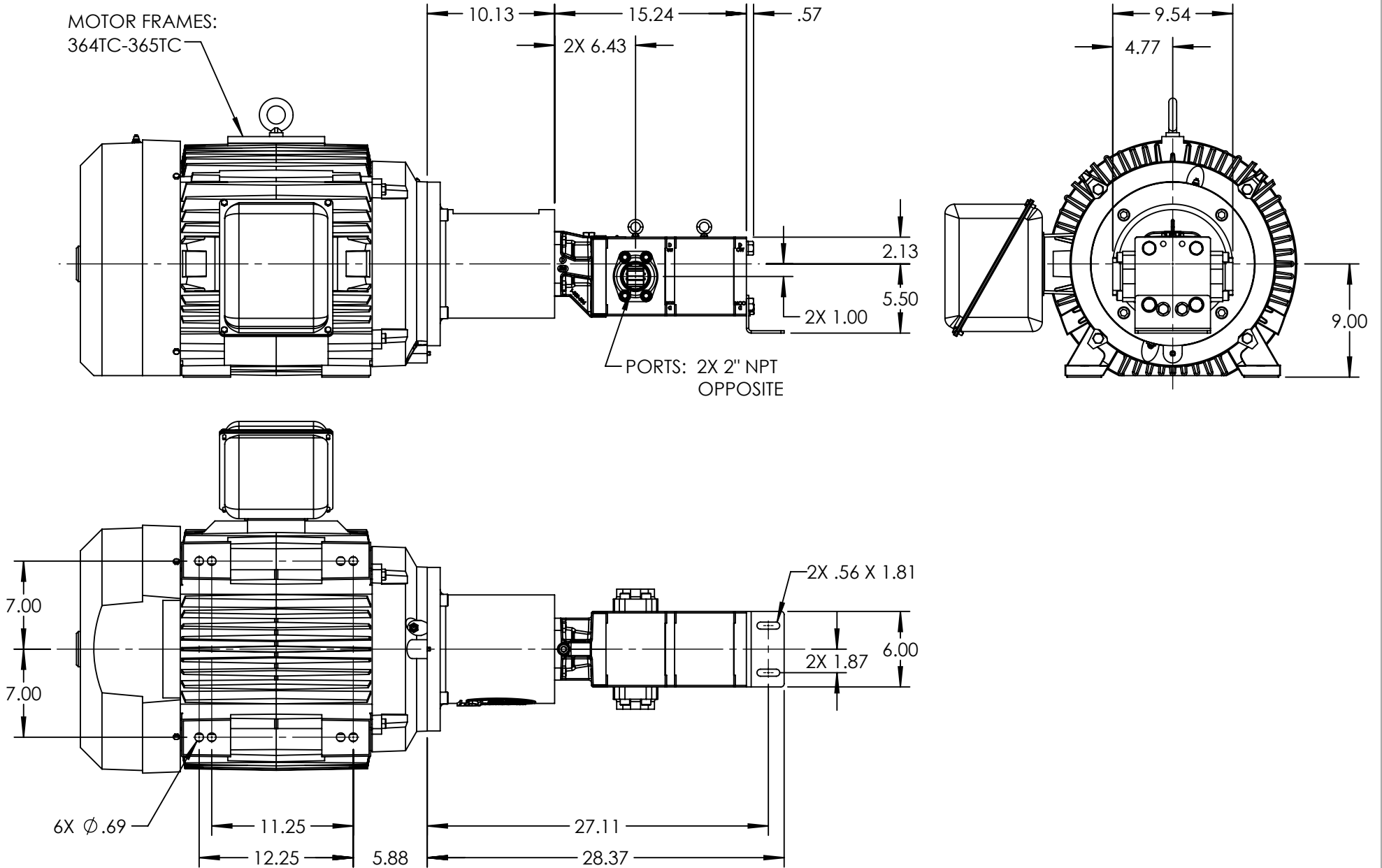


MOTOR FRAMES:
364TC-365TC



STANDARD MODELS: GB-41026-G00-M, GB-41026-G10-M

NOTES:

1. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

| | | |
|---------|-------------|------------|
| STATE | Released | 07/16/2021 |
| DRAWN | bmanternach | 7/8/2021 |
| CHECKED | JAG | 07/16/2021 |

| |
|-----------------------------|
| DIMENSIONS ARE IN INCHES |
| PROJECT: E331 |
| WAS: |



VIKING PUMP, INC.
A Unit of IDEX Corporation
Cedar Falls, IA 50613
U.S.A.

