



Felandia

General data	
Frame size	180
Housing material	Casting iron
Install model	According to the standard
Type of feet	Removable feet (Standard) <i>Fixed feet</i> (Optional)
Net weight	169.4 kg
Insulation class	F (Standard) H (Optional)
Protection degree	IP 55 (Standard) IP 56 (Optional)
Thermal protection	Without (Standard) <i>Customizable</i> (Optional)
Rotation direction	Clockwise (Standard) <i>Counter clockwise</i> (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) <i>Customizable</i> (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	18.5	kW
Frequency	50	Hz
Voltage (±5%)	400	V Δ @ 50Hz
	690	V Y @ 50Hz
	480	V Δ @ 60Hz
	828	V Y @ 60Hz
Rotation speed	1460	RPM @ 50Hz
	1752	RPM @ 60Hz
Rated current	33.53	A (In) @ Δ 50Hz
	19.36	A (In) @ Y 50Hz
Starting current	9	×In
Rated torque	121.01	Nm (Mn)
Starting torque	2.5	×Mn
Breakdown torque	3	×Mn
Efficiency		IE3
	92.6	@ 100% load
	93.6	@ 75% load
	93	@ 50% load
Power factor cosφ	0.86	@ 100% load

Mechanical data		
Bearings brand	C&U (Standard) <i>Customizable</i> (Optional)	
Bearings type	6311 C3	(DE)
	6311 C3	(NDE)
Lifetime of bearings		- hours
Allowed radial load		3373 N
Allowed axial load		30000 N
Grease type	polyurea-based grease	
Lubrication interval of NDE bearing		18500 h
Lubrication interval of DE bearing		18500 h
Moment of inertia	0.155300	Kg*m ²
Noise level	76	dB(A)