DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 12727233 Catalog #: 01518OT3H254T-S Frame : 254/6T Locked rotor time : 30s (cold) 17s (hot) Output : 15 HP (11 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 575 V : 1000 m.a.s.l. Altitude Cooling method Rated current : 14.9 A : IC01 - ODP L. R. Amperes : 100 A Mounting : F-1 : Both (CW and CCW) LRC : 6.7x(Code H) Rotation¹ No load current : 7.60 A Noise level² : 64.0 dB(A) Rated speed : 1775 rpm Starting method : Direct On Line : 188 lb Slip : 1.39 % Approx. weight³ Rated torque : 44.4 ft.lb : 240 % Locked rotor torque Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.82 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads Efficiency (%) 91.0 91.7 92.4 93.0 Max. traction : 544 lb Power Factor 0.62 0.80 0.36 0.73 Max. compression : 733 lb Non drive end Drive end 6208 Z C3 Bearing type 6309 Z C3 Sealing Without Bearing Seal Without Bearing Seal 20000 h

Lubrication interval 20000 h Lubricant amount 13 g Mobil Polyrex EM

Lubricant type

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.

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| Date | 14/04/2022 | | | 1/6 | |

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



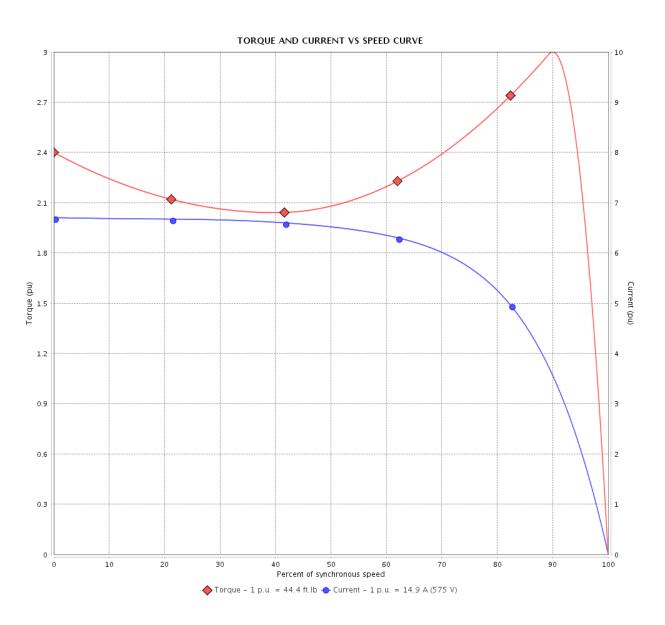
Customer :

Product line : NEMA Premium Efficiency Three- Produ

Phase

Product code: 12727233

Catalog #: 01518OT3H254T-S



Performance : 575 V 60 Hz 4P Rated current : 14.9 A Moment of inertia (J) : 1.82 sq.ft.lb **LRC** : 6.7 Duty cycle : Cont.(S1) : 44.4 ft.lb Insulation class Rated torque : F Locked rotor torque : 240 % Service factor : 1.15 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1775 rpm Design : B

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

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| Date | 14/04/2022 | | | 2/6 | |

