



DATA SHEET

Nr.: 018396/2014

Date: 03-FEB-2014

Singlephase Induction Motor - Squirrel Cage

Customer :
Product code : 11060535
Product line : ESPECIAL

Frame : 213/5T
Output : 7.5 HP (5.5 kW)
Frequency : 60 Hz
Poles : 4
Rated speed : 1760 rpm
Slip : 2.22 %
Rated voltage : 208-230V
Rated current : 33.3-31.3 A
L. R. Amperes : 247 A
II/In : 7.9 Code J
No load current : 12.2 A
Rated torque : 22.4 ft.lb
Locked rotor torque : 320 %
Breakdown torque : 250 %
Insulation class : F
Locked rotor time : 6 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : 40°C
Altitude : 1000 m.a.s.l

Enclosure : IP21 (ODP)
Mounting : B3D
Rotation : Counter clockwise
Aprox. weight* : 122 lb
Moment of inertia : 0.7451 sq.ft.lb

Load	Power factor	Efficiency (%)
100%	0.90	84.5
75%	0.88	82.0
50%	0.83	77.0

	Bearing	Quantity (lubricant)
Front	6208-ZZ	-----
Rear	6206-ZZ	-----

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

Notes:

The figures given herewith are regarded as estimated values based on calculation and applied to sinusoidal power supplied motors, within permissible tolerances under NEMA MG 1-12. (*) Weight value can be changed without previous notification.

