T3C 225M 4

Technical data sheet

General data	
Frame size	225
Housing material	Casting iron
Install model	According to the standard
Type of feet	Removable feet
Net weight	324 kg
Insulation class	F
Protection degree	IP 55
Thermal protection	PTC
Rotation direction	Clockwise
Service duty	S1
Vibration level	A
Balance	Half-key balanced
Cable glands	2 - M50× 1.5
Cooling	IC 411
Painting color	RAL 5010
Regulations	IEC / DIN / ISO / VDE / EN
Standard	IEC 60034

Environmental conditions	
Ambient temperature	From -20°C to +40°C
Maximum altitute	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	1470 1764	RPM @ 50Hz RPM @ 60Hz
Rated current	79.25 45.76	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	9	×In
Rated torque	292.34693878	Nm (Mn)
Starting torque	2.5	×Mn
Breakdown torque	2.5	×Mn
Efficiency	IE3 94.2 95.2 94.5	 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.87	@ 100% load

Mechanical data		
Bearings brand	FAG	
Bearings type	6313 C3 6313 C3	(DE) (NDE)
Lifetime of bearings		hours
Allowed radial load Allowed axial load		5192 N 40000 N
Grease type	polyurea-based grease	
Lubrication interval of NDE bearing Lubrication interval of DE bearing		16500 h 16500 h
Moment of inertia	0.65309	Kg*m²
Noise level	78	dB(A)