

Order motor-data-sheet

Squirrel-cage induction electric motor



Motor:

motor type.....: HJN100L4	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 FF215
Rated voltage [Vac] D230 / Y400 50Hz		Mass [kg].....: 35,00
Output [kW].....: 2,20		
Nom. torque [Nm]: 14,64		
Duty: S1		
Bearings.....: DE: 6206-2Z/C3WT , NDE: 6206-2Z/C3WT		

At nominal (rated load):

Speed [rpm]: 1435			
Temp. rise windings [K] : 65	temp.rise acc. B (80K)	Temp. rise surface [K].....: 50	

Nom. current [A].....: 8,05 / 4,65	at 230V / 400V 50Hz	Acoustic pressure [dB(A)]: 51,9
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	Partial load - 75%	Full load - 100%	Overload - 125%
Power factor	0,74	0,81	0,85
Efficiency [%]	85,3	84,3	82,8

At start

Locked rotor torque [%] : 327
 Locked rotor current [%]: 769

Pull-up

Pull up torque [%]: 196

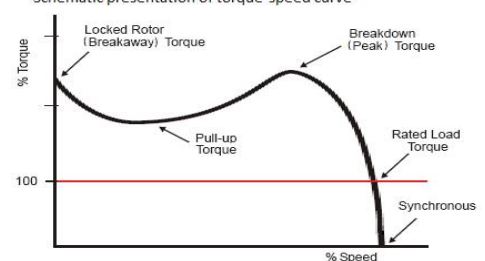
Breakdown

Break down torque [%] .: 359

No-load at nominal

No load current [A].....: 4,40

Schematic presentation of torque-speed curve



Configuration / Extra: 2001

squirrel cage ind. Motor HJN 100L-4-2,2KW-1001