Performed
lucasf

Checked
deisej

Revision
Nr.: 0 Date: 03-FEB-2014

Approved

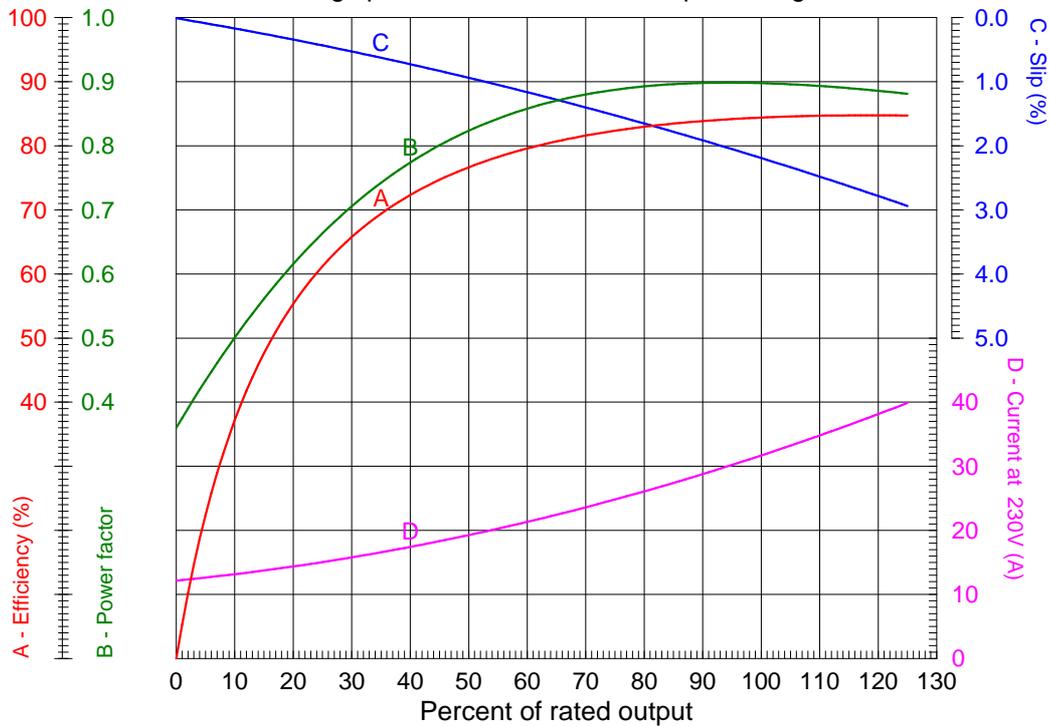


Curves

Nr.: 018396/2014

Date: 03-FEB-2014

PERFORMANCE UNDER LOAD Singlephase Induction Motor - Squirrel Cage



Customer :
Product code : 11060535 -
Product line : ESPECIAL

Output : 7.5 HP (5.5 kW)	Duty cycle : S1
Frame : 213/5T	Service factor : 1.15
Rated speed : 1760 rpm	Enclosure : IP21 (ODP)
Frequency : 60 Hz	Locked rotor torque : 320 %
Rated voltage : 208-230 V	Pull up torque : 270 %
Insulation class : F	Breakdown torque : 250 %
Rated current : 33.3-31.3 A	
II/In : 7.9 Code J	

Notes:

The figures given herewith are regarded as estimated values based on calculation and applied to sinusoidal power supplied motors, within permissible tolerances under NEMA MG 1-12.

Performed
lucasf

Checked
deisej

Revision
Nr.: 0 Date: 03-FEB-2014

Approved

CERTIFIED
NOT SUBJECT TO CHANGES.

A
B
C
D
E

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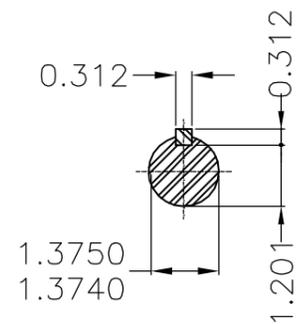
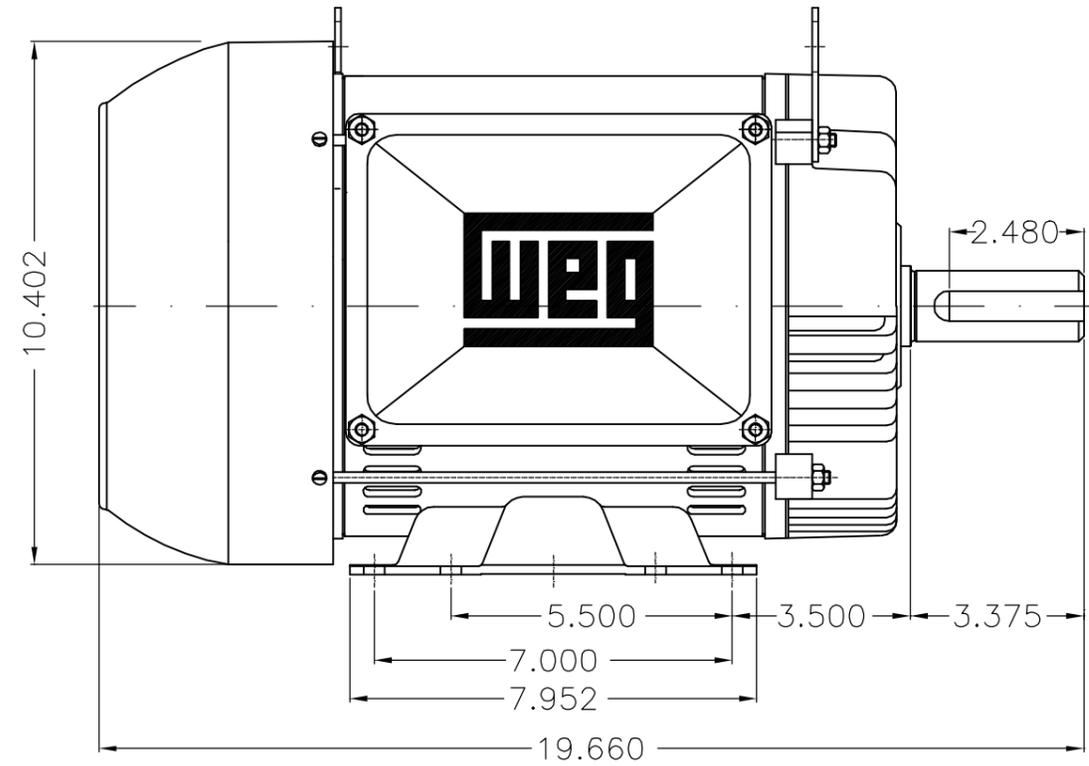
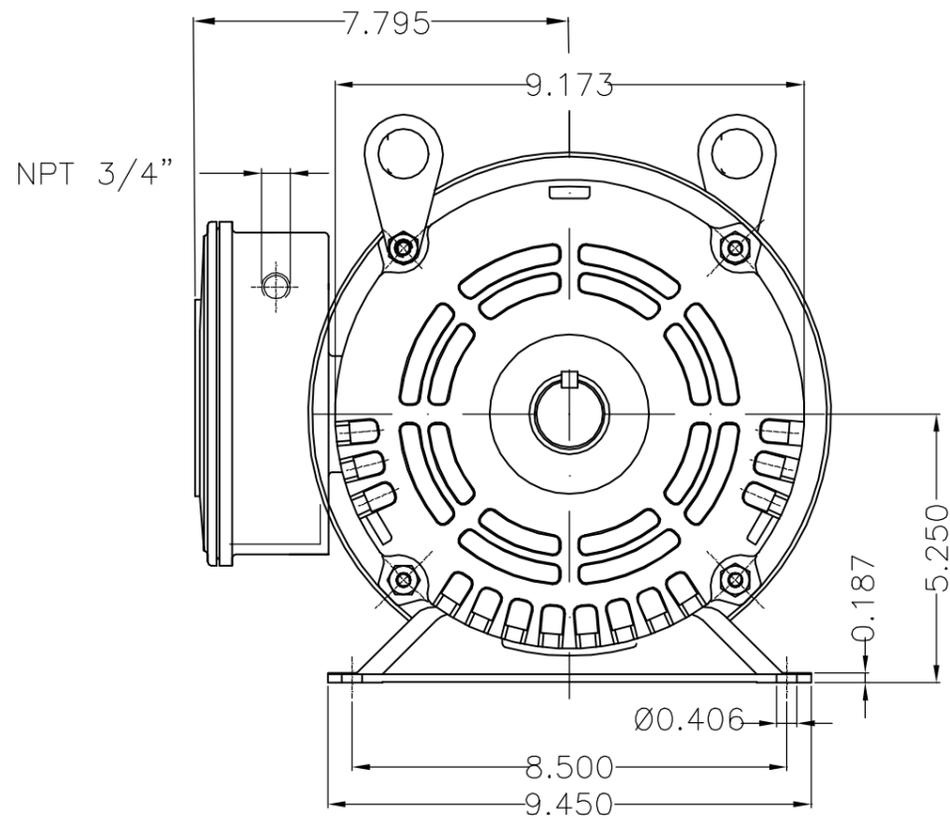
EIXO	
PADRÃO	
OPCIONAL	
ESPECIAL	X

