



Felandia

T3C 225M-6 - 30 kW

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	335 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	30	kW
Frequency	50	Hz
Voltage (±5%)	400	V Δ @ 50Hz
	690	V Y @ 50Hz
	480	V Δ @ 60Hz
	828	V Y @ 60Hz
Rotation speed	975	RPM @ 50Hz
	1170	RPM @ 60Hz
Rated current	55.55	A (In) @ Δ 50Hz
	32.07	A (In) @ Y 50Hz
Starting current	9	×In
Rated torque	293.85	Nm (Mn)
Starting torque	2.5	×Mn
Breakdown torque	2.2	×Mn
Efficiency	91.7	IE2 @ 100% load
	92.3	@ 75% load
	91.2	@ 50% load
Power factor cosφ	0.85	@ 100% load

Mechanical data		
Bearings brand	C&U <i>Customizable</i>	(Standard) (Optional)
Bearings type	6313 C3	(DE)
	6313 C3	(NDE)
Lifetime of bearings		- hours
Allowed radial load		5957 N
Allowed axial load		40000 N
Grease type	polyurea-based grease	
Lubrication interval of NDE bearing		22000 h
Lubrication interval of DE bearing		22000 h
Moment of inertia	0.670580	Kg*m ²
Noise level	76	dB(A)