## **DATA SHEET**

### Three Phase Induction Motor - Squirrel Cage



Customer		:					
Product line		: Pre	mium Effici	ency Three-P	Phase Product code : Catalog # :	12809700 00218OT3H56CFL-S	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torqu Insulation class Service factor Moment of inertia	ie	: 4 : 60 l : 575 : 2.11 : 16.0 : 7.7; : 1.10 : 174 : 3.3; : 6.0 : 260 : 320 : F	P (1.5 kW) Hz 5 V 5 A 6 A x(Code K) 0 A 0 rpm 3 % 4 ft.lb 1 %		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 30s (cold) 17s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IC01 - ODP : F-1 : Both (CW and CCW) : 52.0 dB(A) : Direct On Line : 36.7 lb	
Output	25%	50%	75%	100%	Foundation loads		
Efficiency (%)	85.2	85.5	86.5	86.5	Max. traction	: 171 lb	
Power Factor	0.36	0.61	0.74	0.81	Max. compression	: 208 lb	
Bearing type Sealing		:	62	e end 04 ZZ Bearing Seal	Non drive end 6202 ZZ Without Bearing	_	

Mobil Polyrex EM

Notes

Lubrication interval Lubricant amount Lubricant type

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.

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

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MG-1.

### TORQUE AND CURRENT VS SPEED CURVE

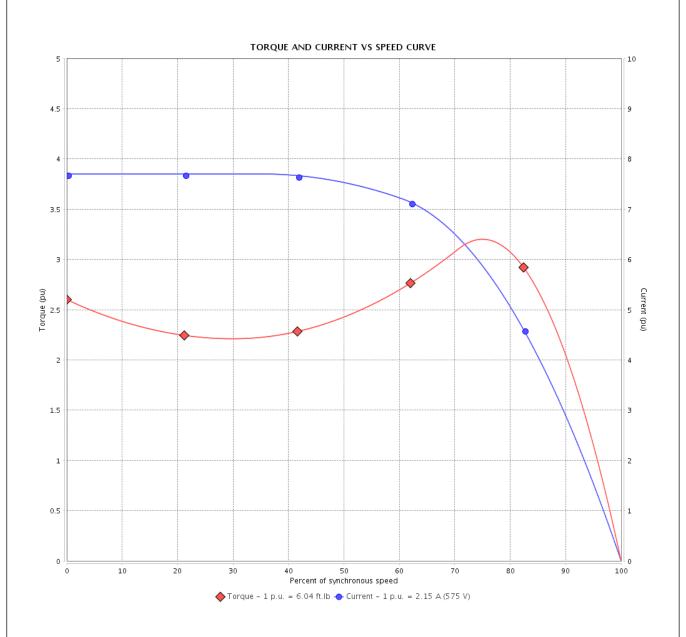
#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 12809700

Catalog #: 00218OT3H56CFL-S



Performance : 575 V 60 Hz 4P Rated current : 2.15 A Moment of inertia (J) : 0.1168 sq.ft.lb **LRC** : 7.7 Duty cycle : Cont.(S1) : F Rated torque : 6.04 ft.lb Insulation class : 260 % Service factor Locked rotor torque : 1.15 : 80 K Breakdown torque : 320 % Temperature rise Rated speed : 1740 rpm Design : A

Locked rotor time : 30s (cold) 17s (hot)

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# LOAD PERFORMANCE CURVE

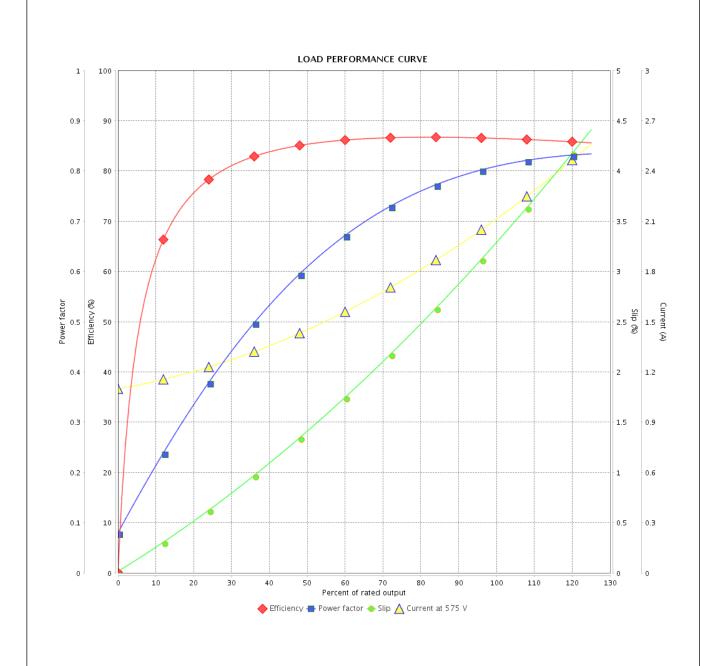
### Three Phase Induction Motor - Squirrel Cage



