DATA SHEET

Three Phase Induction Motor - Squirrel Cage



| Customer | | : | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product line | | : NEN Phas | //A Premiur e | n Efficiend | cy Three- | Product cod | de : | 12845574 02036ET3H256TC-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) Design | | : 2 : 60 H : 575 : 18.2 : 120 : 6.6x : 5.50 : 351 : 2.36 : 29.9 : 200 : F : 1.15 | HP (15 kW) Hz V A A ((Code G) A 5 rpm 6 % 9 ft.lb % | | Temp Duty Ambi Altitu Prote Cooli Mour Rota Noise Start | ection degreeing methodinting | ure | : 21s (cold) 12s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 75.0 dB(A) : Direct On Line : 234 lb |
| Output Efficiency (%) Power Factor | 25% 89.7 0.55 | 50% 90.0 0.81 | 75% 91.0 0.88 | 100% 91.0 0.91 | Max. tr | ation loads action ompression | | : 298 lb : 533 lb |
| Bearing type Sealing Lubrication interv Lubricant amount Lubricant type | | : : : : | 630 V' 15 | e end 9 Z C3 Ring 797 h 3 g | Mobil Polyr | Without Bo 200 8 | ve end 3 Z C3 earing Sea 000 h 3 g | I |

Notes

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 MG-1.

| Rev. | | Changes Summary | Performed | Checked | Date |
|--------------|------------|-----------------|-----------|---------|----------|
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| Performed by | | | | | |
| Checked by | | | | Page | Revision |
| Date | 14/04/2022 | | | 1/6 | |

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

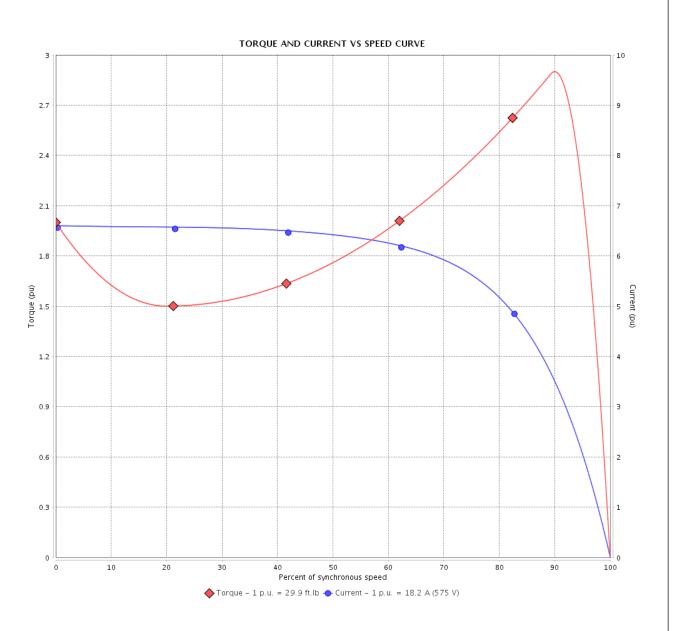


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12845574

Phase

Catalog #: 02036ET3H256TC-S



Performance : 575 V 60 Hz 2P Rated current : 18.2 A Moment of inertia (J) : 1.22 sq.ft.lb **LRC** : 6.6 Duty cycle : Cont.(S1) Insulation class Rated torque : 29.9 ft.lb : F Locked rotor torque : 200 % Service factor : 1.15 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 3515 rpm Design : B

Locked rotor time : 21s (cold) 12s (hot)

| Rev. | | Changes Summary | Performed | Checked | Date |
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

Checked by

Date

14/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

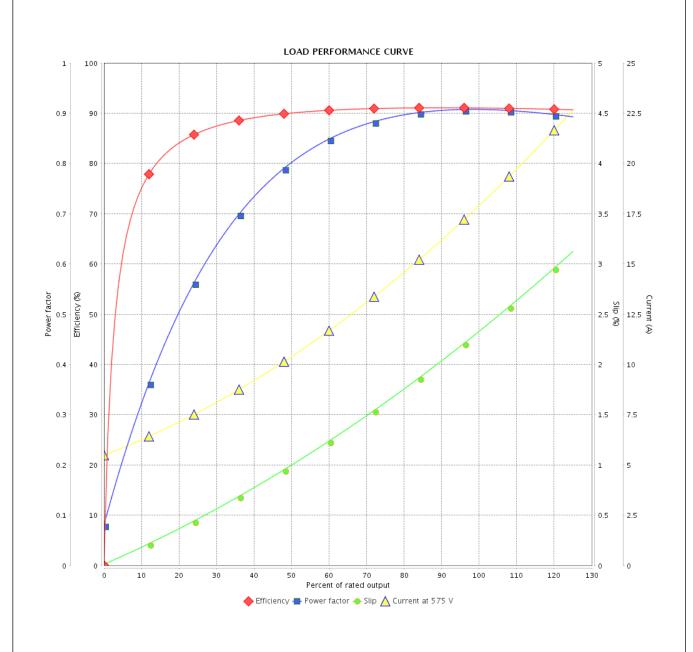
Catalog #: 02036ET3H256TC-S

12845574

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Revision



| Performance | | : 575 V 60 Hz 2P | | | | |
|---------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------|------------------------------------------------------------------|------|
| Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | | : 18.2 A : 6.6 : 29.9 ft.lb : 200 % : 290 % : 3515 rpm Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design | | ele n class factor | : 1.22 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B | |
| Rev. | | Changes Sum | mary | Performed | Checked | Date |
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