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3D

DWG. NO. GPV-1026-076-U
SHEET 1 OF 1

REV. A.0
07/16/2021

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

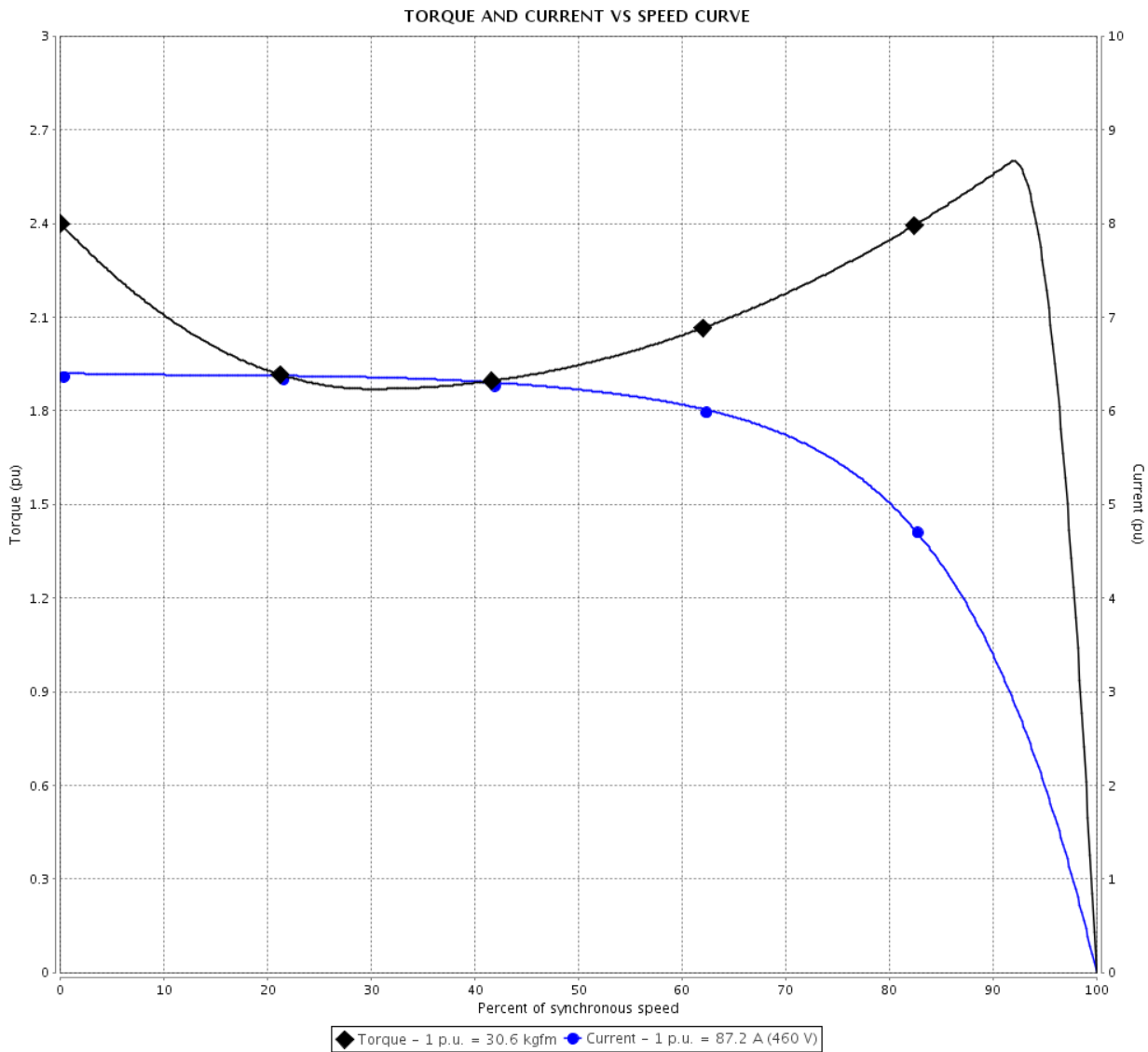


Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 12076589

Catalog # : 07518ET3E365TC-W22



Performance : 230/460 V 60 Hz 4P

Rated current : 174/87.2 A
LRC : 6.4
Rated torque : 30.6 kgfm
Locked rotor torque : 240 %
Breakdown torque : 260 %
Rated speed : 1780 rpm

Moment of inertia (J) : 0.9798 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

Locked rotor time : 25s (cold) 14s (hot)

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------------|----------|
| | | | | |
| Performed by | | | Page 2 / 6 | Revision |
| Checked by | | | | |
| Date | 06/08/2020 | | | |