Customer

Product line : Premium Efficiency Three-Phase Product code : 12809700

Catalog #: 00218OT3H56CFL-S



Performance		: 575 V 60 Hz 4P					
Rated current LRC		.15 A .7	Moment of inertia (J) Duty cycle		: 0.1168 sq.ft.lb : Cont.(S1)		
		.04 ft.lb 60 %		Insulation class Service factor		: F : 1.15	
Breakdown torque Rated speed		20 % 740 rpm	Temperature rise Design		: 80 K : A		
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## THERMAL LIMIT CURVE

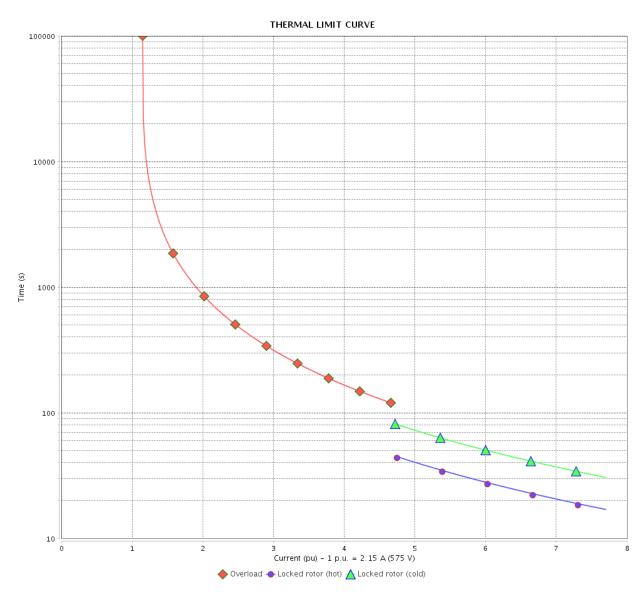
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Customer		

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Cooling Constant	•				
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# VFD OPERATION CURVE

### Three Phase Induction Motor - Squirrel Cage



Customer

Checked by

Date

14/04/2022

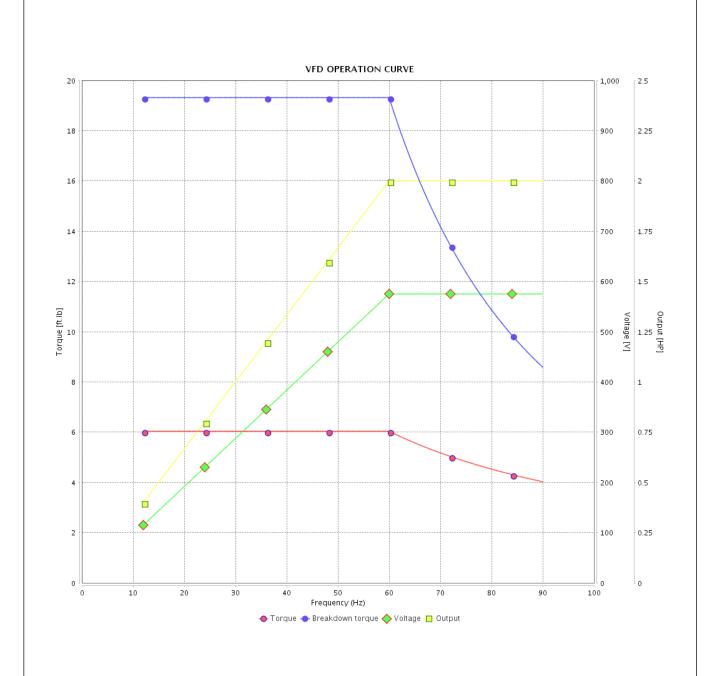
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Catalog #: 00218OT3H56CFL-S

