



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 : 1.1 kW
Frequency : 50 Hz
Poles : 4
Full load speed : 1450 rpm
Slip : 3.33 %
Voltage : 230/400 V
Rated current : 4.09/2.35 A
Locked rotor current : 31.1/17.9 A
Locked rotor current (I_l/I_n) : 7.6
No-load current : 2.26/1.30 A
Full load torque : 7.25 Nm
Locked rotor torque : 250 %
Breakdown torque : 290 %
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 : 0.00546 kgm²
Noise level : 49 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6205 ZZ	6204 ZZ	100%	0.80	84.5
Regreasing interval	---	---	75%	0.72	84.5
Grease amount	---	---	50%	0.59	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