

**WEG Indústrias S.A.**

Nr.: 206730/2012-A

Date: 20-APR-2012

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

Customer : WEG GERMANY GMBH
Product code :
Product line : W22 - IE2 HIGH EFFICIENCY

Frame : 280S/M
Output : 90 kW
Frequency : 50 Hz
Poles : 4
Rated speed : 1480-1485-1485 rpm
Slip : 1.33-1.00-1.00 %
Rated voltage : 380-400-415/660-690V
Rated current : 164-158-154/94.4-91.6 A
L. R. Amperes : 1181-1138-1109/680-659 A
I_L/I_n : 7.2
No load current : 48.0-54.0-58.8/27.6-31.3 A
Rated torque : 59.2-59.0-59.0 kgfm
Locked rotor torque : 190-210-230 %
Breakdown torque : 240-270-290 %
Design : N
Insulation class : F
Locked rotor time : 20-20-20 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* : 673 kg
Moment of inertia : 1.88 kgm²
Sound Pressure Level : 69.0 dB(A) (global)

Load	Power factor	Efficiency (%)**
100%	0.88-0.87-0.86	94.5-94.7-94.7
75%	0.86-0.84-0.82	94.7-94.7-94.6
50%	0.80-0.76-0.73	94.4-94.1-93.8

	Bearing	Quantity (lubricant)
Front	6316-C3	34 g
Rear	6316-C3	34 g

Lubrication interval: 13000 h
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 IEC 60034-1. Noise level with tolerance of +3 dB(A). (*) 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.

Performed
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Checked
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Approved