



No.:

Date: 10-NOV-2017

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 - Cast Iron Frame - Premium Efficiency - IE3

Frame : 112M
Output : 4 kW
Frequency : 50 Hz
Poles : 4
Full load speed : 1450 rpm
Slip : 3.33 %
Voltage : 400/690 V
Rated current : 8.23/4.77 A
Locked rotor current : 57.6/33.4 A
Locked rotor current (I_l/I_n) : 7.0
No-load current : 4.60/2.67 A
Full load torque : 26.4 Nm
Locked rotor torque : 230 %
Breakdown torque : 310 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 15 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 46 kg
Moment of inertia : 0.01798 kgm²
Noise level : 56 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6207 ZZ	6206 ZZ	100%	0.79	88.8
Regreasing interval	---	---	75%	0.72	89.1
Grease amount	---	---	50%	0.60	88.7

Notes:

Efficiencies according to the indirect method of IEC 60034-2-1:2007 with stray load losses determined from measurement.

Performed by

Checked