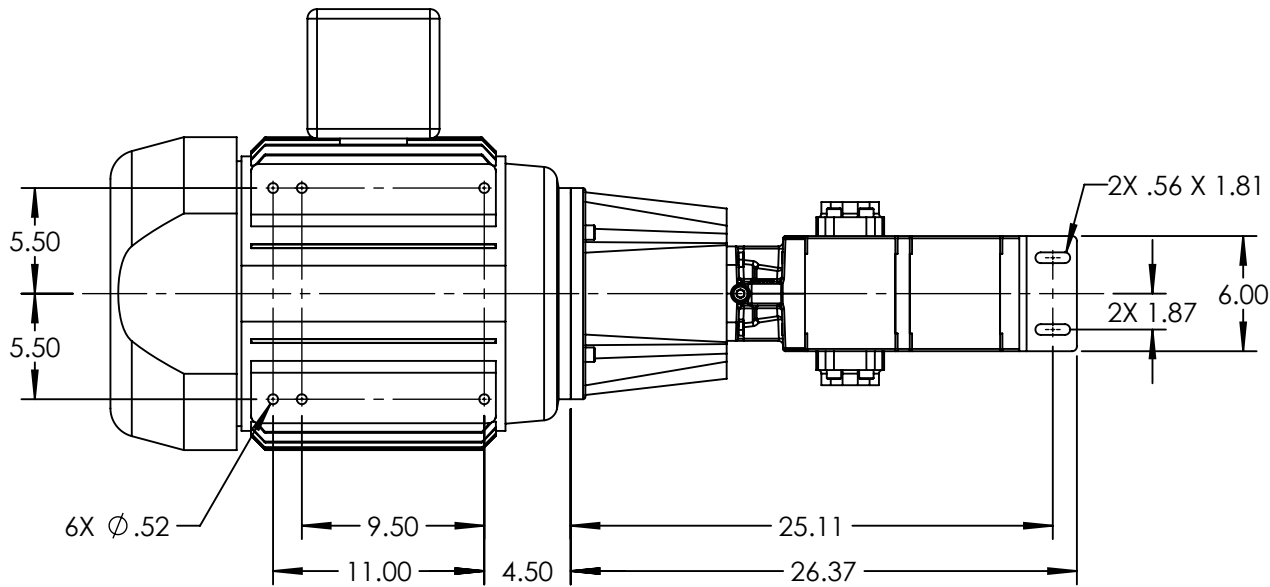
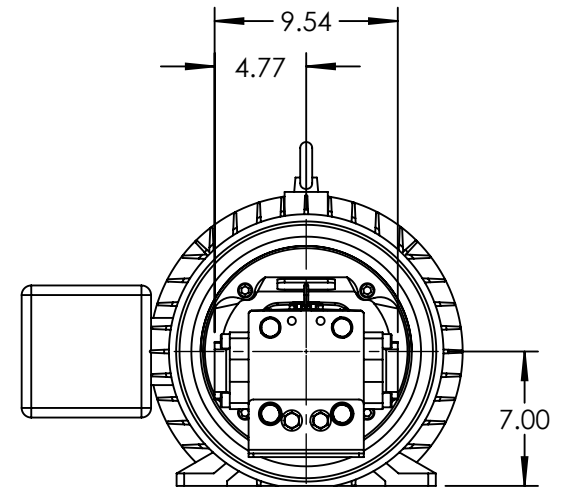
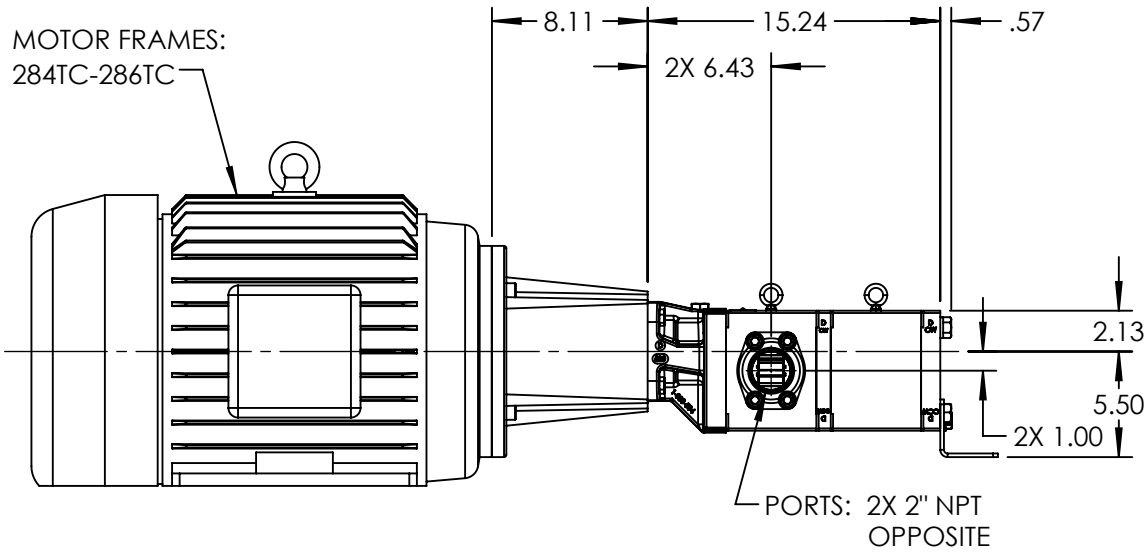


