

Order motor-data-sheet

Squirrel-cage induction electric motor



Motor:

motor type.....: HJN100LX4 4 pole
Environment.....: -20°C to +50°C, up to 1000m above sea level
Area: Safe area
Execution.....: Marine: IEC 92.301 1980 50°C
Rated voltage [Vac] D400 / Y 690 50Hz
Output [kW].....: 3,00
Nom. torque [Nm]: 20,11
Duty: S1
Bearings.....: DE: 6206-2Z/C3WT , NDE: 6206-2Z/C3WT

Insulation class: F (155°C)
Degree of protection: IP55
Method of cooling.....: IC411
Mounting: IM2001 FF215
Mass [kg].....: 41,70

At nominal (rated load):

Speed [rpm]: 1425
temp.rise acc. B (80K)

Nom. current [A].....: 6,10 / 3,52 at 400V / 690V 50Hz

	Partial load - 75%	Full load - 100%	Overload - 125%
Power factor		0,83	
Efficiency [%]		85,5	

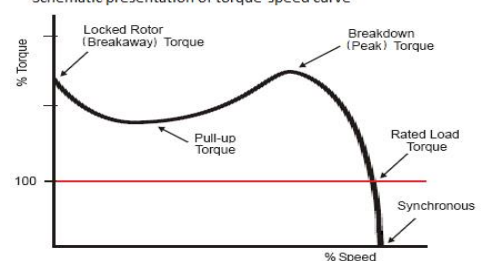
At start

Locked rotor torque [%] : 15
Locked rotor current [%]: 118

Breakdown

Break down torque [%] .: 17

Schematic presentation of torque-speed curve



Configuration / Extra: R7

squirrel cage ind. Motor HJN 100LX-4-3KW-2001
Aluminium fan HJA & HJN 80-90-100-2/4/6p
Including key for mounting

Marine execution IEC 92.301 50°C trop. 96% R.H.-100

