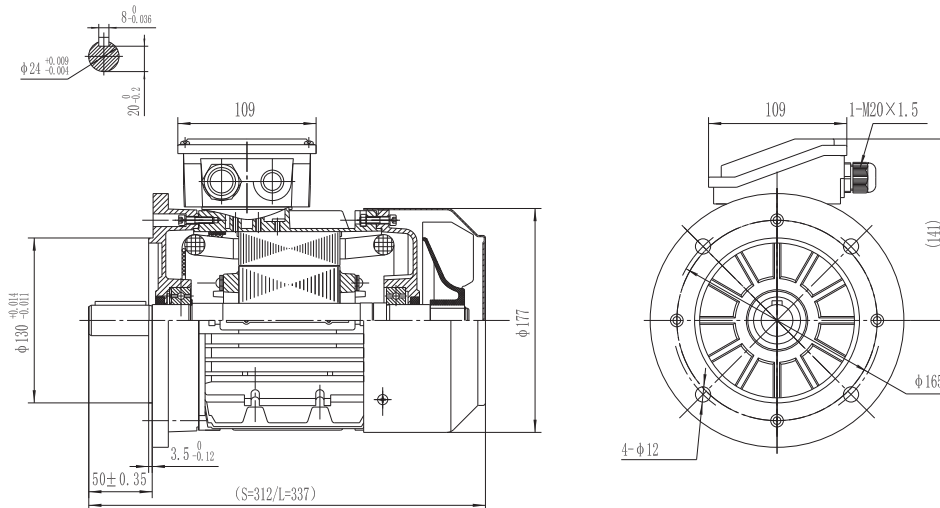


Type T3A 90L-2

Cod. R0900202,2B5A5A0TAMT

Mounting position

IM	B5
IM	3001



Electrical data			
Rated motor power	2.2		Kw
Rated motor speed	2845		min ⁻¹ 50Hz
	3415		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	7.38		Nm (Mn)
	7.65	VΔ/50Hz	A (In)
Rated motor current	4.42	VY/50Hz	A (In)
	7		xIn
Starting motor torque	2.6		xMn
Breakdown motor torque	2.7		xMn
Starting			D.O.L.
Efficiency class	IE3		
Efficiency	50Hz	60Hz	
	86	85.9	100% load
	86.7	85.3	75% load
	85.6	84.6	50% load
Power factor cosφ	0.84	0.84	100% load

General data			
Frame size	90		
Mounting	B5		
Weight	21		Kg
Casing material	Aluminum		
Protection	IP		55
Insulation class/Temperature rise	F	/	B
Tropicalization	Yes		
Vibration class	N		
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	RAL	7024	dark grey
Thermal protections	PTC 150°C		Standard

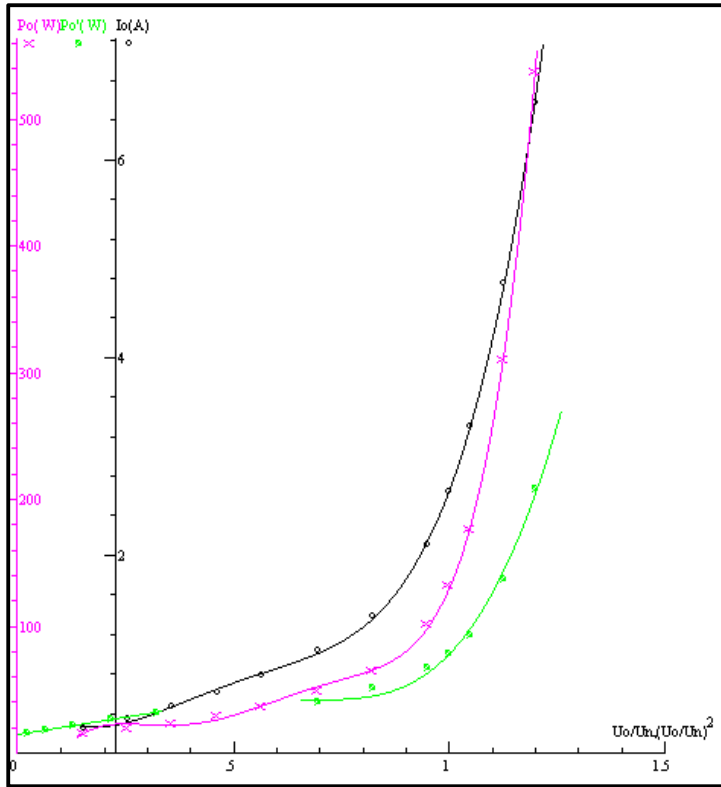
Site conditions	
Ambient temperature	from -20°C to +40°C
Altitude above sea level	1000 m

