

**WEG Indústrias S.A.**

Nr.: 222384/2012

Date: 18-MAY-2012

DATA SHEET**Three-phase Induction Motor - Squirrel Cage**

Customer : Inverter Drive Supermarket
Product code : Preliminary Data
Product line : W22 - IE2 HIGH EFFICIENCY

Frame : 315L
Output : 250 kW**
Frequency : 50 Hz
Poles : 2
Rated speed : 2980 rpm
Slip : 0,67 %
Rated voltage : 400V
Rated current : 415 A
L. R. Amperes : 3237 A
II/In : 7,8
No load current : 108 A
Rated torque : 802 Nm
Locked rotor torque : 240 %
Breakdown torque : 280 %
Design : N
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 17 s (hot)
Service factor : 1,00
Duty cycle : S1
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l
Enclosure : IP55 (TEFC)
Mounting : B5T
Rotation : Both
Aprox. weight* : 1316 kg
Moment of inertia : 5,75 kgm²
Sound Pressure Level : 78,0 dB(A)

	Front	Rear	Load	Power factor	Efficiency (%)**
Bearing	6314-C3	6314-C3	100%	0,91	95,5
Regreasing int.	5000 h	5000 h	75%	0,89	95,6
Grease amount	27 g	27 g	50%	0,84	95,1
Grease - MOBIL POLYREX EM					

Notes: **To keep mClass B Rise the power will need to be de-rated by 5%
Suitable for VSD application with maximum load of 238 kW.
Suitable for VFD applications below 460V. Conditions must remain within the following:
- Maximum voltage peak on motor terminals: 1600V
- dV/dt inverter terminals: <= 5200V/μs
- Minimum rise time of the inverter: tr > 0,1μs (informed by the inverter manufacturer)

The figures given herewith are regarded as estimated values based on calculation and applied to sinusoidal power supplied motors, within permissible tolerances under IEC 60034-1. Noise level with tolerance of +3 dB(A).

Performed gheeley	Checked AUTOMATICO	Revision Nr.: 0 Date: 18-MAY-2012	Approved
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*Weight value can be changed without previous notification.

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