



# Felandia

General data		
Frame size	280	
Housing material	Casting iron	
Install model	According to the standard	
Type of feet	Removable feet (Standard) <i>Fixed feet</i> (Optional)	
Net weight	551 kg	
Insulation class	F H	(Standard) (Optional)
Protection degree	IP 55 IP 56	(Standard) (Optional)
Thermal protection	Without <i>Customizable</i>	(Standard) (Optional)
Rotation direction	Clockwise <i>Counter clockwise</i>	(Standard) (Optional)
Service duty	S1	
Vibration level	A	
Balance	Half-key balanced	
Cable glands	2 - M50× 1.5	
Cooling	IC 411	
Painting color	RAL 7024 <i>Customizable</i>	(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	45	kW
Frequency	50	Hz
Voltage (±5%)	400 690 480 828	V Δ @ 50Hz V Y @ 50Hz V Δ @ 60Hz V Y @ 60Hz
Rotation speed	980 1176	RPM @ 50Hz RPM @ 60Hz
Rated current	83.52 48.22	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	10	×In
Rated torque	438.52	Nm (Mn)
Starting torque	2.5	×Mn
Breakdown torque	2.8	×Mn
Efficiency	93.7 94.6 92.7	IE3 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.83	@ 100% load

Mechanical data		
Bearings brand	C&U <i>Customizable</i>	(Standard) (Optional)
Bearings type	6316 C3 6316 C3	(DE) (NDE)
Lifetime of bearings	- hours	
Allowed radial load	9750 N	
Allowed axial load	57700 N	
Grease type	polyurea-based grease	
Lubrication interval of NDE bearing	14000 h	
Lubrication interval of DE bearing	14000 h	
Moment of inertia	2.202740	Kg*m <sup>2</sup>
Noise level	80	dB(A)