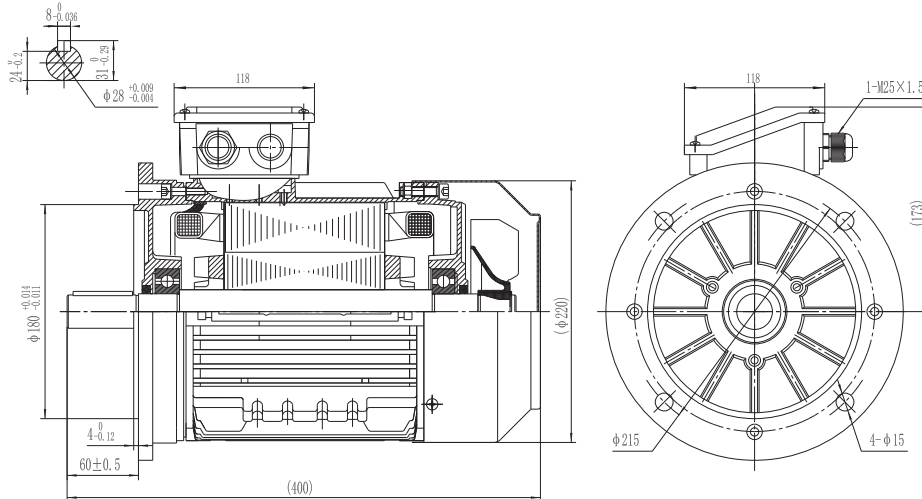


Type T3A 112M-2

Cod. R1120204,0B5B5A0TAMT

Mounting position

IM	B5
IM	3001



Electrical data			
Rated motor power	4		Kw
Rated motor speed	2910		min ⁻¹ 50Hz
	3495		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	13.13		Nm (Mn)
Rated motor current	7.36	VΔ/50Hz	A (In)
	4.25	VY/50Hz	A (In)
Starting motor current	7.8		xIn
Starting motor torque	2.5		xMn
Breakdown motor torque	2.7		xMn
Starting			D.O.L.
Efficiency class	IE3		
Efficiency	50Hz	60Hz	
	88.1	88.9	100% load
	88.4	88.3	75% load
	87.2	87.6	50% load
Power factor cosφ	0.89	0.89	100% load

General data			
Frame size	112		
Mounting	B5		
Weight	37.2		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	2-M25x1,5		
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

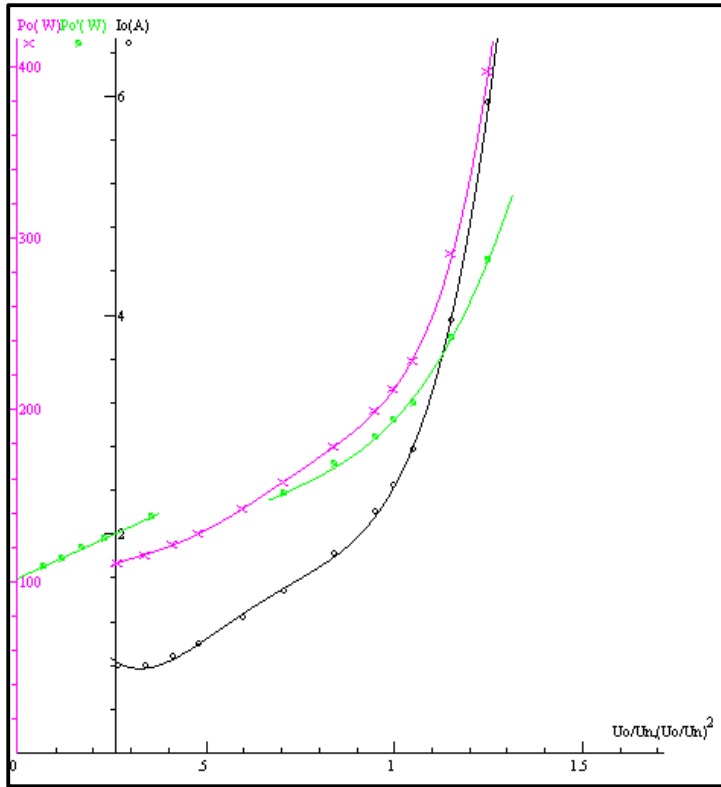
Site conditions	
Ambient temperature	from -20°C to +40°C
Altitude above sea level	1000 m

