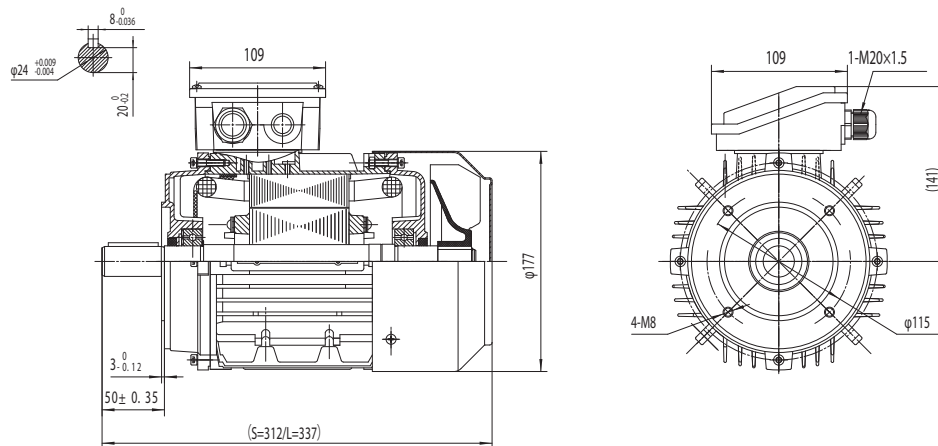


Type T3A 90L-4

Cod. R0900401,514A5A0TAMT

Mounting position

IM	B14
IM	3601



Electrical data			
Rated motor power	1.5		Kw
Rated motor speed	1420		min^{-1} 50Hz
	1705		min^{-1} 60Hz
Rated motor frequency	50		Hz
Rated motor voltage(+/-10%)	230		V Δ /50Hz
	400		VY/50Hz
	280		V Δ /60Hz
	480		VY/60Hz
Rated motor torque	10.09		Nm (Mn)
	5.56	V Δ /50Hz	A (In)
Rated motor current	3.21	VY/50Hz	A (In)
	6.4		xIn
Starting motor torque	2.4		xMn
Breakdown motor torque	2.7		xMn
Starting			D.O.L.
Efficiency class	IE3		
Efficiency	50Hz	60Hz	
	85.8	85.4	100% load
	86	84.8	75% load
	84.3	84.1	50% load
Power factor $\cos\phi$	0.79	0.79	100% load

General data			
Frame size	90		
Mounting	B14		
Weight	21.6		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	70	dB(A)	Bearing DE side	6205-2RS-C3	
	LwA	80	dB(A)	Bearing NDE side	6205-2RS-C3	
Moment of inertia	0.00375		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 standard

Type: T3A90L-4 Voltage: 400/230 V Design No: Shanghai Techtop Motor Co., Ltp
 Output 1,5 KW Connection: Y/Δ
 Frequency: 50 Hz Duty: S1 Report No: 20100831002

Test Item		Standard		Result	
		Nominal	Tol		
1	Efficiency %			85,69	
2	Power Factor			0,702	
3	Tem. Rise of Stator Winding K			44	
4	Vibration mm/s				
5	Noise Lp dB (A) (Lw)				
6	Breakdown Torque/Rated Torque			3,67	
7	Pullup Torque/Rated Torque			2,94	
8	Locked Rotor Tor./Rated Tor.			3,85	
9	Locked Rotor Cur./Rated Cur.			7,22	
10	High Voltage Test V			1800	
11	Hot Insulation Res. of Stator Winding MΩ			300	
12	Temperature of Bearing °C			60	
13	Unbalance of Current %			0,33	
14	Full Load line Current A			3,597	
15	Full-load input power (W)			1750,5	
16	Full Load torque Nm			9,9454	
17	Max.temp.of enclosure surface °C			58,3	
18	No Load Current A			2,467	
19	Slip %			3,6801	
20	Winding phase resistance 95 ° C			3,3535	
21	Stary-load loss (W)			18,158	
22	No-load input power (W)			107,65	
23	Core loss (W)			46,316	
24	Friction and wind age loss(W)			7,7638	
25	Locked Rotor Power (W)			11815	
26	StatorI2Rloss (W)			119,95	
27	RotorI2Rloss (W)			58,301	
28	Locked Rotor Voltage 100 V	Current A	4,103	Power W	329,3