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	0.0024		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 page 12			Relubrication interval L1 NDE bearing	life h
				Compensation ring	NDE SIDE

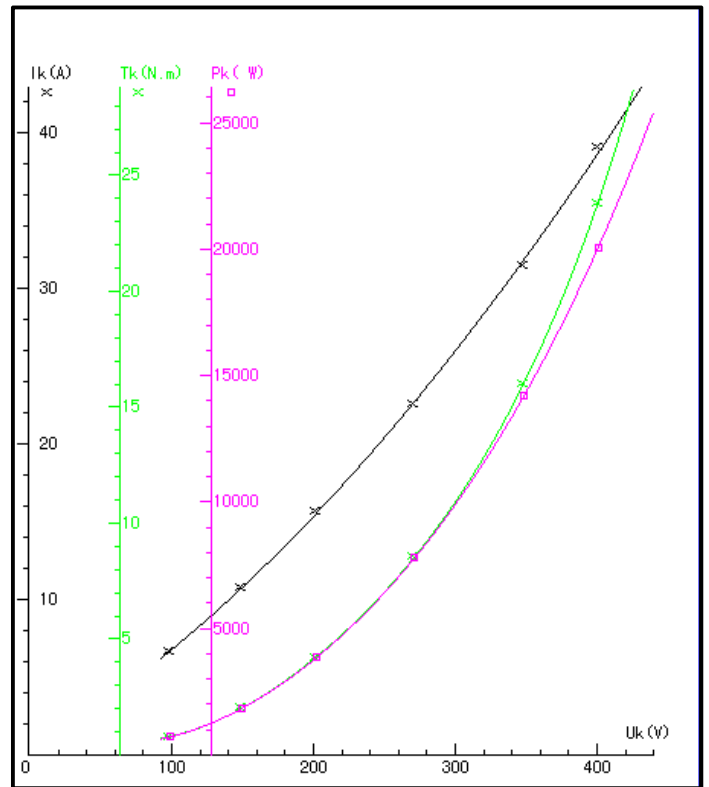
Type: T3A90L-2 Voltage: 400/230 V Design No: Shanghai Techtop Motor Co., Ltp
 Output 2, 2 KW Connection: Y/ Δ
 Frequency: 50 Hz Duty: S1 Report No: 20101220002

Test Item		Standard		Result	
		Nominal	Tol		
1	Efficiency %			85, 98	
2	Power Factor			0, 829	
3	Tem. Rise of Stator Winding K			67, 4	
4	Vibration mm/s				
5	Noise Lp dB (A) (Lw)				
6	Breakdown Torque/Rated Torque			3, 4	
7	Pullup Torque/Rated Torque			2, 16	
8	Locked Rotor Tor./Rated Tor.			3, 25	
9	Locked Rotor Cur./Rated Cur.			8, 65	
10	High Voltage Test V			1800	
11	Hot Insulation Res. of Stator Winding MΩ			300	
12	Temperature of Bearing °C			50	
13	Unbalance of Current %			2, 08	
14	Full Load line Current A			4, 457	
15	Full-load input power (W)			2558, 7	
16	Full Load torque Nm			7, 2995	
17	Max.temp.of enclosure surface °C			48, 2	
18	No Load Current A			2, 649	
19	Slip %			3, 4671	
20	Winding phase resistance 95 ° C			3, 1153	
21	Stary-load loss (W)			18, 426	
22	No-load input power (W)			129, 52	
23	Core loss (W)			60, 744	
24	Friction and wind age loss(W)			14, 817	
25	Locked Rotor Power (W)			19951	
26	StatorI2Rloss (W)			184, 5	
27	RotorI2Rloss (W)			80, 21	
28	Locked Rotor Voltage 100 V	Current A	6, 783	Power W	735,5
		50%eff: 86, 705		75%eff: 85, 576	

NO LOAD



LOCKED ROTOR



LOAD