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

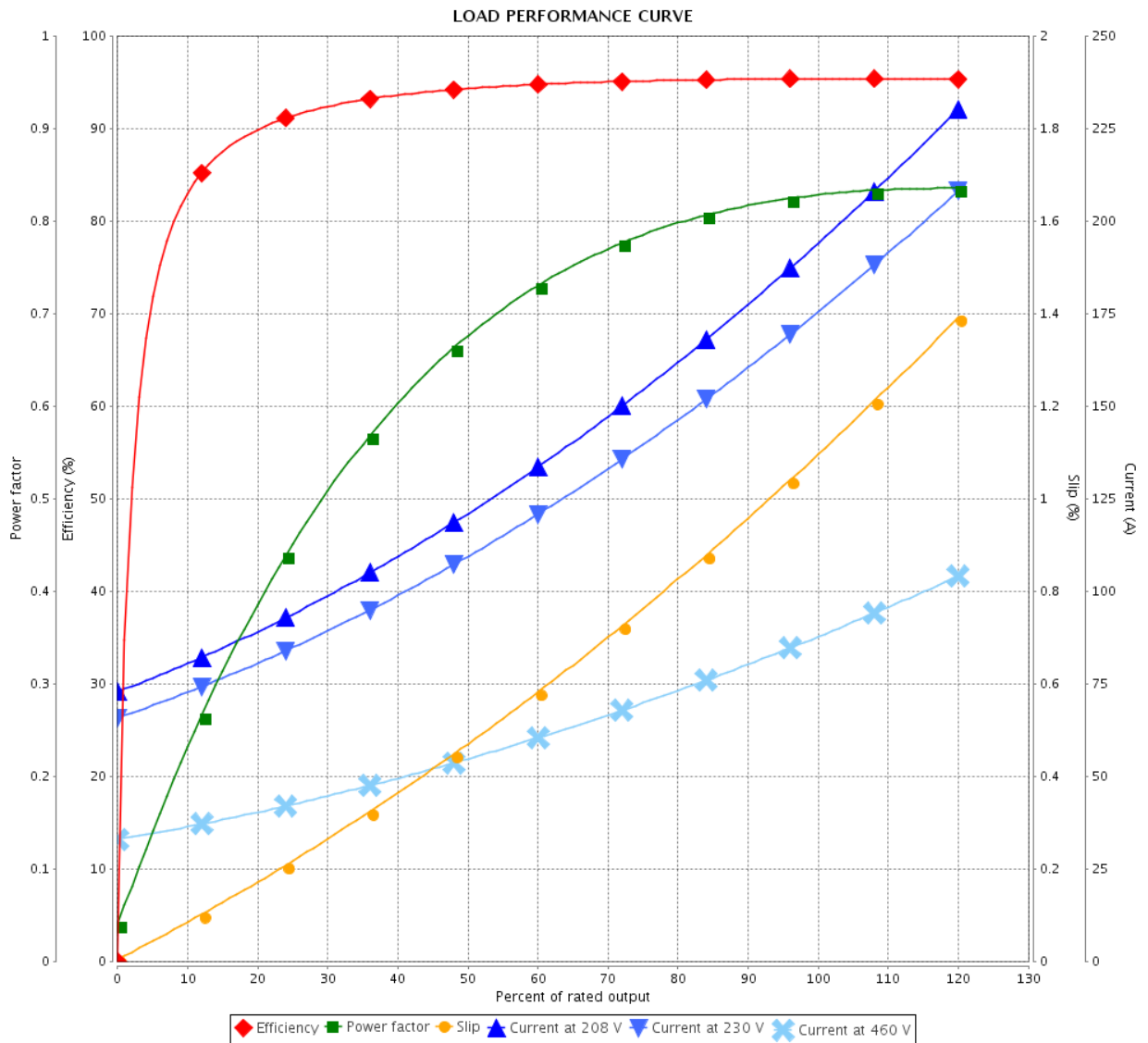


Customer : _____

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 12076589

Catalog # : 07518ET3E365TC-W22



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 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|------------|---------|----------|
| | | | | |
| Performed by | | Page | | Revision |
| Checked by | | 3 / 6 | | |
| Date | | 06/08/2020 | | |