Remark:

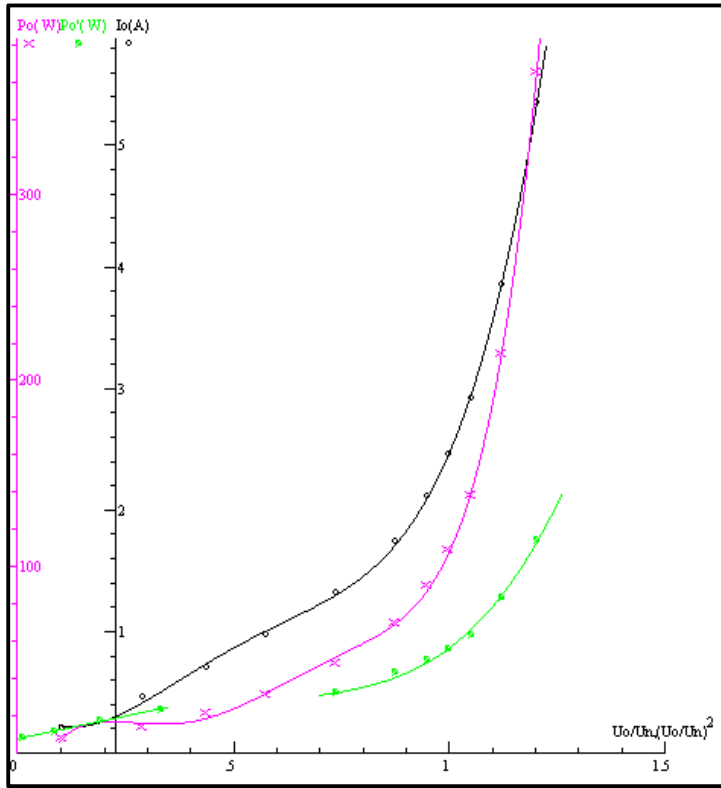
50%eff: 85,983

75%eff: 84,284

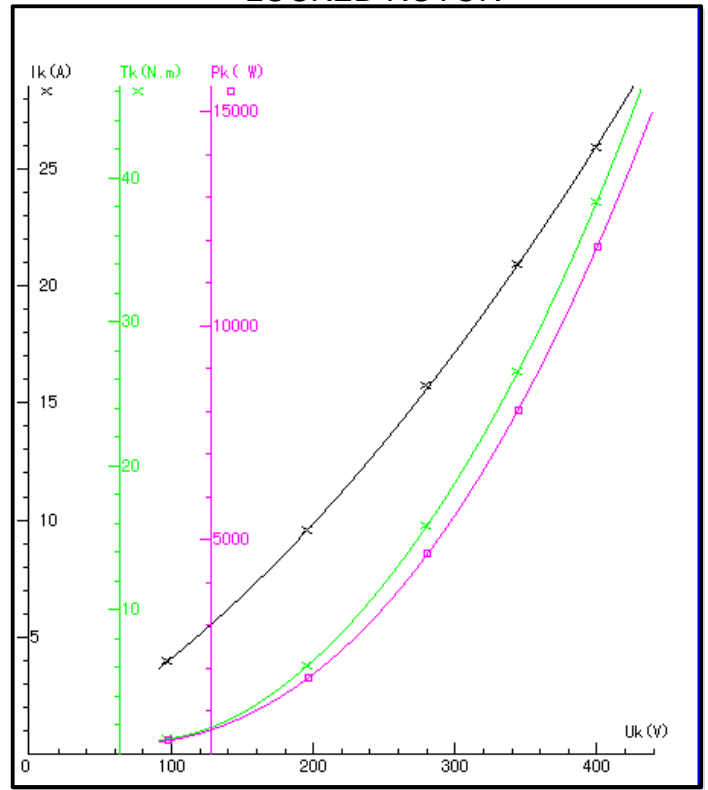
Check:

Operator:

NO LOAD



LOCKED ROTOR



LOAD