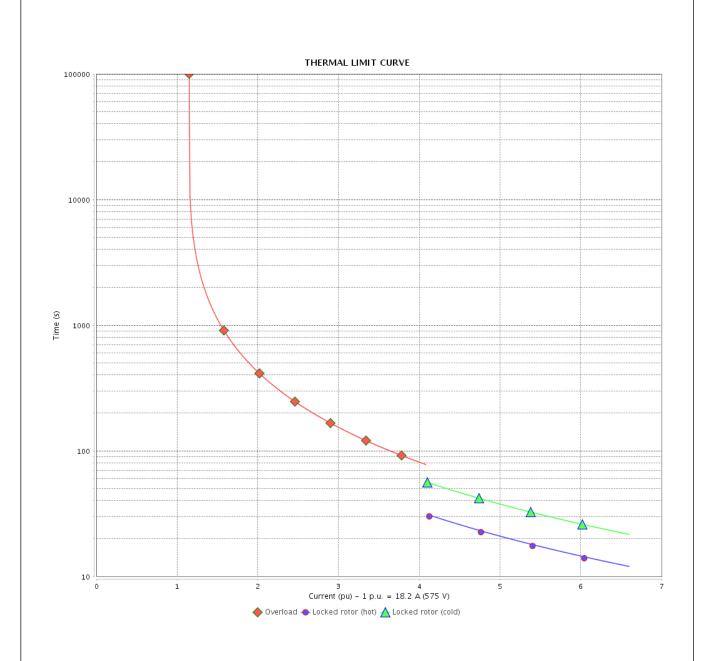
| Customer | : | | | | | |
|---------------------------------|---------------|-------------------------|--------------------------|----------------|--------------------|----------|
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| Product line | | NEMA Premium Efficiency | Three- | Product code : | 12845574 | |
| | PI | hase | | Catalog # : | 02036ET3H2 | 56TC-S |
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| | | | | | | |
| Performance | : 57 | 75 V 60 Hz 2P | | | | |
| Rated current | : 18 | 3.2 A | Moment o | f inertia (J) | : 1.22 sq.ft.lb | |
| LRC Rated torque | : 6. : 29 | 6 9.9 ft.lb | Duty cycle Insulation | e class | : Cont.(S1) : F | |
| Locked rotor torqu | e : 20 | 00 % | Service fa | ctor | : 1.15 | |
| Breakdown torque Rated speed | | 90 % 515 rpm | Temperatu Design | ıre rise | : 80 K : B | |
| Heating constant | | • | | | | |
| Cooling constant | | | | | | |
| Rev. | | Changes Summary | | Performed | Checked | Date |
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer



| Rev. | | Changes Summary | Performed | Checked | Date |
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

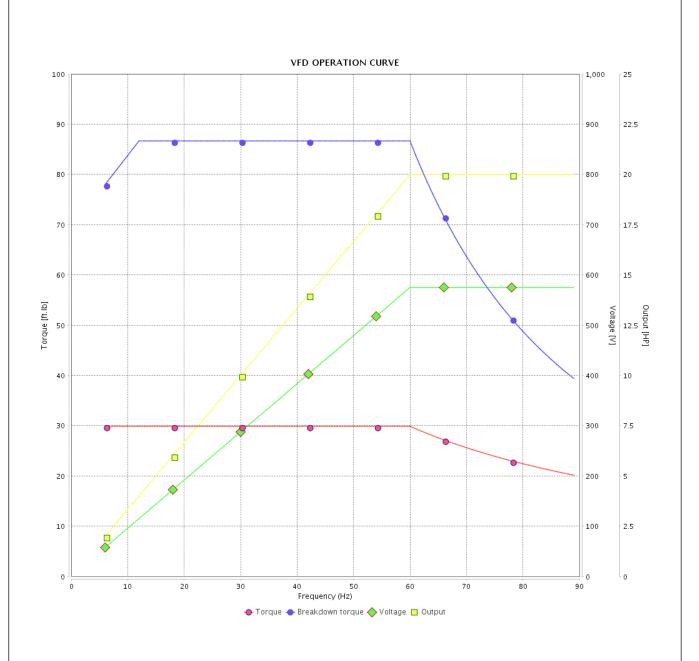
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 02036ET3H256TC-S

