



Technical Data Sheet

General data	
Frame size	90
Housing material	Aluminum
Install model	According to the standard
Type of feet	Removable feet
Net weight	15.01 kg
Insulation class	F (Standard) H (Optional)
Protection degree	IP 55 (Standard) IP 56 (Optional)
Thermal protection	Without (Standard) Customizable (Optional)
Rotation direction	Clockwise (Standard) Counter clockwise (Optional)
Service duty	S1
Vibration level	A
Balance	Half-key balanced
Cable glands	1 - M20 × 1.5
Cooling	IC 411
Painting color	RAL 7024 (Standard) Customizable (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	1.1	kW
Frequency	50	Hz
Voltage (±5%)	230	V Δ @ 50Hz
Rotation speed	1722	RPM @ 50Hz
Rated current	5.94	A (In) @ Δ 50Hz
Starting current	3.8	×In
Rated torque	7.32	Nm (Mn)
Starting torque	0.37	×Mn
Breakdown torque	1.75	×Mn
Efficiency	81.4 78.8 71.0	IE2 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.99	@ 100% load

Mechanical data		
Bearings brand	C&U (Standard) Customizable (Optional)	
Bearings type	6205 2RZ C3 (DE) 6205 2RZ C3 (NDE)	
Lifetime of bearings	20000 hours	
Allowed radial load	816 N	
Allowed axial load	671 N	
Grease type	-	
Lubrication interval of NDE bearing	- h	
Lubrication interval of DE bearing	- h	
Moment of inertia	0.00289	Kg*m ²
Noise level	73	dB(A)

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

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