



No.:

Date: 28-NOV-2022

DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : W22 Smoke Extraction Motors - F300 (2 hours) - TEAO - IE3

Frame : 112M
Output : 4 kW
Frequency : 50 Hz
Poles : 2
Full load speed : 2900 rpm
Slip : 3.33 %
Voltage : 400/690 V
Rated current : 7.59/4.40 A
Locked rotor current : 58.4/33.9 A
Locked rotor current (I_L/I_n) : 7.7
No-load current : 2.65/1.54 A
Full load torque : 13.2 Nm
Locked rotor torque : 290 %
Breakdown torque : 350 %
Design : ---
Insulation class : H
Temperature rise : 80 K
Locked rotor time : 22 s (hot)
Service factor : 1.00
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 41 kg
Moment of inertia : 0.00809 kgm²
Noise level : 62 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6307 ZZ-C3	6206 ZZ-C3	100%	0.86	88.4
Regreasing interval	---	---	75%	0.80	88.4
Grease amount	---	---	50%	0.69	88.0

Notes:

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

Performed by

Checked