

**WEG Indústrias S.A.**

Nr.: 235225/2012-B

Date: 12-JUN-2012

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

Customer : WEG GERMANY GMBH
Product code :
Product line : W22 - NEMA PREMIUM EFFICIENCY

Frame : 184T
Output : 5 HP (3,7 kW)
Frequency : 50 Hz
Poles : 2
Rated speed : 2870 rpm
Slip : 4,33 %
Rated voltage : 380V
Rated current : 7,14 A
L. R. Amperes : 41,4 A
I_L/I_n : 5,8 Code H
No load current : 2,15 A
Rated torque : 1,25 kgfm
Locked rotor torque : 220 %
Breakdown torque : 290 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 18 s (hot)
Service factor : 1,25
Duty cycle : S1
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l

Enclosure : IP55 (TEFC)
Mounting : B3R(D)
Rotation : Both
Aprox. weight* : 40,0 kg
Moment of inertia : 0,0094 kgm²
Sound Pressure Level : dB(A) (global)

Load	Power factor	Efficiency (%)
100%	0,91	86,5
75%	0,88	87,5
50%	0,81	87,5

	Bearing	Quantity (lubricant)
Front	6207-ZZ	----
Rear	6206-ZZ	----

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

Notes:

The figures given herewith are regarded as guaranteed values and applied to sinusoidal power supplied motors, within permissible tolerances under NEMA MG 1-12. Noise level with tolerance of +3 dB(A). (*) Weight value can be changed without previous notification.

Performed
IachnoChecked
AUTOMATICORevision
Nr.: 0 Date: 12-JUN-2012

Approved