Dimensões em polegada
Dimensions in inch

CERTIFIED
WEG MOTORES

Certified document.
Not subject to changes.

THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.



Fixar tampa da caixa de ligação com parafuso sextavado externo / Terminal box cover with hexagonal bolts						
Sentido de rotação anti-horário / Counter clockwise rotation						
Forma construtiva B3D / Mounting B3R(D)						
WEG ELETRIC CORP. - SUWANEE						
/ / /						
500000563663		ALT. CONFORME CLAIM 412354734	ANDERSONLB	ANDERSONLB	10.01.2012	02
500000505411		ALT. CONFORME CLAIM 412223554	ISRAELM	ANDERSONLB	18.08.2011	01
ECM ECM	LOC LOC	RESUMO MODIFICAÇÃO SUMMARY OF MODIFICATIONS	EXECUTADO EXECUTED	VERIFICADO CHECKED	LIBERADO RELEASED	DATA DATE
EXEC. / EXECUTED	DEISEM	 SINGLE PHASE MOTOR FRAME 213/5T IP21 (ODP) GERAL	10000385955 CER 02			
VERIF. / CHECKED						
LIBER. / RELEASED	DEISEM					
DATA LB/REL DT	26.01.2009	WMO-JGS	JARAGUÁ DO SUL	ENGENHARIA DE PRODUTO	FOLHA / SHEET	1 / 1

7.5 HP 04 Poles 60Hz 400373612 412226255 MEC. A

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ZME A3