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 (Il/In)	:	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