MOTOR FRAMES:
284TC-286TC



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

NOTES:

1. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

STATE	Released	07/16/2021
DRAWN	bmanernach	6/23/2021
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-1026-074-U
SHEET 1 OF 1

REV. A.0
07/16/2021

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



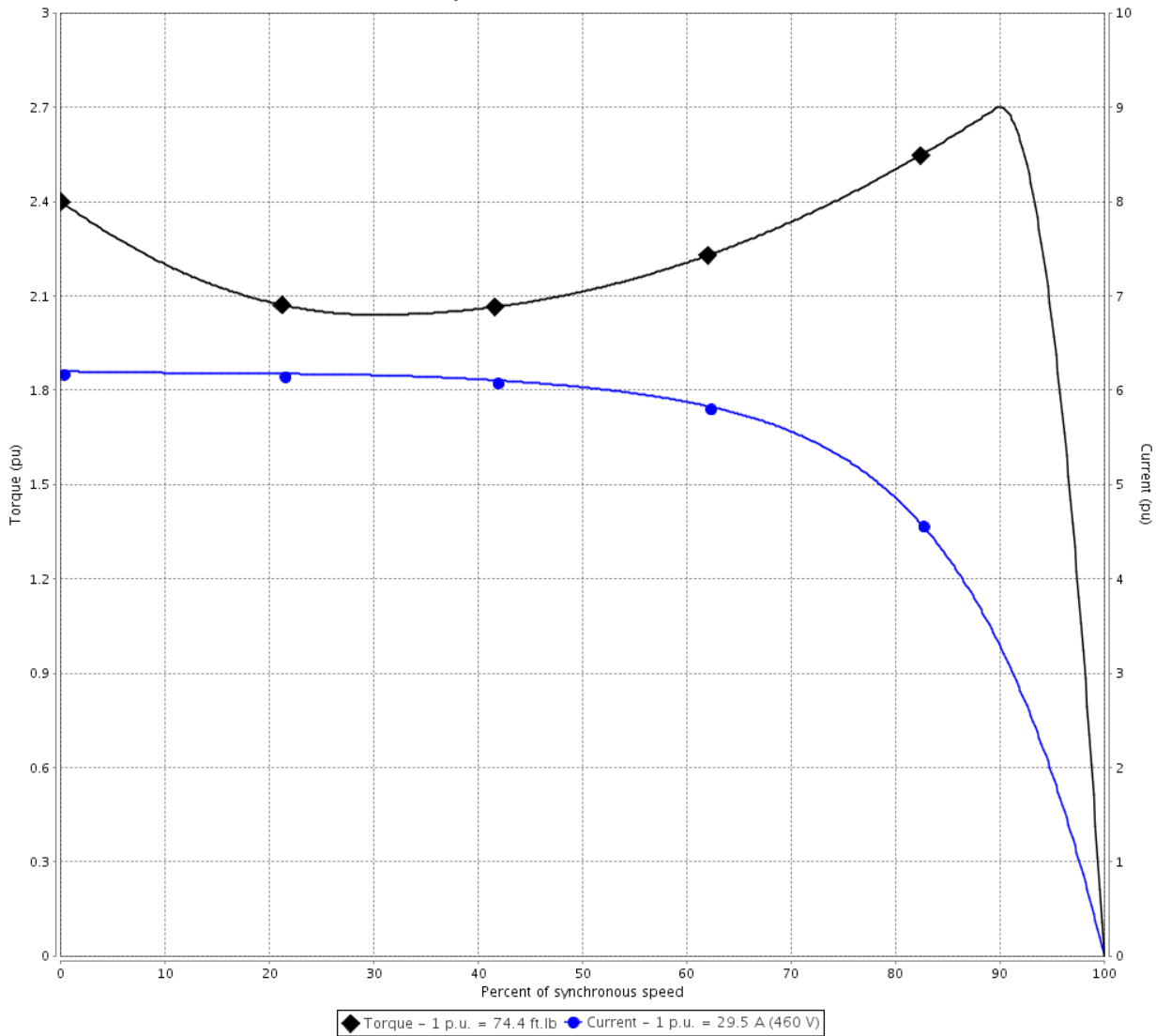
Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 12447067

