



T3C 200L 1-6

Technical data sheet

General data	
Frame size	200
Housing material	Casting iron
Install model	According to the standard
Type of feet	Removable feet
Net weight	216 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 - M40× 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 altitude	1000 m above sea level

Electrical data		
Output	18.5	kW
Frequency	50	Hz
Voltage (±5%)	400 690 480 828	V Δ @ 50Hz V Y @ 50Hz V Δ @ 60Hz V Y @ 60Hz
Rotation speed	970 1164	RPM @ 50Hz RPM @ 60Hz
Rated current	36.4 21.01	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	9.5	×In
Rated torque	182.13917526	Nm (Mn)
Starting torque	2.5	×Mn
Breakdown torque	2.8	×Mn
Efficiency	91.7 92.3 90.6	IE3 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.8	@ 100% load

Mechanical data		
Bearings brand	FAG	
Bearings type	6312 C3 6312 C3	(DE) (NDE)
Lifetime of bearings	hours	
Allowed radial load	5394 N	
Allowed axial load	34700 N	
Grease type	polyurea-based grease	
Lubrication interval of NDE bearing	23000 h	
Lubrication interval of DE bearing	23000 h	
Moment of inertia	0.38345	Kg*m²
Noise level	73	dB(A)