Three Phase Squirrel Cage Induction Motor

Motor type **TE Q3H PC100L4D**

Electrical Data

RATED VALUES							STARTING VALUES				BREAKDOWN	EFFICIENCY			Eff. CLASS
VOLTAGE	POWER		SPEED	CURRENT	TORQUE	Cos ϕ	CURRENT IA/IN		TORQUE MA/MN		TORQUE Mk/Mn	%			IEC 60034-30-1
V	kW	Hz	rpm	A	Nm	4/4	Y	D	Y	D	Nm	4/4	3/4	2/4	IE
230/400	3	50	1446	10,7/6,2	19,85	0,81	8,4		3,3		3,8	IE3-87,7%	88	87	IE3
265/460	3,45	60	1735	10,4/6,0	18,99	0,82	8,1		3,1		3,7	-	-	-	

Mechanical Data

Bearing DE	6306-ZZ	Color	RAL 7031
Bearing NDE	6205-ZZ	Motor protection	PTC
Lubricants	Shell Gadus S2 V100Q2	Method of cooling	IC 411 (TEFC)
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M5
Insulation class	F	Cable gland	1xM25
Duty type	S1	Clamping range	13-18 mm
Direction of rotation	Clockwisee	Mounting type	IM B34 klein (PC)
Housing material	Aluminium		
Type of balancing	Half Key		

Environmental Data

Ambient Temperature	-20/+40 °C
Altitude above sea level	1000 m

Others

Type of protection	IP55
Sound Pressure Level 50/60Hz dBA	56
Moment of Inertia (kg.mm2)	0,0105898
Standard	IEC 60034-1
Weigth (Kg)	31

*Lubrication:
Closed type (2Z) roller bearings are being used.
These types of roller bearings do not require maintenance since they are lubricated with the type of lubricant specified by the manufacturer.
Roller bearings should be replaced after 20,000 hours of operation (approx. 2-5 years of use) due to the specified operation temperature, vibration level and shaft loads.