



Felandia

General data		
Frame size	225	
Housing material	Casting iron	
Install model	According to the standard	
Type of feet	Removable feet (Standard) <i>Fixed feet</i> (Optional)	
Net weight	369 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	2950 3540	RPM @ 50Hz RPM @ 60Hz
Rated current	75.93 43.84	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	8.5	×In
Rated torque	145.68	Nm (Mn)
Starting torque	2.5	×Mn
Breakdown torque	2.5	×Mn
Efficiency	94 94.6 94.1	IE3 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.91	@ 100% load

Mechanical data		
Bearings brand	C&U <i>Customizable</i>	(Standard) (Optional)
Bearings type	6313 C3 6313 C3	(DE) (NDE)
Lifetime of bearings		- hours
Allowed radial load		4201 N
Allowed axial load		40000 N
Grease type	polyurea-based grease	
Lubrication interval of NDE bearing		6500 h
Lubrication interval of DE bearing		6500 h
Moment of inertia	0.343660	Kg*m ²
Noise level	92	dB(A)