



# Felandia

General data	
Frame size	160
Housing material	Aluminum
Install model	According to the standard
Type of feet	Removable feet
Net weight	110.5 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	2 - M32 × 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	15	kW
Frequency	50	Hz
Voltage (±5%)	400 690 480 828	V Δ @ 50Hz V Y @ 50Hz V Δ @ 60Hz V Y @ 60Hz
Rotation speed	1470 1770	RPM @ 50Hz RPM @ 60Hz
Rated current	27.7 16.0	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	9.2	×In
Rated torque	97.45	Nm (Mn)
Starting torque	3	×Mn
Breakdown torque	3	×Mn
Efficiency	92.1 92.3 91.3	IE3 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.85	@ 100% load

Mechanical data		
Bearings brand	C&U (Standard) Customizable (Optional)	
Bearings type	6309 2RZ C3 (DE) 6209 2RZ C3 (NDE)	
Lifetime of bearings		20000 hours
Allowed radial load		3006.61 N
Allowed axial load		1874.41 N
Grease type		
Lubrication interval of NDE bearing		h
Lubrication interval of DE bearing		h
Moment of inertia	0.1370381	Kg*m <sup>2</sup>
Noise level	75	dB(A)