



# Felandia

General data	
Frame size	132
Housing material	Aluminum
Install model	According to the standard
Type of feet	Removable feet
Net weight	38.6 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 - M25 × 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	3	kW
Frequency	50	Hz
Voltage (±5%)	230	V Δ @ 50Hz
	400	V Y @ 50Hz
	276	V Δ @ 60Hz
	480	V Y @ 60Hz
Rotation speed	965	RPM @ 50Hz
	1160	RPM @ 60Hz
Rated current	11.8	A (In) @ Δ 50Hz
	6.84	A (In) @ Y 50Hz
Starting current	6	×In
Rated torque	29.69	Nm (Mn)
Starting torque	2	×Mn
Breakdown torque	2.7	×Mn
Efficiency	85.6	IE3 @ 100% load
	86	@ 75% load
	85.1	@ 50% load
Power factor cosφ	0.74	@ 100% load

Mechanical data		
Bearings brand	C&U (Standard) Customizable (Optional)	
Bearings type	6308 2RZ C3	(DE)
	6208 2RZ C3	(NDE)
Lifetime of bearings	20000 hours	
Allowed radial load	2750.74 N	
	Allowed axial load 1970.64 N	
Grease type		
Lubrication interval of NDE bearing	h	
	Lubrication interval of DE bearing h	
Moment of inertia	0.03380429	Kg*m <sup>2</sup>
Noise level	64	dB(A)