

**WEG Indústrias S.A.**

Nr.: 224205/2012

Date: 22-MAY-2012

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

Customer : WEG GERMANY GMBH
Product code :
Product line : Explosion Proof

Frame : 90S
Output : 0.37 kW (0.5 HP-cv)
Frequency : 60 Hz
Poles : 6
Rated speed : 1150 rpm
Slip : 4.17 %
Rated voltage : 220/380V
Rated current : 2.37/1.37 A
L. R. Amperes : 11.9/6.86 A
I_L/I_n : 5.0
No load current : 1.80/1.04 A
Rated torque : 0.313 kgfm
Locked rotor torque : 290 %
Breakdown torque : 300 %
Design : N
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 20 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l

Enclosure : IP55 (TFVE)
Mounting : B3D
Rotation : Both
Aprox. weight* : 26.5 kg
Moment of inertia : 0.0034 kgm²
Sound Pressure Level : 49.0 dB(A) (global)

Load	Power factor	Efficiency (%)
100%	0.63	65.0
75%	0.55	63.0
50%	0.43	58.5

	Bearing	Quantity (lubricant)
Front	6205-ZZ	----
Rear	6204-ZZ	----

Lubrication interval: ----
Grease - MOBIL POLYREX EM

Notes:
À Prova de Explosão

The figures given herewith are regarded as estimated values based on calculation and applied to sinusoidal power supplied motors, within permissible tolerances under ABNT-NBR 17094-1. Noise level with tolerance of +3 dB(A). (*) Weight value can be changed without previous notification.

Performed
hicaroj

Checked
jaimeb

Revision
Nr.: 0 Date: 22-MAY-2012

Approved