

Type Q3T 112 M6

General data	
Frame size	112
Housing material	Casting iron
Install model	According to the standard
Type of feet	Removable feet (Standard) <i>Fixed feet</i> (Optional)
Net weight	40 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 - M25× 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	2.2	kW
Frequency	50	Hz
Voltage (±5%)	230	V Δ @ 50Hz
	400	V Y @ 50Hz
	276	V Δ @ 60Hz
	480	V Y @ 60Hz
Rotation speed	940	RPM @ 50Hz
	1128	RPM @ 60Hz
Rated current	9.32	A (In) @ Δ 50Hz
	5.38	A (In) @ Y 50Hz
Starting current	6.2	×In
Rated torque	22.35	Nm (Mn)
Starting torque	2	×Mn
Breakdown torque	2.2	×Mn
Efficiency	84.3	IE3 @ 100% load
	85	@ 75% load
	83.2	@ 50% load
Power factor cosφ	0.7	@ 100% load

Mechanical data		
Bearings brand	C&U (Standard) <i>Customizable</i> (Optional)	
Bearings type	6306 2RS C3	(DE)
	6306 2RS C3	(NDE)
Lifetime of bearings		40000 hours
Allowed radial load		1654 N
Allowed axial load		10133 N
Grease type	-	
Lubrication interval of NDE bearing		- h
Lubrication interval of DE bearing		- h
Moment of inertia	0.016370	Kg*m ²
Noise level	65	dB(A)