



# T2C 160L 2

## Technical data sheet

General data	
Frame size	160
Housing material	Casting iron
Install model	According to the standard
Type of feet	Removable feet
Net weight	136 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 - M32× 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	V Δ @ 50Hz
	690	V Y @ 50Hz
	480	V Δ @ 60Hz
	828	V Y @ 60Hz
Rotation speed	2940	RPM @ 50Hz
	3528	RPM @ 60Hz
Rated current	32.64	A (In) @ Δ 50Hz
	18.84	A (In) @ Y 50Hz
Starting current	9.5	×In
Rated torque	60.093537415	Nm (Mn)
Starting torque	2.5	×Mn
Breakdown torque	2.8	×Mn
Efficiency	IE2	
	90.9	@ 100% load
	91.3	@ 75% load
	90	@ 50% load
Power factor cosφ	0.9	@ 100% load

Mechanical data		
Bearings brand	FAG	
Bearings type	6309 C3	(DE)
	6309 C3	(NDE)
Lifetime of bearings	hours	
Allowed radial load	1403 N	
	Allowed axial load	
Grease type	polyurea-based grease	
Lubrication interval of NDE bearing	12000 h	
Lubrication interval of DE bearing	12000 h	
Moment of inertia	0.07528	Kg*m <sup>2</sup>
Noise level	86	dB(A)