DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	Customer :						
Product line	: S	Standard Effi	ciency Th	ree-Phase	Product code : Catalog # :	14796866 .2518ES3H56C-S	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J)		: 4 : 60 F : 575 : 0.41 : 2.63 : 6.3x : 176 : 1.94 : 0.74 : 240 : 300 : F : 1.15	0.25 HP (0.18 kW) 4 60 Hz 575 V 0.417 A 2.63 A 6.3x(Code M) 0.360 A 1765 rpm 1.94 % 0.744 ft.lb 240 % 300 %		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 68s (cold) 38s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 52.0 dB(A) : Direct On Line : 19.1 lb	
Output	25%	50%	75%	100%	Foundation loads		
Efficiency (%) Power Factor	54.4 0.24	57.5 0.43	66.0 0.54	70.0 0.62	Max. traction Max. compression	: 12 lb : 31 lb	
Bearing type Sealing Lubrication interv Lubricant amount Lubricant type		: : : : : : : : : : : : : : : : : : : :	62	<u>re end</u> 203 ZZ "Ring - - - N	Non drive end 6202 ZZ Without Bearing - - - Iobil Polyrex EM		

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

Notes

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

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TORQUE AND CURRENT VS SPEED CURVE

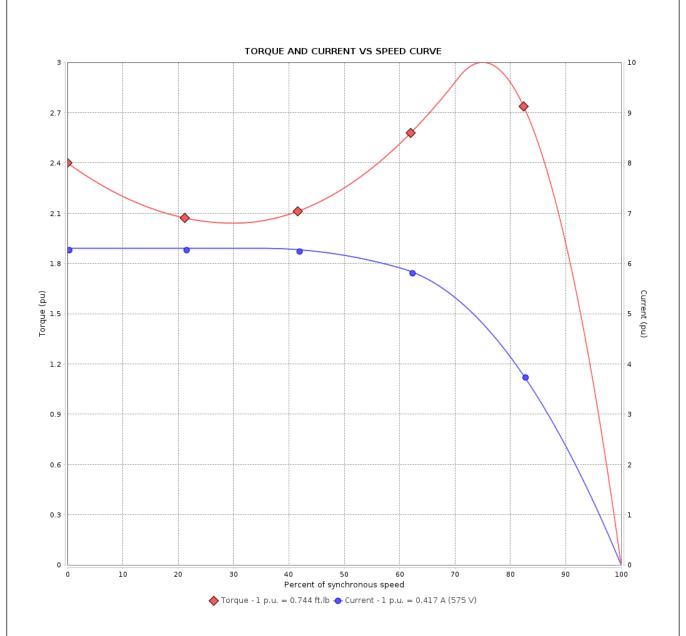
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 14796866

Catalog #: .2518ES3H56C-S



Performance : 575 V 60 Hz 4P

Rated current : 0.417 A Moment of inertia (J) : 0.0453 sq.ft.lb LRC : 6.3 Duty cycle : Cont.(S1)

Rated torque : 0.744 ft.lb Insulation class : F
Locked rotor torque : 240 % Service factor : 1.15
Breakdown torque : 300 % Temperature rise : 80 K

Locked rotor time : 68s (cold) 38s (hot)

: 1765 rpm

Rated speed

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LOAD PERFORMANCE CURVE

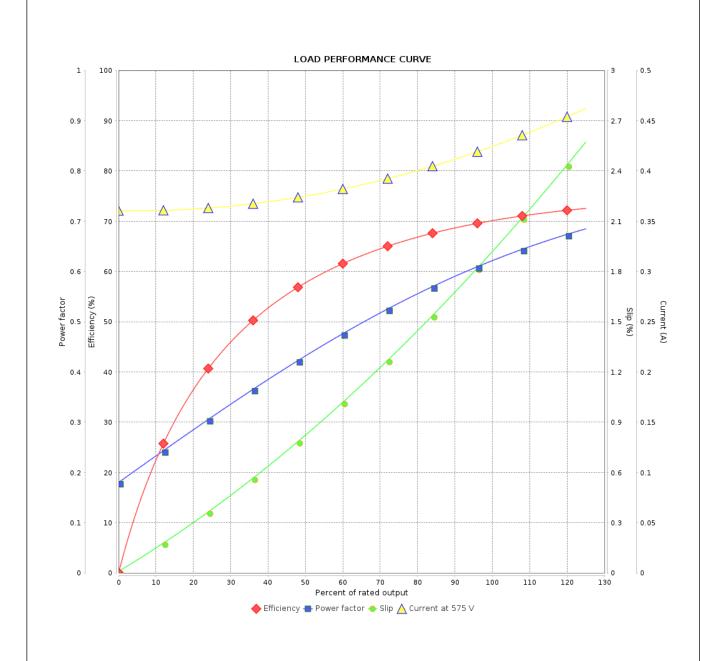
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Performance	: 575 V 60 Hz 4P				
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THERMAL LIMIT CURVE

