



Central Air Equipment (Fab) Ltd.

No.: 60187-MDS

Date: 04-JUN-2014

## DATA SHEET

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

Customer : MEG Energy  
Product line : W22 - Cast Iron Frame - Premium Efficiency - IE3

Frame : 160L  
Output : 18.5 kW  
Frequency : 60 Hz  
Poles : 2  
Full load speed : 3540  
Slip : 1.67 %  
Voltage : 575 V  
Rated current : 23.0 A  
Locked rotor current : 180 A  
Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.8  
No-load current : 8.42 A  
Full load torque : 49.9 Nm  
Locked rotor torque : 240 %  
Breakdown torque : 300 %  
Design : N  
Insulation class : F  
Temperature rise : 80 K  
Locked rotor time : 11 s (hot)  
Service factor : 1.25  
Duty cycle : S1  
Ambient temperature : -20°C - +40°C  
Altitude : 1000  
Degree of Protection : IP55  
Approximate weight : 119 kg  
Moment of inertia : 0.06263 kgm<sup>2</sup>  
Noise level : 72 dB(A)

	D.E.	N.D.E.
Bearings	6309 C3	6209 Z-C3
Regreasing interval	19000 h	20000 h
Grease amount	13 g	9 g

Load	Power factor	Efficiency (%)
100%	0.87	92.8
75%	0.83	92.8
50%	0.74	92.0

Notes: TAG # M-6187-1A/B  
PID# 60187-PID-A/B

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

Performed by  
WV

Checked  
SH