



General data		
Frame size	160	
Housing material	Aluminum	
Install model	According to the standard	
Type of feet	Removable feet	
Net weight	105 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 - M32 × 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 altitude	1000 m above sea level

Electrical data		
Output	11	kW
Frequency	50	Hz
Voltage (±5%)	400 690 480 828	V Δ @ 50Hz V Y @ 50Hz V Δ @ 60Hz V Y @ 60Hz
Rotation speed	975 1170	RPM @ 50Hz RPM @ 60Hz
Rated current	22.5 13.0	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	8.4	×In
Rated torque	107.74	Nm (Mn)
Starting torque	2.7	×Mn
Breakdown torque	2.9	×Mn
Efficiency	90.3 90.8 89.9	IE3 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.78	@ 100% load

Mechanical data		
Bearings brand	C&U Customizable	(Standard) (Optional)
Bearings type	6309 2RZ C3 6209 2RZ C3	(DE) (NDE)
Lifetime of bearings		20000 hours
Allowed radial load		3523.36 N
Allowed axial load		2290.5 N
Grease type		
Lubrication interval of NDE bearing		h
Lubrication interval of DE bearing		h
Moment of inertia	0.1548495	Kg*m ²
Noise level	73	dB(A)