SHANGHAI TOP MOTOR CO., LTD.

Technical Data Sheet

General data		
Frame size	90	
Housing material	Aluminum	
Install model	According to the standard	
Type of feet	Removable feet	
Net weight	18.06 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	1 - M20 × 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	1.1	kW
Frequency	50	Hz
Voltage (±5%)	230	V Δ @ 50Hz
Rotation speed	1140	RPM @ 50Hz
Rated current	6.19	A (In) @ Δ 50Hz
Starting current	6.9	×In
Rated torque	11.06	Nm (Mn)
Starting torque	2.5	×Mn
Breakdown torque	1.52	×Mn
Efficiency	IE2 78.1 75.9 66.7	 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.99	@ 100% load

Mechanical data		
Bearings brand	C&U *Customizable*	(Standard) *(Optional)*
Bearings type	6205 2RZ C3 6205 2RZ C3	(DE) (NDE)
Lifetime of bearings		20000 hours
Allowed radial load Allowed axial load		945 N 794 N
Grease type	-	
Lubrication interval of NDE bearing Lubrication interval of DE bearing		- h - h
Moment of inertia	0.00536	Kg*m²
Noise level	70	dB(A)

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