



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 : 90L  
Output : 2.2 kW  
Frequency : 50 Hz  
Poles : 2  
Full load speed : 2880 rpm  
Slip : 4.00 %  
Voltage : 230/400 V  
Rated current : 7.70/4.43 A  
Locked rotor current : 57.8/33.2 A  
Locked rotor current (I<sub>l</sub>/I<sub>n</sub>) : 7.5  
No-load current : 4.00/2.30 A  
Full load torque : 7.30 Nm  
Locked rotor torque : 360 %  
Breakdown torque : 360 %  
Design : ---  
Insulation class : H  
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 : 25 kg  
Moment of inertia : 0.00257 kgm<sup>2</sup>  
Noise level : 62 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6205 ZZ-C3	6204 ZZ-C3	100%	0.83	86.3
Regreasing interval	---	---	75%	0.77	86.0
Grease amount	---	---	50%	0.65	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