



No.:

Date: 04-FEB-2021

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

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

Frame : 200L
Output : 30 kW
Frequency : 50 Hz
Poles : 4
Full load speed : 1480 rpm
Slip : 1.33 %
Voltage : 400/690 V
Rated current : 57.1/33.1 A
Locked rotor current : 428/248 A
Locked rotor current (I_L/I_n) : 7.5
No-load current : 27.0/15.7 A
Full load torque : 194 Nm
Locked rotor torque : 280 %
Breakdown torque : 310 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 12 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 228 kg
Moment of inertia : 0.32017 kgm²
Noise level : 63 dB(A)

	D.E.	N.D.E.
Bearings	6312 ZZ-C3	6212 ZZ-C3
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.81	93.7
75%	0.75	93.6
50%	0.63	92.9

Notes:

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

Performed by

Checked