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

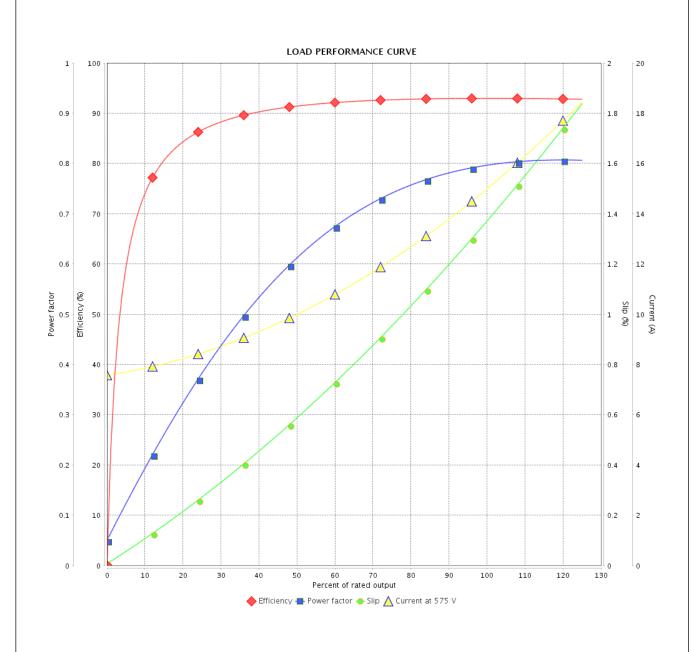


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12727233

Phase

Catalog #: 01518OT3H254T-S



| Performance : 575 V 60 Hz 4P | | | | | | |
|------------------------------|-----------------|-----------------------|------------------|-----------------|--------|--|
| Rated current | : 14.9 A | Moment of inertia (J) | | : 1.82 sq.ft.lb | | |
| LRC | : 6.7 | Duty cycle | | : Cont.(S1) | | |
| Rated torque | : 44.4 ft.lb | Insulation class | | :F | | |
| Locked rotor torque | : 240 % | Service fa | Service factor | | : 1.15 | |
| Breakdown torque | : 300 % | Temperatu | Temperature rise | | | |
| Rated speed | : 1775 rpm | Design | Design | | | |
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| Date | 14/04/2022 | 1 | | 3/6 | |

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



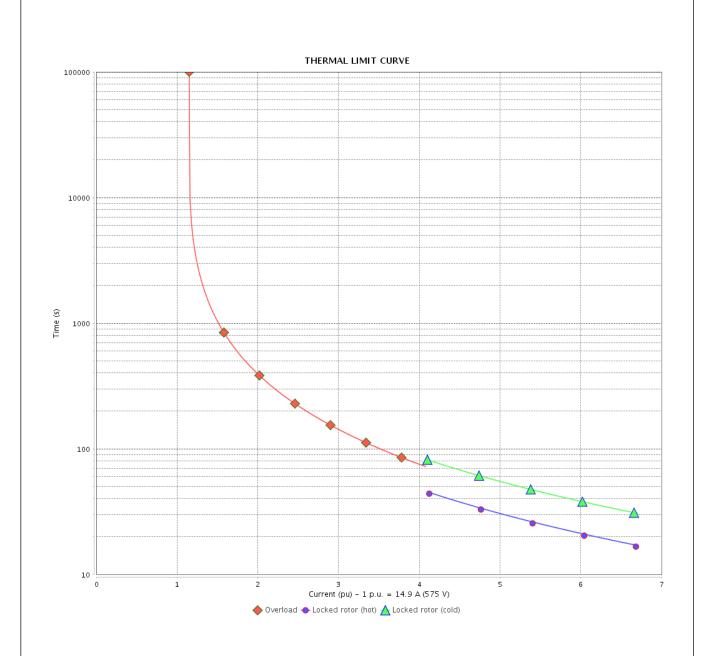
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| Performance Rated current | : 575 V 60 Hz 4P : 14.9 A | Moment | of inertia (J) | : 1.82 sq.ft.lb | |
| LRC | : 6.7 | Duty cycle | е | : Cont.(S1) | |
| Rated torque | : 44.4 ft.lb : 240 % | Insulation Service fa | class | : F : 1.15 | |
| Locked rotor torque Breakdown torque | : 240 % | Temperat | | : 1.15 : 80 K | |
| Rated speed | : 1775 rpm | Design | | : B | |
| Heating constant | | | | | |
| Cooling constant | | | | | |
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer



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| Date | 14/04/2022 | | | 5/6 | |

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Revision

Page 6 / 6

Customer :

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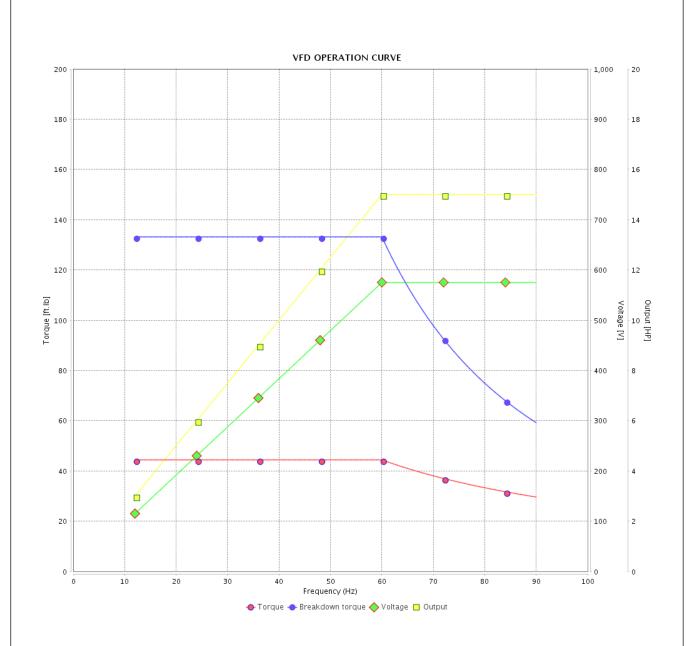
Date

