



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 : 90S
Output : 1.5 kW
Frequency : 50 Hz
Poles : 2
Full load speed : 2875 rpm
Slip : 4.17 %
Voltage : 230/400 V
Rated current : 5.37/3.09 A
Locked rotor current : 40.8/23.5 A
Locked rotor current (I_l/I_n) : 7.6
No-load current : 2.61/1.50 A
Full load torque : 4.99 Nm
Locked rotor torque : 330 %
Breakdown torque : 330 %
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 : 21 kg
Moment of inertia : 0.00198 kgm²
Noise level : 62 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6205 ZZ	6204 ZZ	100%	0.83	84.5
Regreasing interval	---	---	75%	0.76	85.0
Grease amount	---	---	50%	0.64	83.0

Notes:

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

Performed by

Checked