



SHANGHAI TOP MOTOR CO., LTD.

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Technical Datasheet

Basic features

Manufacturer's model	T3A 112M1-4
Product standard	IEC 60034-1 CEI EN 60034-1
Material of housing	Cast-aluminum
Frame size	IEC-112M
Install model	IM B35
Type of motor feet	Detachable
Pole	4P
Insulation class	Class F (temperature rise B) <i>Manufacturer's standard</i>
Protection degree	IP55 <i>Manufacturer's standard</i>
Duty	S1 <i>Manufacturer's standard</i>
Rotating direction	Clockwise (CW) <i>When viewed from the front of output shaft</i> <i>Manufacturer's standard</i>
Winding protection	PTC <i>This is an advanced option, please specify when ordering.</i>
Surface treatment	Powder coating in color RAL7024 (graphite grey). <i>Manufacturer's standard</i>

Mechanical features

Cooling method	IC411 <i>Manufacturer's standard</i>
Position of terminal box	On TOP <i>When viewed from the front of output shaft</i> <i>Manufacturer's standard</i>
Cable entries	
for power supply	2-M25x1.5
for winding protection	1-M16x1.5
Bearing brand	SKF / FAG / NSK <i>This is an advanced option, please specify when ordering.</i>
Bearing types	
for DE (A-side)	6306-ZZ-C3
for NDE (B-side)	6206-ZZ-C3
Shaft sealing	30x44x7 mm
Dynamic balance	Half-key balanced
Noise	65 dB(A)
Weight	33 kg
Moment of inertia	0,01529165 kgm ²

Electrical performances

Rated power (P _n)	4,00 kW
Rated speed	1450 rpm
Rated voltage	230V Δ @ 50Hz 400V Y @ 50Hz
Rated current (I _n)	13,76 A @ 230V (Δ) 7,95 A @ 400V (Y) 6,60 A @ 460V
Efficiency class	50Hz (IE3) 60Hz
Efficiency @ 100% load	88,6 % 89,5 %
Efficiency @ 75% load	88,8 % 90,0 %
Efficiency @ 50% load	88,2 % 89,2 %
Power factor	0,82
Rated torque (T _n)	26,34 Nm
T _{st} /T _n	3,1 x T _n
T _{max} /T _n	3,7 x T _n
T _{min} /T _n	2,6 x T _n
I _{st} /I _n	8,6 x I _n

Environmental conditions

Ambient temperature	-20°C up to +40°C <i>For wider ambient temperature please consult with our sales staff.</i>
Altitude	max. 1000m above sea level. <i>For higher altitude please consult with our sales staff.</i>

Other customized requirement

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