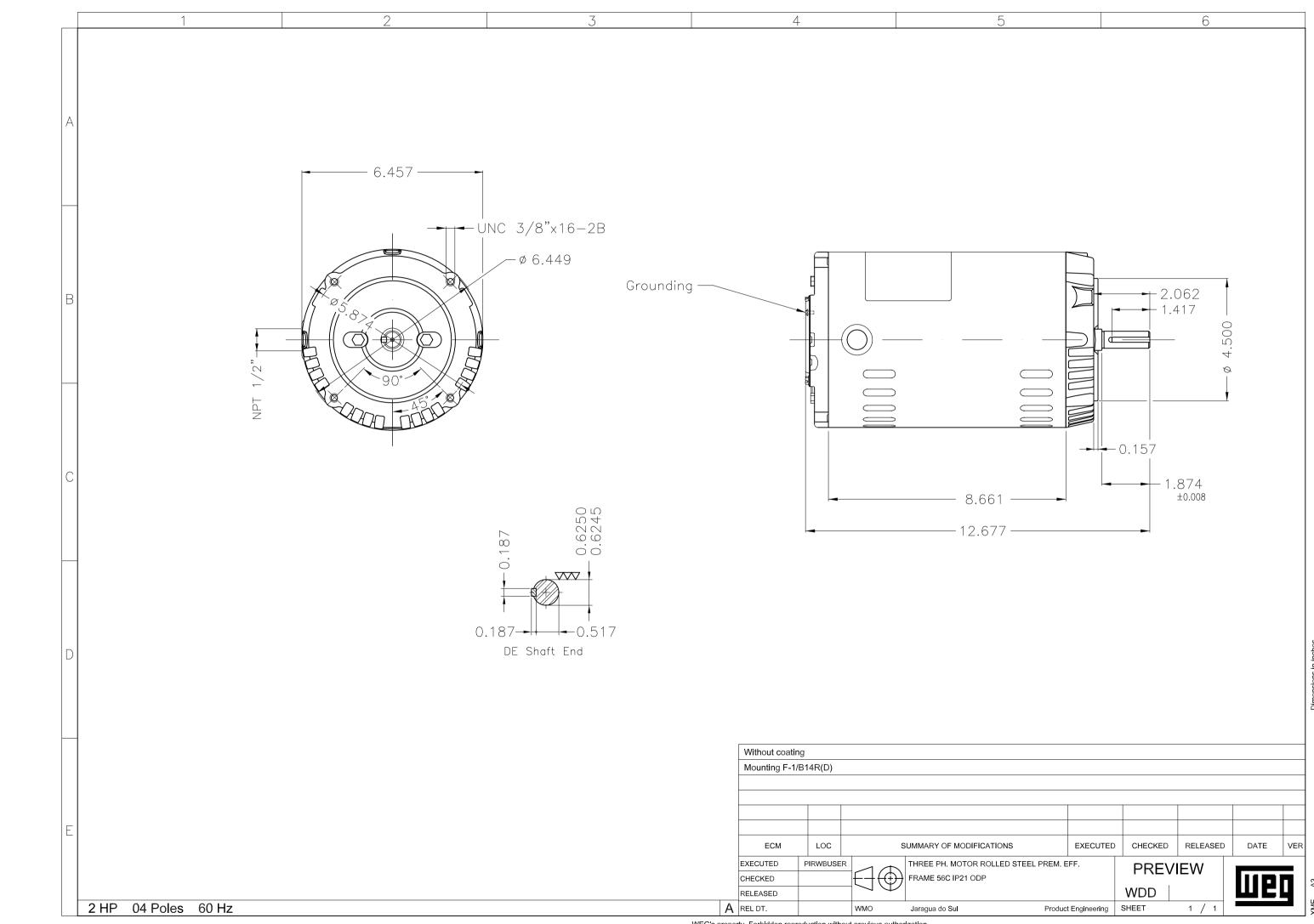
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Revision



Performance	: 575 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 2.15 A : 7.7 : 6.04 ft.lb : 260 % : 320 % : 1740 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1168 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : A		
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Performed by						









Energy Verifi

**&** 

3PT9

N01.TO0IC0X0X 12809700

MODEL 00218OT3H56CFL-S

B/N 4FEV2021

Hz 60 56C

CONT

1000 m.a.s.l

2.15 1.15 575 2.47

> 3FA 쑮

> > F AT 80K

NS CL NCL WB

2°04

ZPM 쌆

CODE DES

ODP

NEMA

HAM MON

Inverter duty motor For use on VPWM 1000:1 VT, 5:1 CT MOBIL POLYREX EM 86.5%

8202-ZZ

ODE

8204-ZZ

牌

T1-BLU

ROTATION



shocks. Disconnect power source before servicing unit. AVERTISSEMENT: Le moteur doit être mis à la terre choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine

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



