



SHANGHAI TOP MOTOR CO., LTD.

Technical Data Sheet

General data		
Frame size	80	
Housing material	Casting iron	
Install model		
Type of feet	Removable feet (Standard) <i>Fixed feet</i> (Optional)	
Net weight	14.4 kg	
Insulation class	F H	(Standard) (Optional)
Protection degree	IP 55 IP 56	(Standard) (Optional)
Thermal protection	Without <i>Customizable</i>	(Standard) (Optional)
Rotation direction	Clockwise <i>Counter clockwise</i>	(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 <i>Customizable</i>	(Standard) (Optional)
Regulations	IEC / DIN / ISO / VDE / EN	
Standard	IEC 60034	

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

Electrical data		
Output	0.75	kW
Frequency	50	Hz
Voltage (±5%)	230 400 276 480	V Δ @ 50Hz V Y @ 50Hz V Δ @ 60Hz V Y @ 60Hz
Rotation speed	2880 3456	RPM @ 50Hz RPM @ 60Hz
Rated current	2.9 1.68	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	7.5	×In
Rated torque	2.4869791667	Nm (Mn)
Starting torque	2.5	×Mn
Breakdown torque	2.8	×Mn
Efficiency	80.7 81 76.2	IE3 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.8	@ 100% load

Mechanical data		
Bearings brand	C&U <i>Customizable</i>	(Standard) (Optional)
Bearings type	6204 2RS C3 6204 2RS C3	(DE) (NDE)
Lifetime of bearings		40000 hours
Allowed radial load Allowed axial load		566 N 4433 N
Grease type		
Lubrication interval of NDE bearing Lubrication interval of DE bearing		h h
Moment of inertia	0.00093	Kg*m ²
Noise level	62	dB(A)

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