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 12076589

Catalog # : 07518ET3E365TC-W22

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Breakdown torque : 260 %
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Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

Heating constant

Cooling constant

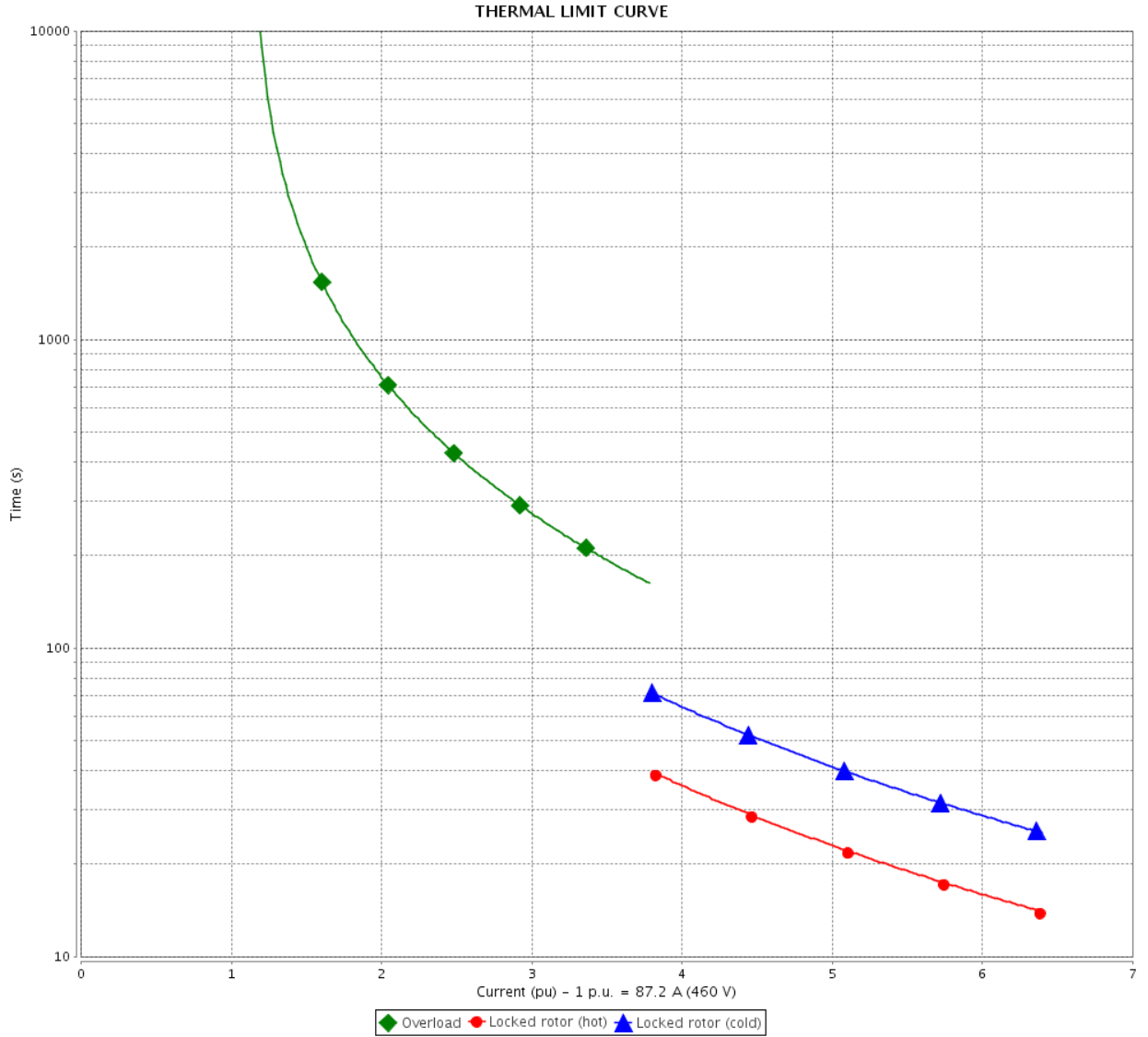
| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------|----------|
| | | | | |
| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 06/08/2020 | | 4 / 6 | |