14/04/2022

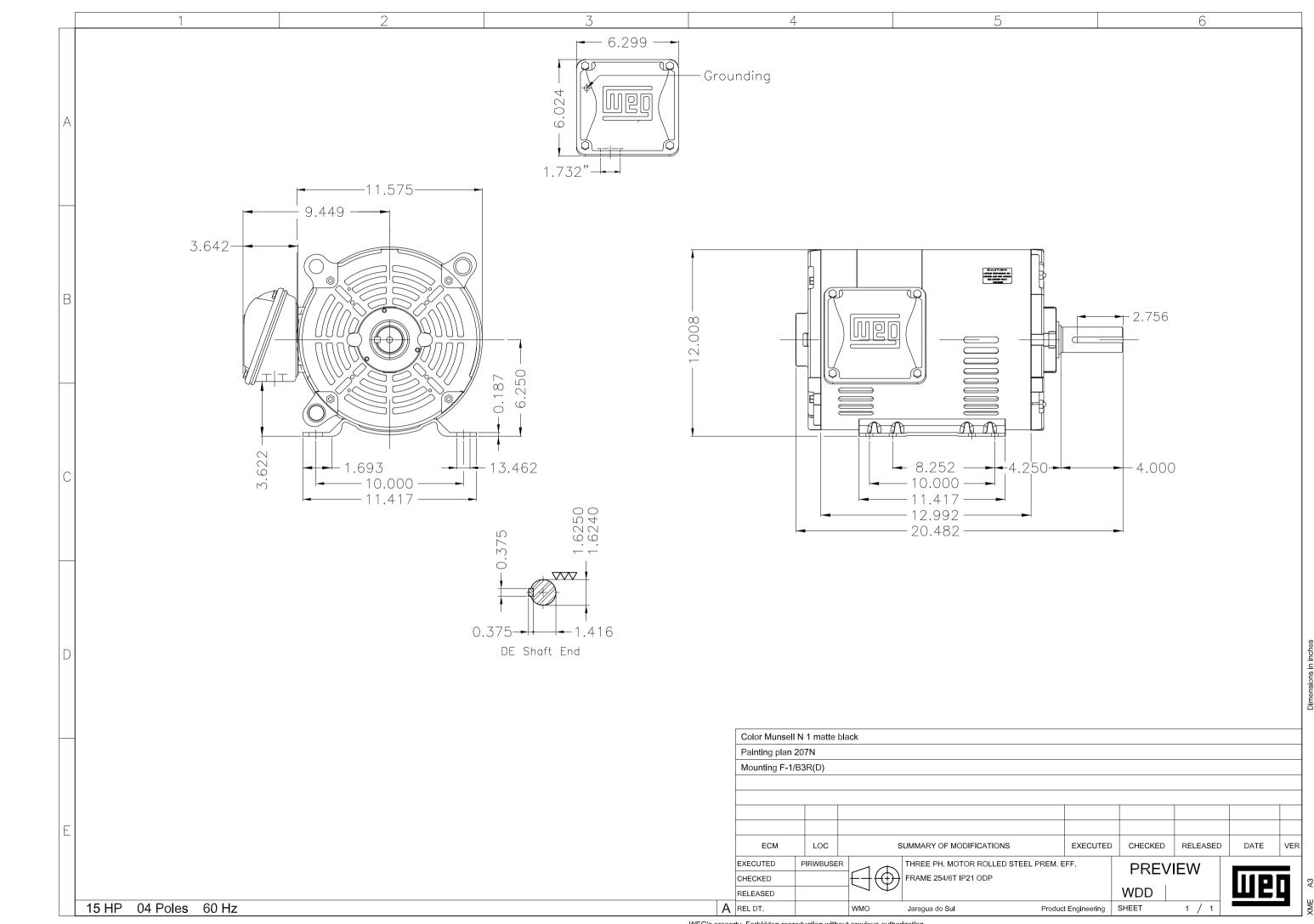
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Phase

Catalog #: 01518OT3H254T-S



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& Energy Verified

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(**VL)**US LISTED

MODEL 015180T3H254T-S S/N N01.TODICOXON

12727233

MADE IN MÉXICO

Hz 60 2FEB2022

254/6T CONT

1000 m.a.s.l

F AT 80K

3FA 쑮 쌆

DES

2°04 ODP

NSC NCL WB

NOM. EFF 93.0% RPM CODE

1775 1.15 575 14.9 17.1

NEMA

Inverter duty motor For use on VPWM 1000:1 VT, 5:1 CT

ODE 6208-Z-C3

ME XERY POLYREX EM 9

8309-Z-C3

牌

2000bh

T2-WHT

T1-BLU

shocks. Disconnect power source before servicing unit. NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION WARNING: Motor must be grounded in accordance with local ind national electrical codes to prevent serious electrical

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





T4-YEL conformément aux codes électriques locaux et nationaux ann d'éviter tout AVERTISSEMENT: Le moteur doit être mis à la terre