SHANGHAI TOP MOTOR CO., LTD.

Technical Data Sheet

General data		
Frame size	112	
Housing material	Casting iron	
Install model	According to the standard	
Type of feet	Removable feet (Standard) *Fixed feet* *(Optional)*	
Net weight	42.2 kg	
Insulation class	F *H*	(Standard) *(Optional)*
Protection degree	IP 55 *IP 56*	(Standard) *(Optional)*
Thermal protection	Without *Customizable*	(Standard) *(Optional)*
Rotation direction	Clockwise *Counter clockwise*	(Standard) *(Optional)*
Service duty	S1	
Vibration level	A	
Balance	Half-key balanced	
Cable glands	2 - M25× 1.5	
Cooling	IC 411	
Painting color	RAL 7024 *Customizable*	(Standard) *(Optional)*
Regulations	IEC / DIN / ISO / VDE / EN	
Standard	IEC 60034	

Environmental conditions	
Ambient temperature	From -20°C to +40°C
Maximum altitute	1000 m above sea level

Electrical data		
Output	4	kW
Frequency	50	Hz
Voltage (±5%)	400 690 480 828	V Δ @ 50Hz V Y @ 50Hz V Δ @ 60Hz V Y @ 60Hz
Rotation speed	2910 3492	RPM @ 50Hz RPM @ 60Hz
Rated current	7.28 4.2	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	10.5	×In
Rated torque	13.127147766	Nm (Mn)
Starting torque	2.5	×Mn
Breakdown torque	2.8	×Mn
Efficiency	IE3 88.1 88.5 87.1	 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.9	@ 100% load

Mechanical data		
Bearings brand	C&U *Customizable*	(Standard) *(Optional)*
Bearings type	6306 2RS C3 6306 2RS C3	(DE) (NDE)
Lifetime of bearings		40000 hours
Allowed radial load Allowed axial load		1136 N 10133 N
Grease type		
Lubrication interval of NDE bearing Lubrication interval of DE bearing		h h
Moment of inertia	0.00744	Kg*m²
Noise level	77	dB(A)

No. 303 Kangliu Road Kangqiao Town Pudong Shanghai, 201315, China

Tel: +86 (21) 6819 2006, Fax: +86 (21) 5812 9366, Email: info@techtop.net.cn, Website: www.techtop.com