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------|----------|
| | | | | |
| Performed by | | | | |
| Checked by | | | | |
| Date | | | | |
| | | | Page | Revision |
| | | | 5 / 6 | |

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

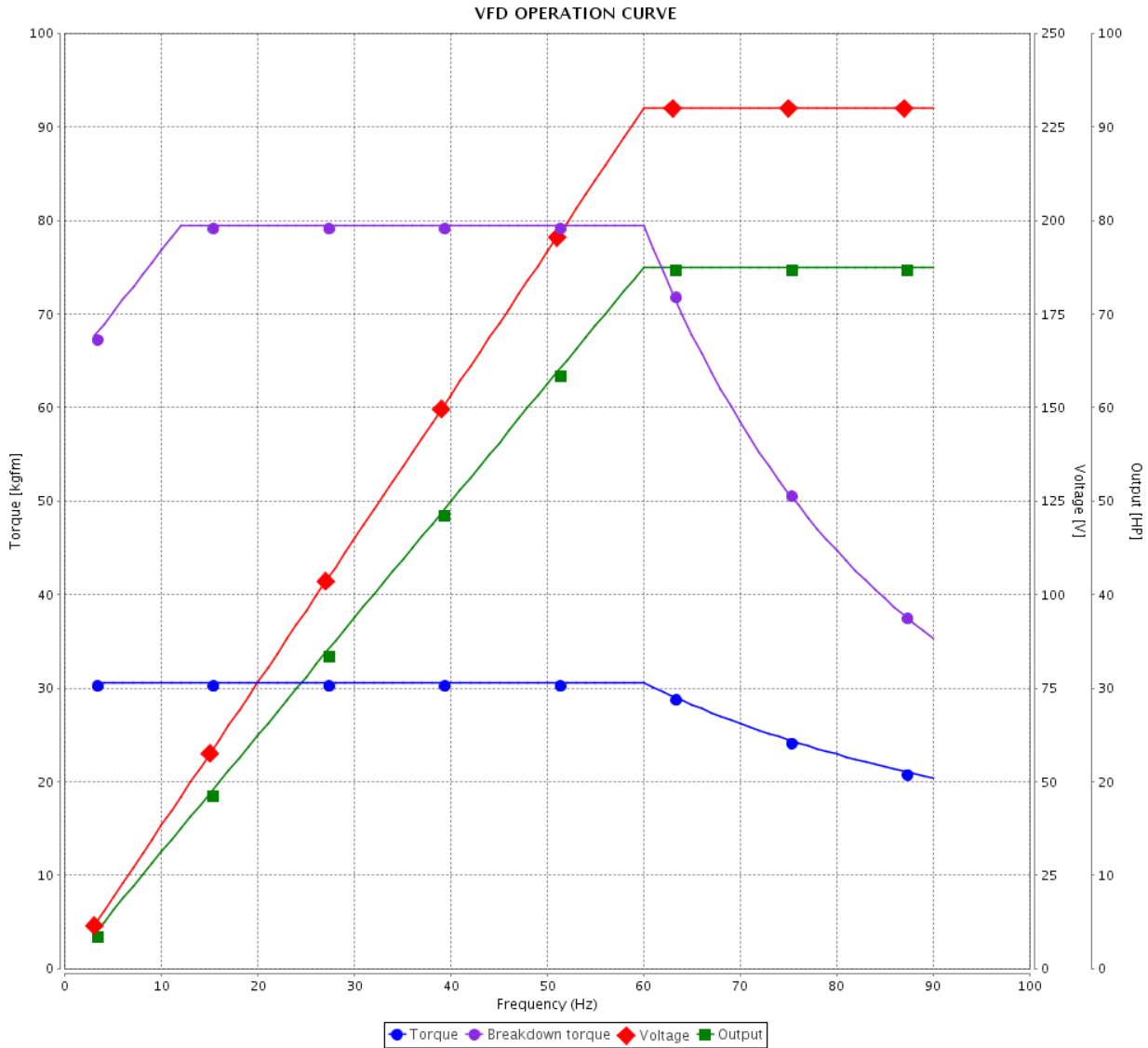


Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 12076589

Catalog # : 07518ET3E365TC-W22



Performance : 230/460 V 60 Hz 4P

Rated current : 174/87.2 A
