



No.:

Date: 02-NOV-2015

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 - Cast Iron Frame - Premium Efficiency - IE3

Frame : 180L
Output : 22 kW
Frequency : 50 Hz
Poles : 4
Full load speed : 1470
Slip : 2.00 %
Voltage : 400/690 V
Rated current : 41.0/23.8 A
Locked rotor current : 299/174 A
Locked rotor current (I_L/I_n) : 7.3
No-load current : 19.0/11.0 A
Full load torque : 143 Nm
Locked rotor torque : 340 %
Breakdown torque : 340 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 11 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 185 kg
Moment of inertia : 0.20974 kgm²
Noise level : 61 dB(A)

	D.E.	N.D.E.
Bearings	6311 C3	6211 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	18 g	11 g

Load	Power factor	Efficiency (%)
100%	0.83	93.2
75%	0.77	93.0
50%	0.66	92.3

Notes:

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

Performed by

Checked