12845574

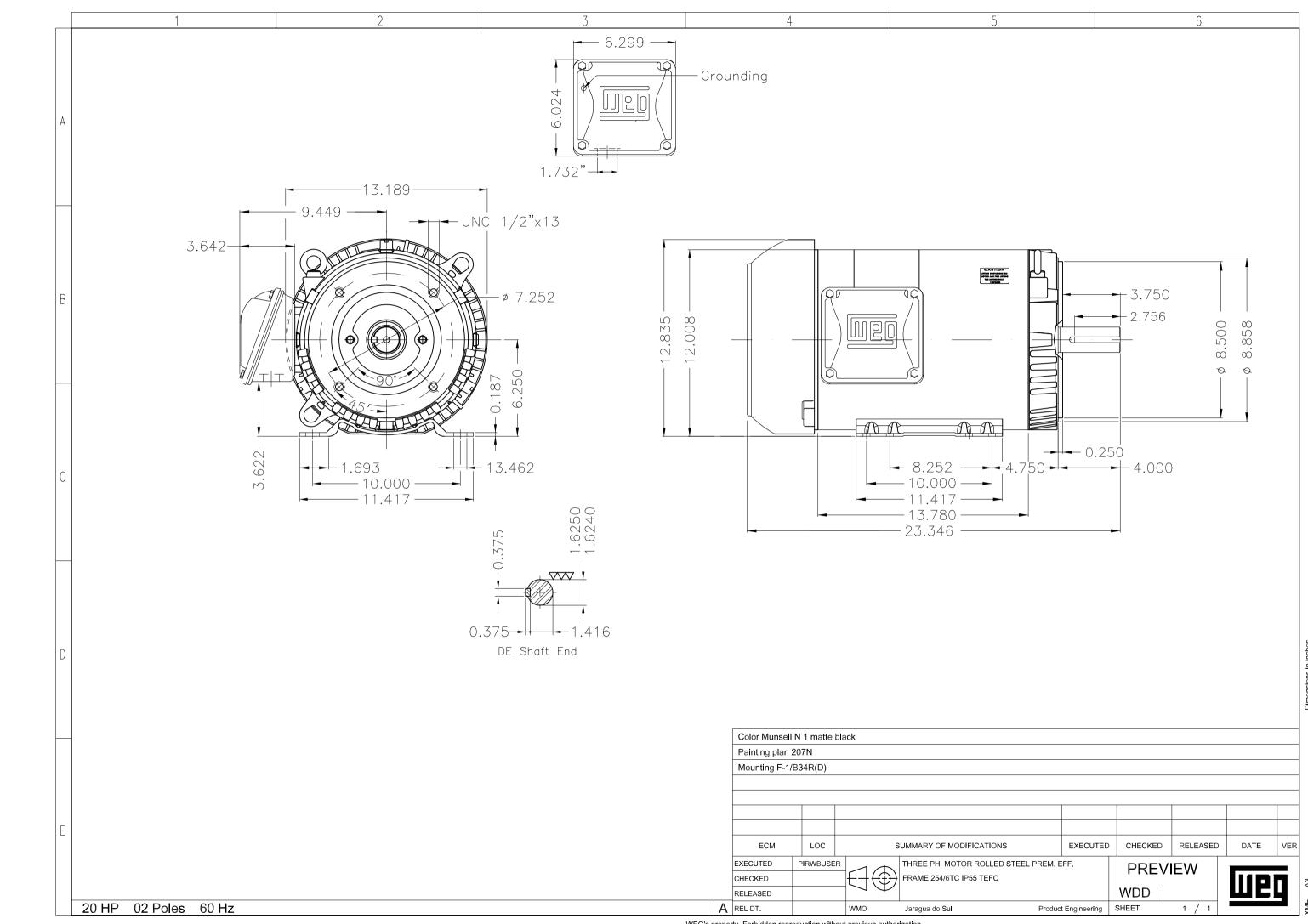
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| Performance | : 575 V 60 Hz 2P | | | |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------|
| Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | : 18.2 A : 6.6 : 29.9 ft.lb : 200 % : 290 % : 3515 rpm | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design | : 1.22 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B | |
| Rev. | Changes Summary | Performed | Checked | Date |
| Performed by | | | | |
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14/04/2022

Date





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(**UL)**US LISTED FOR SAFE AREA

3PT9

& Energy Verified 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)

CC029A

12845574

N01.TE0IC0X0N

8 S/N ž CT020502NPW01 254/6TC 07DEC2021

lσ P55 CODE SH

1000 m.a.s.l

CONT

F AT 80K

TEFC 0 SCI NCL WB

18.2 1.15

575 20.9

> ZPM 3FA SF 쌆

NEMA

0.91

NOM. EFF 91.0% 3515

For safe area-inverter duty motor For use on VPWM 1000:1 VT, 10:1 CT ME XERY POLYREX EM

ODE 6208-Z-C3 9

8309-Z-C3

牌

15797h

T1-BLU

NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

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



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