 LRC : 6.4
 Rated torque : 30.6 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 260 %
 Rated speed : 1780 rpm

Moment of inertia (J) : 0.9798 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

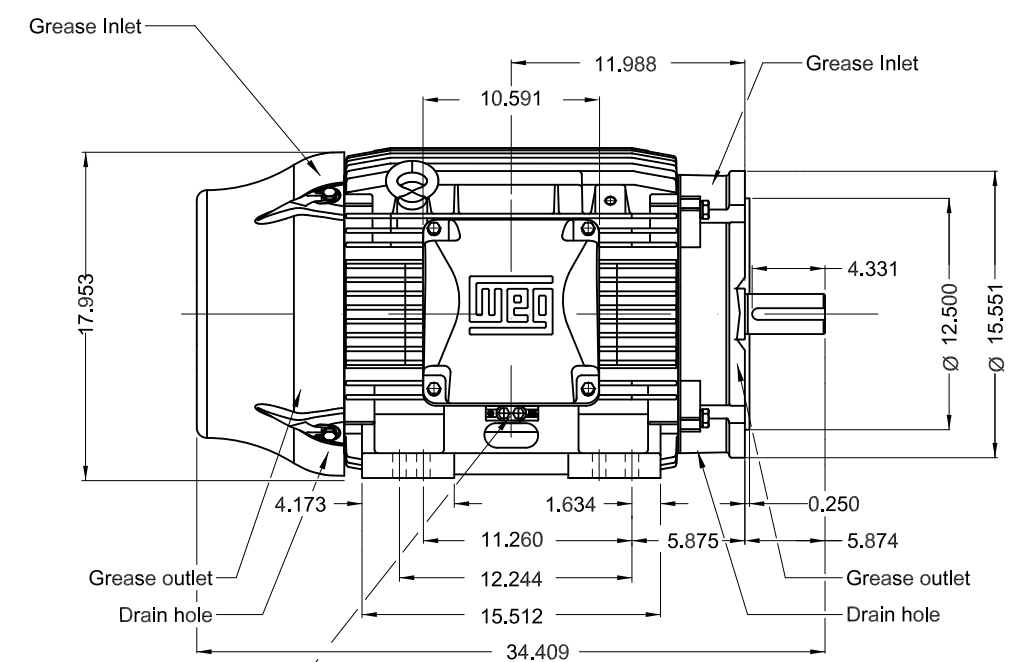
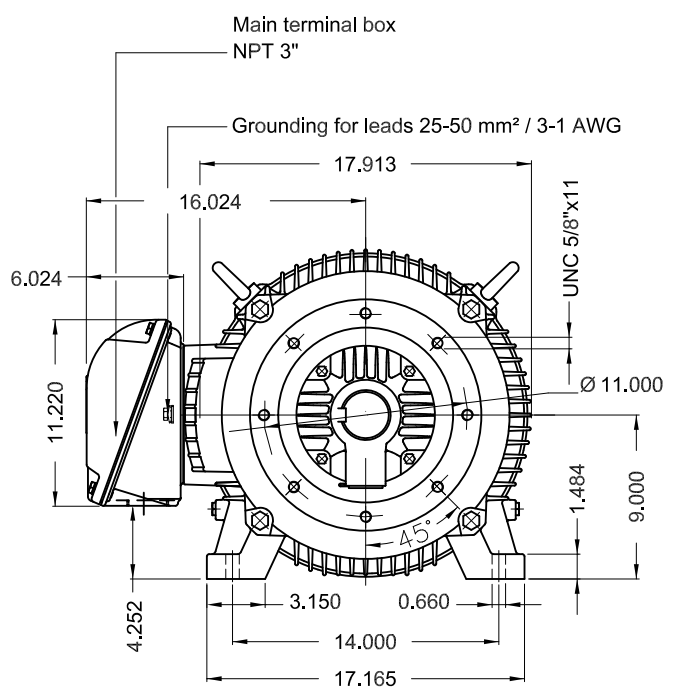
| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------|----------|
| | | | | |
| Performed by | | | Page | Revision |
| Checked by | | | | |
| Date | | | | |

