DATA SHEET

Nr.: 335936/2012

Date: 05-DEC-2012

Three-phase Induction Motor - Squirrel Cage

FOR APPROVAL
( ) Approved
( ) Approved with comments
( ) Not approved

Customer	:	WEG ELECTRIC MOTORS UK LTD
Product code	:	
Product line	:	Special Motor

Frame	:	HGF 400C/D/E
Output	:	415 kW
Frequency	:	50 Hz
Poles	:	2
Rated speed	:	2967 rpm
Slip	:	1.10 %
Rated voltage	:	3300V
Rated current	:	85.6 A
L. R. Amperes	:	428 A
Il/In	:	5.0
No load current	:	12.0 A
Rated torque	:	136 kgfm
Locked rotor torque	:	75 %
Breakdown torque	:	150 %
Insulation class	:	F
Temperature rise	:	80 K
Locked rotor time	:	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	:	B3R(E)
Rotation	:	Clockwise
Aprox. weight*	:	4642 kg
Moment of inertia	:	14.4 kgm²
Sound Pressure Level	:	85.0 dB(A) (global)
Foundation loads		
- Max. traction	:	-1129 kgf
- Max. compression	:	3513 kgf

Load	Power factor	Efficiency (%)**
100%	0.90	94.5
75%	0.89	94.8
50%	0.87	94.5

	Bearing	Quantity (lubricant)
Front	6315-C3	30 g
Rear	6315-C3	30 g

Lubrication interval: 3985 h
Grease - MOBIL POLYREX EM

Notes:
Starting current: 500% (w/out IEC positive tolerance).

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). (*) Weight value can be changed without previous notification. (**) Determining losses and efficiency according to IEC 34-2 A.

Performed	Checked	Revision	Approved
jretzlaff	gabrielb1	Nr.: 0 Date: 05-DEC-2012	