Mechanical data					
Noise level	LpA	78	dB(A)	Bearing DE side	6306-2RS-C3
	LwA	88	dB(A)	Bearing NDE side	6206-2RS-C3
Moment of inertia	0.0056		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

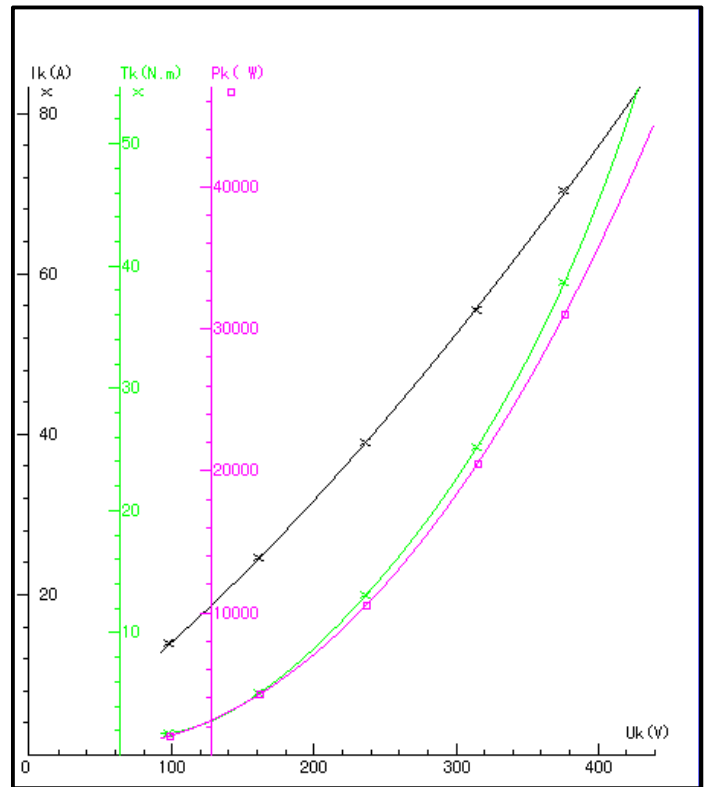
Type: T3A112M-2 Voltage: 400/690 V Design No: Shanghai Techttop Motor Co., Ltp
 Output 4 KW Connection: Δ /Y
 Frequency: 50 Hz Duty: S1 Report No: 20100925001

Test Item		Standard		Result	
		Nominal	Tol		
1	Efficiency %			88, 04	
2	Power Factor			0, 908	
3	Tem. Rise of Stator Winding K			52, 2	
4	Vibration mm/s				
5	Noise Lp dB (A) (Lw)				
6	Breakdown Torque/Rated Torque			3, 95	
7	Pullup Torque/Rated Torque			2, 48	
8	Locked Rotor Tor./Rated Tor.			3, 47	
9	Locked Rotor Cur./Rated Cur.			10, 5	
10	High Voltage Test V			1800	
11	Hot Insulation Res. of Stator Winding M Ω			300	
12	Temperature of Bearing $^{\circ}$ C			48	
13	Unbalance of Current %			4, 6	
14	Full Load line Current A			7, 222	
15	Full-load input power (W)			4543, 3	
16	Full Load torque Nm			13, 047	
17	Max.temp.of enclosure surface $^{\circ}$ C			45, 4	
18	No Load Current A			2, 431	
19	Slip %			2, 5062	
20	Winding phase resistance 95 $^{\circ}$ C			3, 6514	
21	Stary-load loss (W)			62, 107	
22	No-load input power (W)			212, 04	
23	Core loss (W)			91, 697	
24	Friction and wind age loss(W)			101, 98	
25	Locked Rotor Power (W)			35668	
26	StatorI2Rloss (W)			180, 51	
27	RotorI2Rloss (W)			107, 04	
28	Locked Rotor Voltage 100 V	Current A	14, 11	Power W	1404
		50%eff: 88, 37		75%eff: 87, 165	

NO LOAD



LOCKED ROTOR



LOAD

