



No.:

Date: 01-FEB-2013

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 - Cast Iron Frame - High Efficiency - IE2

Frame : 132S
Output : 9.2 kW
Frequency : 60 Hz
Poles : 2
Full load speed : 3515
Slip : 2.36 %
Voltage : 460 V
Rated current : 14.3 A
Locked rotor current : 108 A
Locked rotor current (I_L/I_n) : 7.5
No-load current : 5.07 A
Full load torque : 25.0 Nm
Locked rotor torque : 230 %
Breakdown torque : 290 %
Design : N
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 15 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 70 kg
Moment of inertia : 0.02338 kgm²
Noise level : 72 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6308 ZZ	6207 ZZ	100%	0.89	90.2
Regreasing interval	---	---	75%	0.85	90.2
Grease amount	---	---	50%	0.77	89.2

Notes:

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

Performed by

Checked