1 2 3 4 5 6

A

B

C

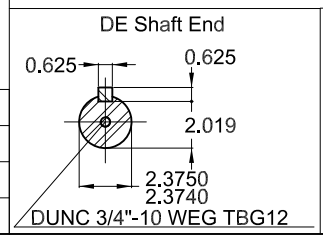


Grounding for leads 25-185 mm² / 3AWG-350MCM

D

E

Without vertical jackscrews
 Color RAL 5009
 Painting plan 203A
 Mounting B34R(D)



75 HP 04 Poles 60Hz A

| ECM | LOC | SUMMARY OF MODIFICATIONS | EXECUTED | CHECKED | RELEASED | DATE | VER |
|----------|-----------|--|---------------------|---------|----------|------|-----|
| EXECUTED | PIRWBUSER | THREE PHASE W22 MOTOR - NEMA PREMIUM EFF | | | | | |
| CHECKED | | FRAME 364/5TC IP55 TEFC | | | | | |
| RELEASED | | | | | | | |
| REL DT. | WMO | Jaragua do Sul | Product Engineering | SHEET | 1 / 1 | | |

PREVIEW
WDD





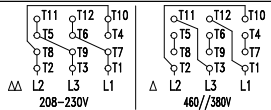
FOR SAFE AREA
MOD.TE1BFOXON



For 60Hz: Class I, Div 2, Gr. A, B, C and D - T3
Class I, Zone 2, IIC - T3
Class II, Div 2, Gr. F and G - T4
For 60Hz use on PWM, Gr. A, B, C, D and F,
VT 1000:1, CT 20:1, 1.0SF, T3A

MODEL 07518ET3E365TC-W22
MADE IN MEXICO
12076589

| | | | |
|---|----------------------------|-------------------|-------------|
| PH 3 | FR 364/5TC | HP(kW) 75.0(55.0) | Hz 60 |
| V 230/460 | A 174/87.2 | RPM 1780 | DES B |
| NEMA NOM EFF 95.4 % | INS. CL. F Δ T 80 K | IP55 | |
| ENCL TEFC | DUTY CONT. | AMB. 40°C | |
| CODE G | PF 0.83 | SF 1.25 | SFA 218/109 |
| USABLE @208V 186 A | SF 1.10 | SFA 205 | |
| 75HP 55kW 50Hz 380V 106A 1470RPM SF1.00 EFF 93.6% (IE2) | ALT 1000 m.a.s.l. | 952 Lbs | |



→ 6314-C3(27g) MOBIL POLYREX EM
→ 6314-C3(27g) 12000 h