



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 : 1.5 kW
Frequency : 50 Hz
Poles : 4
Full load speed : 1450 rpm
Slip : 3.33 %
Voltage : 230/400 V
Rated current : 5.51/3.17 A
Locked rotor current : 40.8/23.5 A
Locked rotor current (I_l/I_n) : 7.4
No-load current : 3.13/1.80 A
Full load torque : 9.88 Nm
Locked rotor torque : 260 %
Breakdown torque : 340 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 13 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 : 0.00655 kgm²
Noise level : 49 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6205 ZZ	6204 ZZ	100%	0.80	85.5
Regreasing interval	---	---	75%	0.72	86.0
Grease amount	---	---	50%	0.58	84.0

Notes:

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

Performed by

Checked