



No.:

Date: 25-JUN-2022

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

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

Frame : 225S/M
Output : 30 kW
Frequency : 60 Hz
Poles : 8
Full load speed : 885 rpm
Slip : 1.67 %
Voltage : 220/380 V
Rated current : 106/61.4 A
Locked rotor current : 827/479 A
Locked rotor current (I_L/I_n) : 7.8
No-load current : 48.0/27.8 A
Full load torque : 324 Nm
Locked rotor torque : 240 %
Breakdown torque : 320 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 14 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 400 kg
Moment of inertia : 0.96037 kgm²
Noise level : 60 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	20000 h	20000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.80	92.9
75%	0.74	92.8
50%	0.64	92.5

Notes:

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

Performed by

Checked