



No.:

Date: 08-DEC-2022

## DATA SHEET

### Three-phase induction motor - Squirrel cage rotor

Customer :  
Product line : W22 Smoke Extraction Motors - F300 (1 hour) - TEAO - IE3

Frame : 100L  
Output : 3 kW  
Frequency : 50 Hz  
Poles : 2  
Full load speed : 2900 rpm  
Slip : 3.33 %  
Voltage : 230/400 V  
Rated current : 10.1/5.78 A  
Locked rotor current : 80.4/46.2 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 8.0  
No-load current : 4.70/2.70 A  
Full load torque : 9.88 Nm  
Locked rotor torque : 310 %  
Breakdown torque : 360 %  
Design : ---  
Insulation class : H  
Temperature rise : 80 K  
Locked rotor time : 15 s (hot)  
Service factor : 1.00  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 35 kg  
Moment of inertia : 0.00641 kgm<sup>2</sup>  
Noise level : 67 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6206 ZZ-C3	6205 ZZ-C3	100%	0.86	87.1
Regreasing interval	---	---	75%	0.81	87.3
Grease amount	---	---	50%	0.69	85.5

Notes:

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

Performed by

Checked