



No.:

Date: 10-NOV-2017

## DATA SHEET

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

Customer :  
Product line : W22 - Cast Iron Frame - High Efficiency - IE2

Frame : 112M  
Output : 5.5 kW  
Frequency : 50 Hz  
Poles : 2  
Full load speed : 2880 rpm  
Slip : 4.00 %  
Voltage : 230/400 V  
Rated current : 18.3/10.5 A  
Locked rotor current : 133/76.7 A  
Locked rotor current (I<sub>l</sub>/I<sub>n</sub>) : 7.3  
No-load current : 8.42/4.84 A  
Full load torque : 18.2 Nm  
Locked rotor torque : 270 %  
Breakdown torque : 300 %  
Design : ---  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 11 s (hot)  
Service factor : 1.00  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 46 kg  
Moment of inertia : 0.00876 kgm<sup>2</sup>  
Noise level : 64 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6207 ZZ	6206 ZZ	100%	0.87	87.0
Regreasing interval	---	---	75%	0.82	87.0
Grease amount	---	---	50%	0.72	86.5

Notes:

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

Performed by

Checked