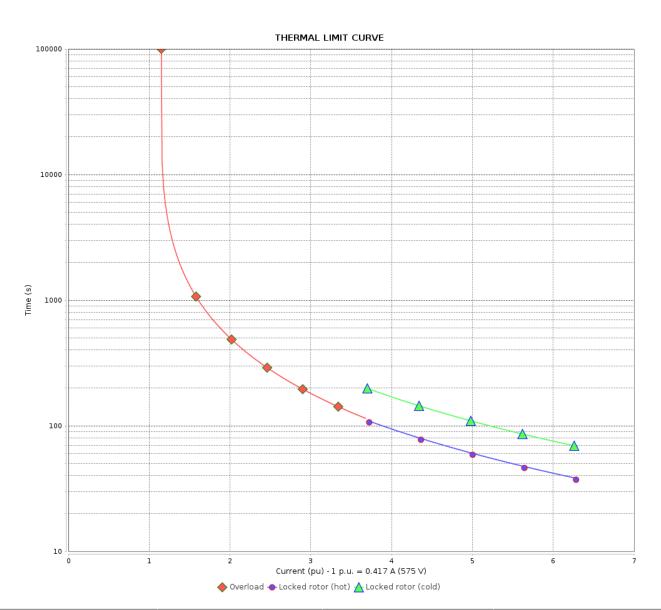
Three Phase Induction Motor - Squirrel Cage



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Product line : Standard Efficiency Three-Phase Product code : 14796866

Catalog #: .2518ES3H56C-S



Performance : 575 V 60 Hz 4P Rated current : 0.417 A Moment of inertia (J) : 0.0453 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.3 Insulation class Rated torque : 0.744 ft.lb : F : 240 % Locked rotor torque Service factor : 1.15 : 300 % Breakdown torque Temperature rise : 80 K Rated speed : 1765 rpm Heating constant

Cooling constant

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VFD OPERATION CURVE

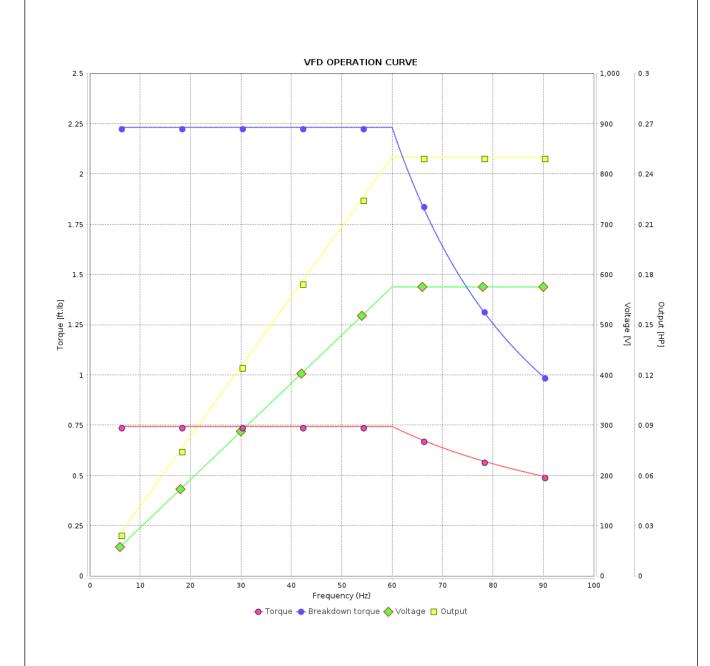
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 14796866

