SHANGHAI TOP MOTOR CO., LTD.

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Technical Datasheet

Reference No.: Impexron
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Basic features

Manufacturer's model	T3A 132S-4
Factory's series	T3A
Product standard	IEC 60034-1 and relevants
Material of housing	Cast-aluminum
Frame size	IEC-132S
Install model	IM B5
Type of motor feet	N/A
Pole	4
Insulation class	Class F (temperature rise B)
Protection degree	IP55
Duty circle	S1
Rotating direction	CW when viewed from A-side
** Can be changed to CCW by adjusting wire connection*	
Winding protection	PTC
Painting color	RAL7024 (graphite grey)

Technical paramaters

Rated power	[P_N]		5,5 kW
Rated speed	[n_N]		1460 r/min
Rated voltage	[U_N]		230/400 V (Δ/Y)
Rated current	[I_N]	230(Δ)	18,27 A
		400(Y)	10,55 A
Efficiency	[η]		**IE3**
100% load			89,6 %
75% load			89,8 %
50% load			89,4 %
Power factor	[Cosϕ]		0,84
Rated torque	[T_N]		35,96 Nm
Starting torque	[T_{st}/T_N]		2,3 times
Starting currrent	[I_{st}/I_N]		9,0 times
Breakdown torque	[T_{max}/T_N]		3,5 times
Pullup torque	[T_{min}/T_N]		1,9 times

Mechanical features

Cooling method	IC 411
Position of terminal box	On TOP when viewed from A-side
Cable entries	
for power supply	2-M25x1.5
for winding protection	1-M16x1.5
Bearings	SKF
for DE (A-side)	6308 ZZ C3
for NDE (B-side)	6208 ZZ C3
Shaft sealing	40x58x7 mm
Dynamic balance	Half-key balanced
Noise	71 dB(A)
Weight	47,4 kg
Moment of inertia	0,0344642 kg·m^2

Environmental conditions

Ambient temperature	-20°C up to +40°C
Altitude	max. 1000m above sea level.

Accessory and other customization

Technical parameters when using standard 400V-50Hz motors at 60Hz

		380V-60Hz	400V-60Hz	440V-60Hz	460V-60Hz	480V-60Hz
Rated power	[P_N]	5,5 kW	5,5 kW	5,5 kW	5,5 kW	5,5 kW
Rated speed	[n_N]	1752 r/min	1752 r/min	1752 r/min	1752 r/min	1752 r/min
Rated current	[I_N]	10,55 A	10,55 A	9,49 A	9,18 A	8,97 A
Power factor	[Cosϕ]	0,87	0,87	0,84	0,83	0,81
Rated torque	[T_N]	29,84 Nm	29,84 Nm	29,84 Nm	29,84 Nm	29,84 Nm
Starting torque	[T_{st}/T_N]	1,9 times	1,9 times	2 times	2,1 times	2,4 times
Starting currrent	[I_{st}/I_N]	7,5 times	7,5 times	8,6 times	8,9 times	9,4 times
Breakdown torque	[T_{max}/T_N]	2,9 times	2,9 times	3 times	3,3 times	3,6 times

** Please note that the above 60Hz data are based on theoretical estimates and may not accurately reflect actual conditions, therefore they are provided for reference only.*
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