



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 : 100L
Output : 2.2 kW
Frequency : 50 Hz
Poles : 4
Full load speed : 1435 rpm
Slip : 4.33 %
Voltage : 230/400 V
Rated current : 7.93/4.56 A
Locked rotor current : 58.7/33.7 A
Locked rotor current (I_l/I_n) : 7.4
No-load current : 4.17/2.40 A
Full load torque : 14.6 Nm
Locked rotor torque : 320 %
Breakdown torque : 350 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 18 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 33 kg
Moment of inertia : 0.00897 kgm²
Noise level : 53 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6206 ZZ	6205 ZZ	100%	0.80	87.0
Regreasing interval	---	---	75%	0.73	87.0
Grease amount	---	---	50%	0.60	86.5

Notes:

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

Performed by

Checked