



Felandia

General data		
Frame size	160	
Housing material	Aluminum	
Install model	According to the standard	
Type of feet	Removable feet	
Net weight	121 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	18.5	kW
Frequency	50	Hz
Voltage (±5%)	400 690 480 828	V Δ @ 50Hz V Y @ 50Hz V Δ @ 60Hz V Y @ 60Hz
Rotation speed	2950 3540	RPM @ 50Hz RPM @ 60Hz
Rated current	31.8 18.3	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	9.1	×In
Rated torque	59.89	Nm (Mn)
Starting torque	3	×Mn
Breakdown torque	3	×Mn
Efficiency	92.4 92.8 91.8	IE3 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.91	@ 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	2408.24 N	
Allowed axial load	1392.7 N	
Grease type		
Lubrication interval of NDE bearing	h	
Lubrication interval of DE bearing	h	
Moment of inertia	0.09225175	Kg*m ²
Noise level	86	dB(A)