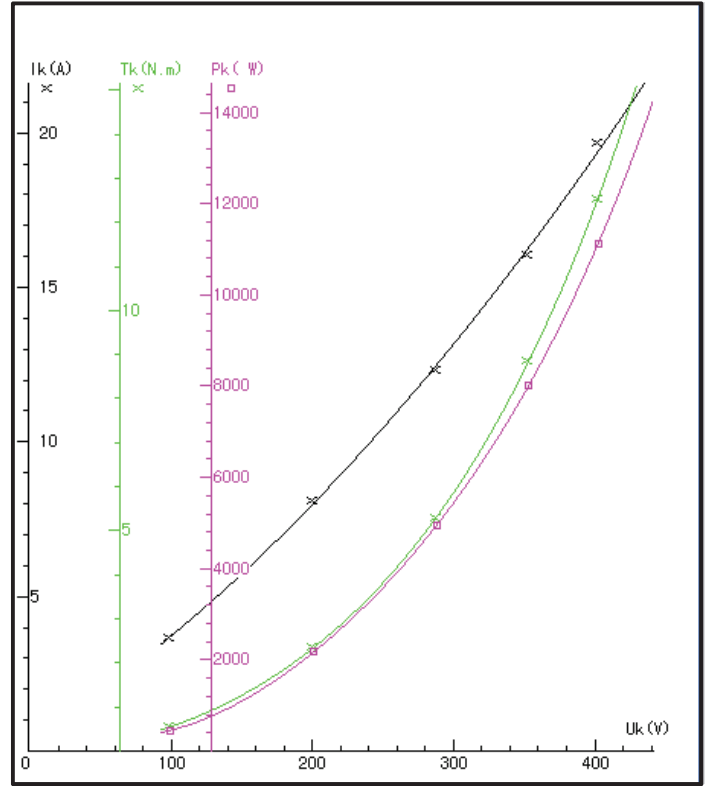
Type: T3A802-2 Voltage: 400/230 V
 Output 1,1 KW Connection: Y/Δ
 Frequency: 50 Hz Duty: S1

Test Item		Standard		Result	
		Nominal	Tol		
1	Efficiency %			83,13	
2	Power Factor			0,803	
3	Tem. Rise of Stator Winding K			46,4	
4	Vibration mm/s				
5	Noise Lp dB (A) (Lw)				
6	Breakdown Torque/Rated Torque			3,51	
7	Pullup Torque/Rated Torque			2,62	
8	Locked Rotor Tor./Rated Tor.			3,41	
9	Locked Rotor Cur./Rated Cur.			8,09	
10	High Voltage Test V			1800	
11	Hot Insulation Res. of Stator Winding MΩ			300	
12	Temperature of Bearing °C			54	
13	Unbalance of Current %			2,16	
14	Full Load line Current A			2,378	
15	Full-load input power (W)			1323,3	
16	Full Load torque Nm			3,6154	
17	Max.temp.of enclosure surface °C			51,5	
18	No Load Current A			1,554	
19	Slip %			3,0828	
20	Winding phase resistance 95 ° C			6,0984	
21	Stary-load loss (W)			11,438	
22	No-load input power (W)			119,16	
23	Core loss (W)			55,877	
24	Friction and wind age loss(W)			23,712	
25	Locked Rotor Power (W)			10939	
26	StatorI2Rloss (W)			96,199	
27	RotorI2Rloss (W)			36,106	
28	Locked Rotor Voltage 100 V	Current A	3,726	Power W	459,6
50%eff: 82,571 75%eff: 79,475					

NO LOAD



LOCKED ROTOR



LOAD

