



No.:

Date: 30-JUN-2022

**DATA SHEET****Three-phase induction motor - Squirrel cage rotor**

Customer :  
Product line : W22 Dahlander 8/4 polos

Frame : 200L  
Output : 16/25 HP  
Frequency : 60 Hz  
Poles : 8/4  
Full load speed : 880/1760 rpm  
Slip : 2.22/2.22 %  
Voltage : 220/220 V  
Rated current : 47.5/61.0 A  
Locked rotor current : 223/366 A  
Locked rotor current (I<sub>L</sub>/I<sub>N</sub>) : 4.7/6.0  
No-load current : 24.0/13.0 A  
Full load torque : 130/100 Nm  
Locked rotor torque : 180/190 %  
Breakdown torque : 190/220 %  
Design : N  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 28/25 s (hot)  
Service factor : 1.00  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000 m  
Degree of Protection : IP55  
Approximate weight : 230 kg  
Moment of inertia : 0.43052 kgm<sup>2</sup>  
Noise level : 56/68 dB(A)

	D.E.	N.D.E.
Bearings	6312 C3	6212 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	21 g	13 g

Load	Power factor	Efficiency (%)
100%	0.75/0.90	87.8/88.3
75%	0.68/0.88	87.2/87.2
50%	0.57/0.84	85.2/85.3

Notes:

Performed by

Checked