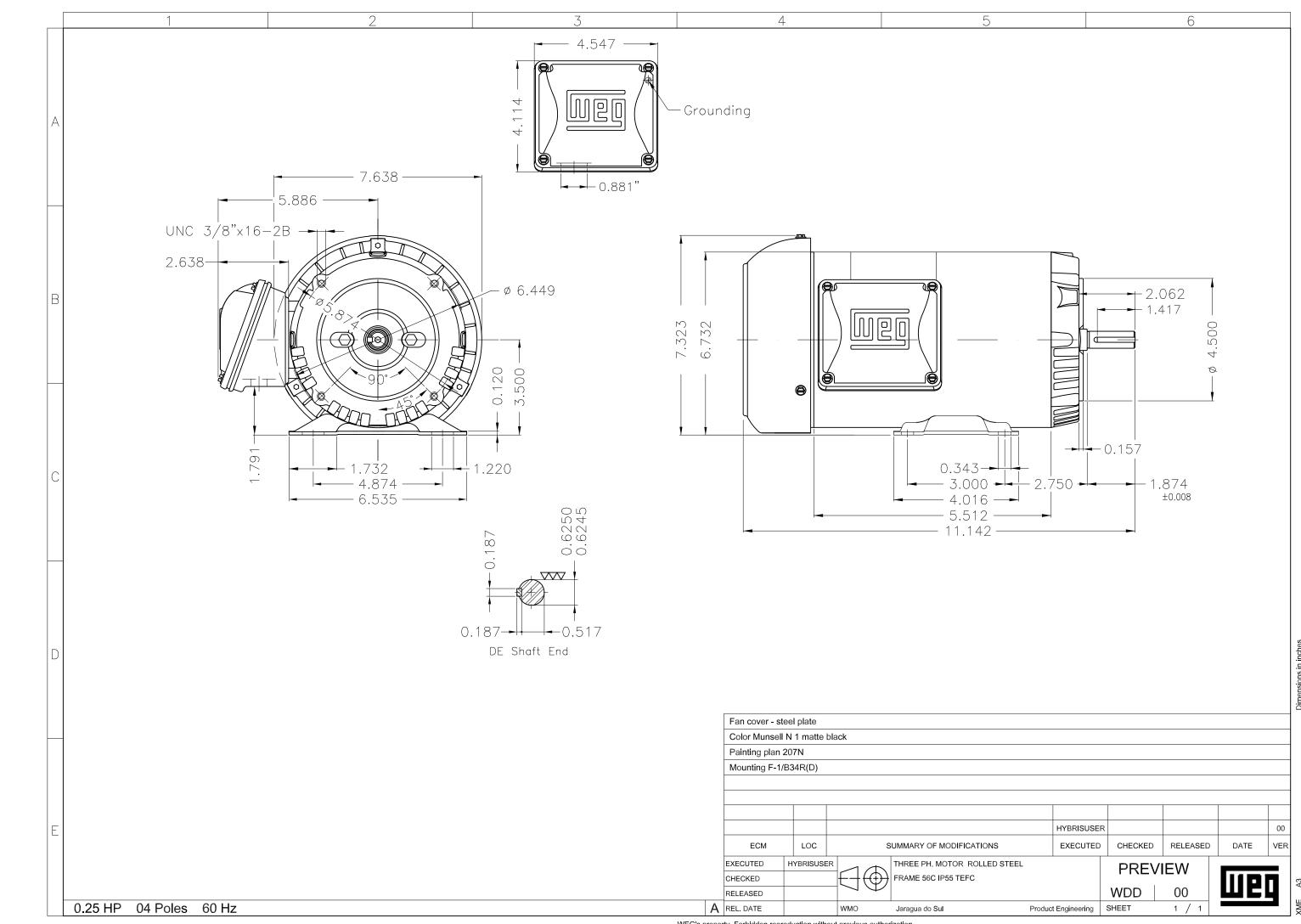
Catalog #: .2518ES3H56C-S



Performance	: 575 V 60 Hz 4P		
Rated current	: 0.417 A	Moment of inertia (J)	: 0.0453 sq.ft.lb
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 0.744 ft.lb	Insulation class	: F
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Locked rotor torque : 240 % Service factor : 1.15
Breakdown torque : 300 % Temperature rise : 80 K
Rated speed : 1765 rpm

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S. S. S. L)US LISTED 3PT9 FOR SAFE AREA

> V01.TE0IC0X0X 14796866

MADE IN MÉXICO

For 60Hz: Class I, Zone 2, IIC Class I, DIv.2, Gr. A,B,C,D - T3 CT 2:1/VT 1000:1 Div 2 Inverter Duty (SF1.00)

> MODEL .2518ES3H56C-S 8 B 9MAR2022

8 4 CONT 26C

2

0.18 575

DES 1000 m.a.s.l

F AT 80K

NS CL NCL WB

TEFC 2°04

0.480 0.417 1.15

CODE

NOM. EFF 70.0%

NEMA ZPM 3FA 냃 쌆

For safe area-inverter duty motor For use on VPWM 1000:1 VT, 10:1 CT MOBIL POLYREX EM ODE 6202-22

8203-ZZ

牌

T1-BLU T2-WHT

NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine

conformément aux codes électriques locaux et nationaux afin d'éviter tout

AVERTISSEMENT: Le moteur doit être mis à la terre



WARNING: Motor must be grounded in accordance with local

shocks. Disconnect power source before servicing unit. ind national electrical codes to prevent serious electrical