

Technical data sheet

General data	
Frame size	100
Housing material	Aluminum with iron shields
Install model	According to the standard
Type of feet	Removable feet
Net weight	28.7 kg
Insulation class	F
Protection degree	IP 55
Thermal protection	Bimetallic sensor
Rotation direction	Clockwise
Service duty	S1
Vibration level	A
Balance	Half-key balanced
Cable glands	1 - M20 × 1.5
Cooling	IC 411
Painting color	RAL 5010
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	3	kW
Frequency	50	Hz
Voltage (±5%)	230	V Δ @ 50Hz
Rotation speed	1445	RPM @ 50Hz
Rated current	16.37	A (In) @ Δ 50Hz
Starting current	6.7	×In
Rated torque	19.83	Nm (Mn)
Starting torque	2.4	×Mn
Breakdown torque	1.75	×Mn
Efficiency	83	@ 100% load @ 75% load @ 50% load
Power factor cosφ	0.96	@ 100% load

Mechanical data		
Bearings brand	C&U	
Bearings type	6206 2RZ C3 6206 2RZ C3	(DE) (NDE)
Lifetime of bearings	20000 hours	
Allowed radial load Allowed axial load	1140 N 907 N	
Start capacitor Run capacitor	300 μF / 300 V 60 μF / 450 V	
Moment of inertia	0.010543	Kg*m ²
Noise level	78	dB(A)