



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 : 90L
Output : 2.2 kW
Frequency : 50 Hz
Poles : 2
Full load speed : 2865 rpm
Slip : 4.50 %
Voltage : 230/400 V
Rated current : 7.70/4.43 A
Locked rotor current : 57.8/33.2 A
Locked rotor current (I_l/I_n) : 7.5
No-load current : 3.30/1.90 A
Full load torque : 7.34 Nm
Locked rotor torque : 310 %
Breakdown torque : 340 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 12 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 25 kg
Moment of inertia : 0.00257 kgm²
Noise level : 62 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6205 ZZ	6204 ZZ	100%	0.83	86.3
Regreasing interval	---	---	75%	0.77	86.0
Grease amount	---	---	50%	0.65	85.5

Notes:

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

Performed by

Checked