Catalog # : 02518ET3E284TC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 230/460 V 60 Hz 4P

Rated current : 59.0/29.5 A
LRC : 6.2
Rated torque : 74.4 ft.lb
Locked rotor torque : 240 %
Breakdown torque : 270 %
Rated speed : 1765 rpm

Moment of inertia (J) : 5.11 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

Locked rotor time : 43s (cold) 24s (hot)

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 6	Revision
Checked by				
Date	17/03/2020			

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

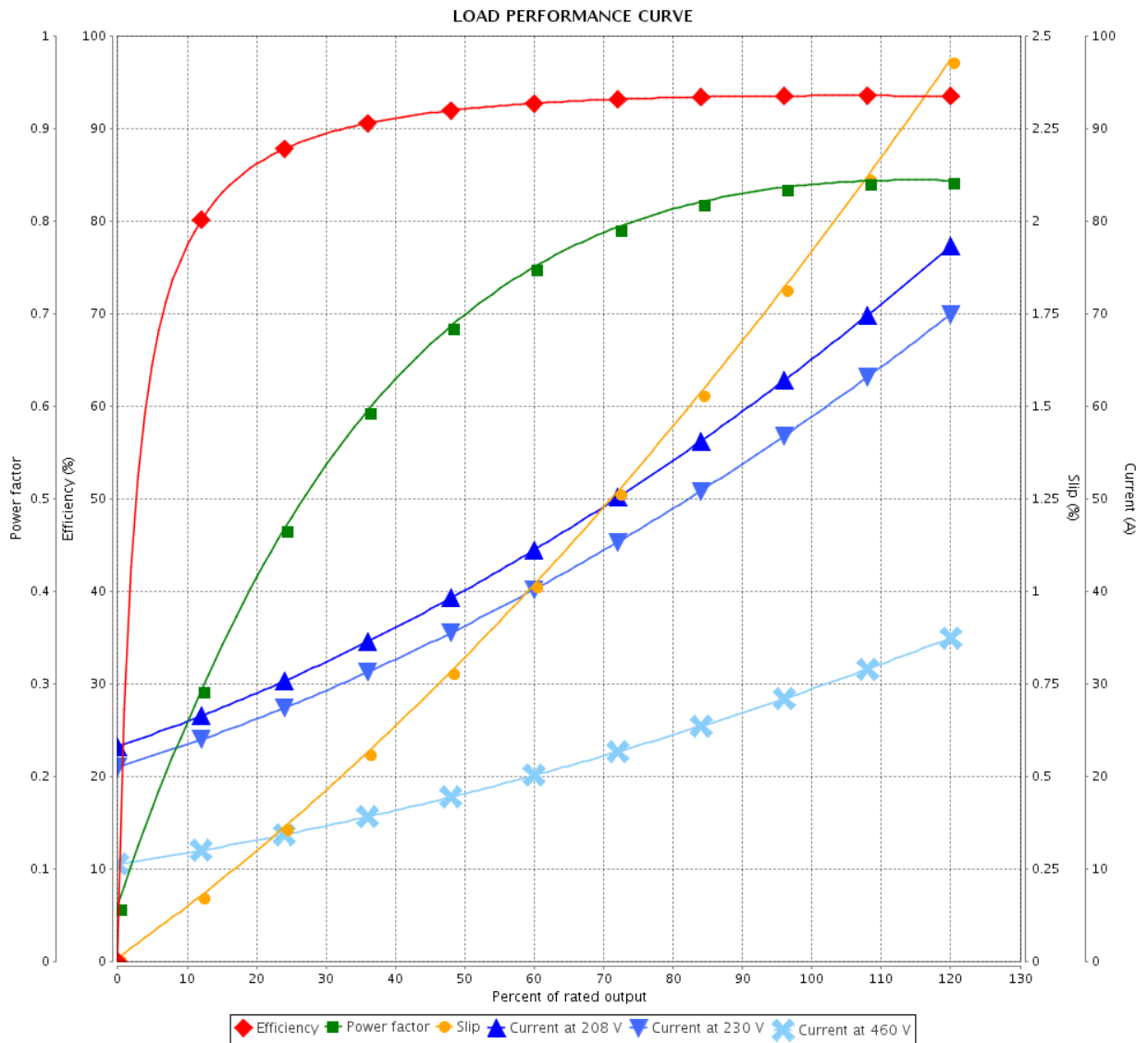


Customer :

