

Order motor-data-sheet

Squirrel-cage induction electric motor

Motor:

motor type.....: TCA180LA4E3	4 pole	Insulation class: F (155°C)
Environment.....: -20°C to +40°C, up to 1000m above sea level		Degree of protection: IP55
Area: Safe area		Method of cooling.....: IC411
Execution.....:		Mounting: IM2001 FF300
Rated voltage [Vac] D400 / Y 690 50Hz		Mass [kg].....: 222,00
Output [kW].....: 22,00		Moment of inertia [kgm ²]: 0,23230
Nom. torque [Nm]: 142,54		
Duty: S1		
Bearings.....: DE: 6311-2Z/C3WT , NDE: 6211-2Z/C3		

At nominal (rated load):

Speed [rpm]: 1474
temp.rise acc. B (80K)

Nom. current [A].....: 41,64 / 24,04 at 400V / 690V 50Hz

	Partial load - 75%	Full load - 100%	Overload - 125%
Power factor		0,82	
Efficiency [%]		93,0	IE3

At start

Locked rotor torque [%] : 241
Locked rotor current [%]: 745

Breakdown

Break down torque [%] .: 330

No-load at nominal

No load current [A].....: 19,53

Configuration / Extra: 2001

squirrel-cage induction motor TCA180LA4E3U46-1001

