



# Felandia

General data		
Frame size	80	
Housing material	Aluminum	
Install model	According to the standard	
Type of feet	Removable feet	
Net weight	7.3 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	1 - M20× 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	0.55	kW
Frequency	50	Hz
Voltage (±5%)	230 400 276 480	V Δ @ 50Hz V Y @ 50Hz V Δ @ 60Hz V Y @ 60Hz
Rotation speed	2810 3372	RPM @ 50Hz RPM @ 60Hz
Rated current	2.28 1.31	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	5.3	×In
Rated torque	1.87	Nm (Mn)
Starting torque	2.7	×Mn
Breakdown torque	2.5	×Mn
Efficiency	73.1 73.4 69.7	IE1 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.83	@ 100% load

Mechanical data		
Bearings brand	C&U (Standard) Customizable (Optional)	
Bearings type	6204 2RZ C3	(DE) (NDE)
Lifetime of bearings	6204 2RZ C3 hours	
Allowed radial load	20000 N	
Allowed axial load	599 N	
Grease type	465	
Lubrication interval of NDE bearing	h	
Lubrication interval of DE bearing	h	
Moment of inertia	0.00075	Kg*m <sup>2</sup>
Noise level	64	dB(A)