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Product code : 12447067

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

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

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Three-Phase

Product code : 12447067

Catalog # : 02518ET3E284TC-W22

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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

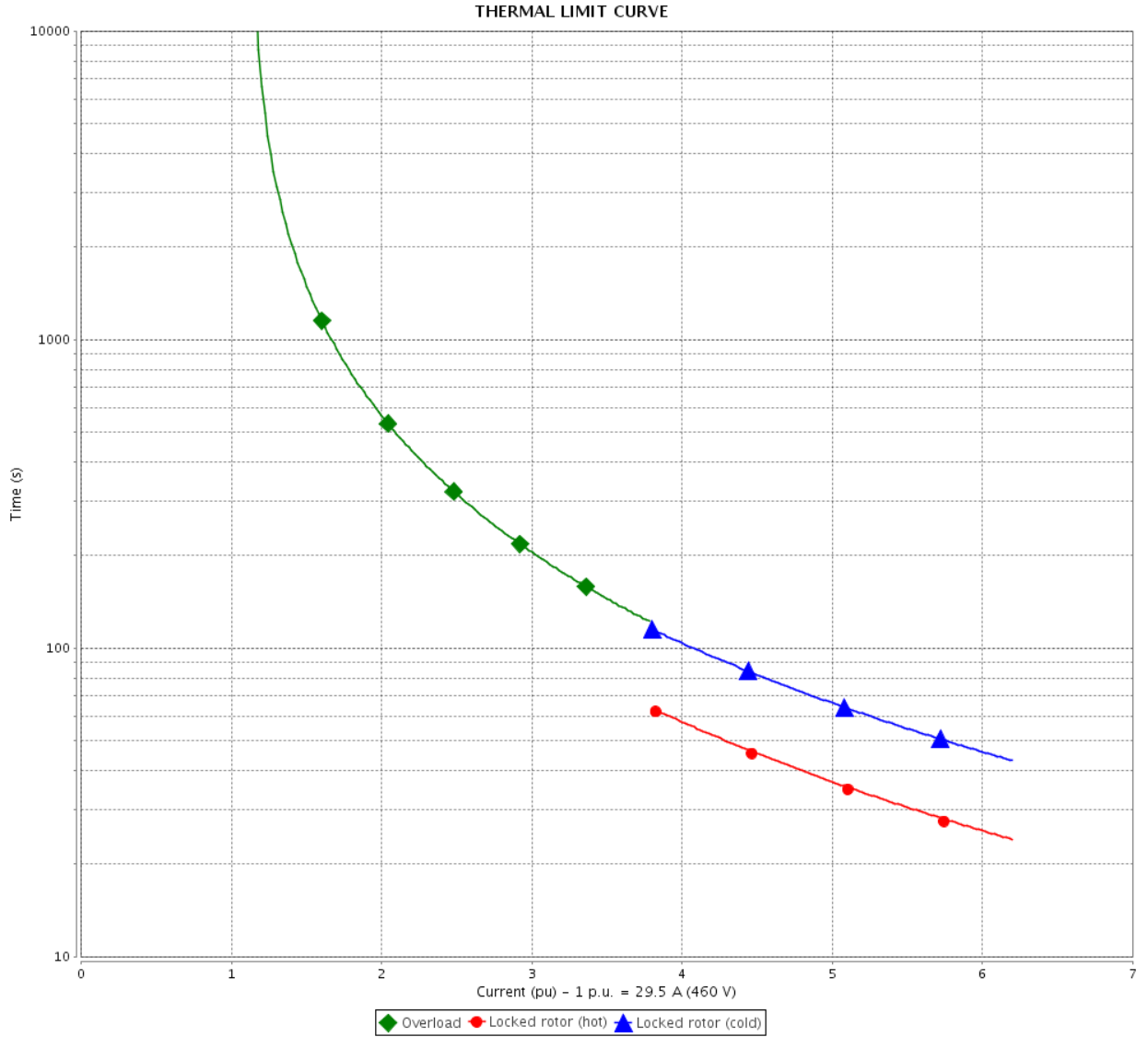
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	17/03/2020		4 / 6	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

