



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 : 132M
Output : 7.5 kW
Frequency : 50 Hz
Poles : 4
Full load speed : 1460 rpm
Slip : 2.67 %
Voltage : 230/400 V
Rated current : 24.7/14.2 A
Locked rotor current : 205/118 A
Locked rotor current (I_L/I_n) : 8.3
No-load current : 11.9/6.82 A
Full load torque : 49.1 Nm
Locked rotor torque : 240 %
Breakdown torque : 350 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 7 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 75 kg
Moment of inertia : 0.05631 kgm²
Noise level : 56 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6308 ZZ	6207 ZZ	100%	0.84	90.6
Regreasing interval	---	---	75%	0.76	90.8
Grease amount	---	---	50%	0.63	90.5

Notes:

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

Performed by

Checked