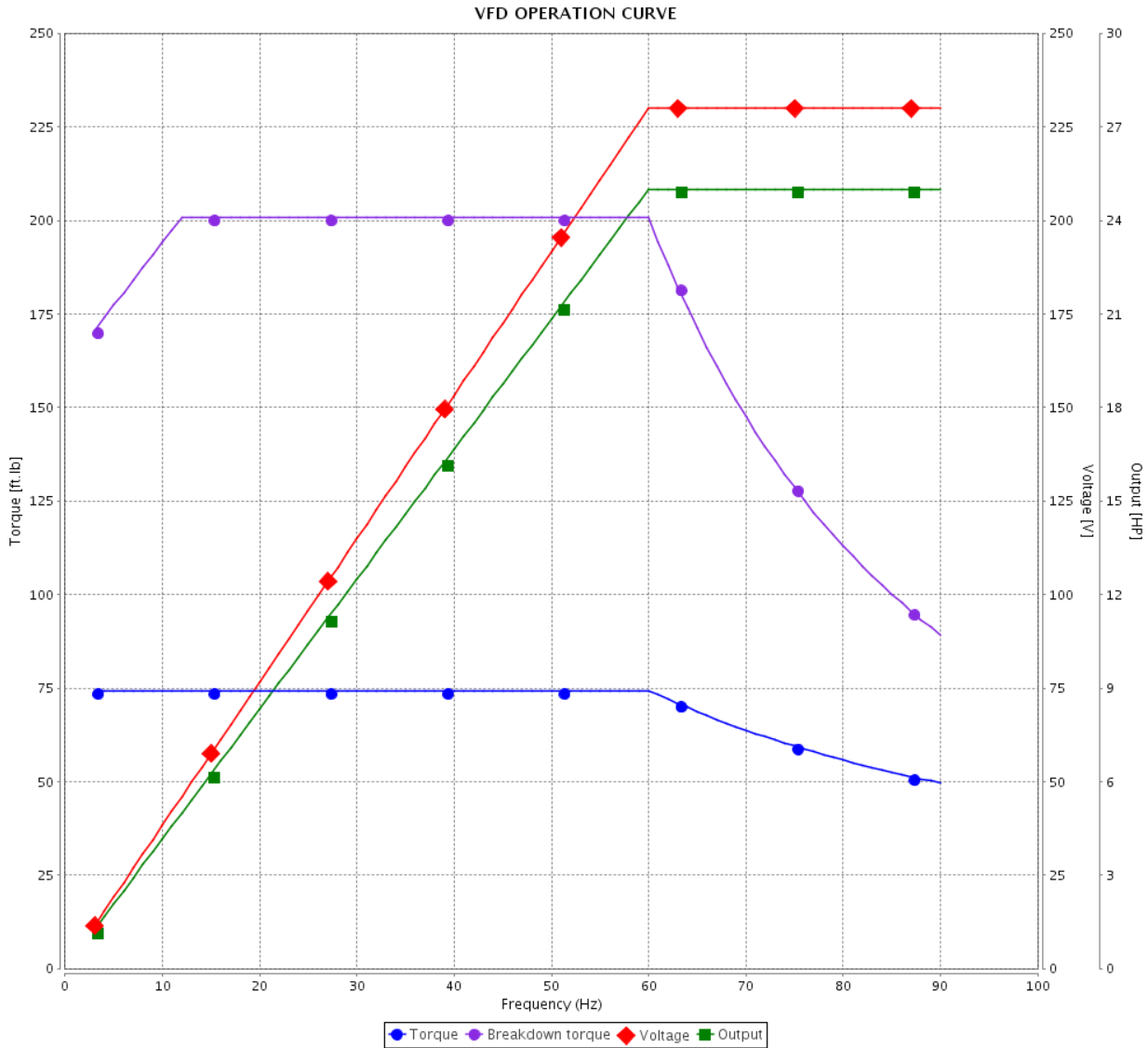


Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 12447067

Catalog # : 02518ET3E284TC-W22

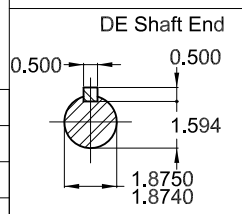
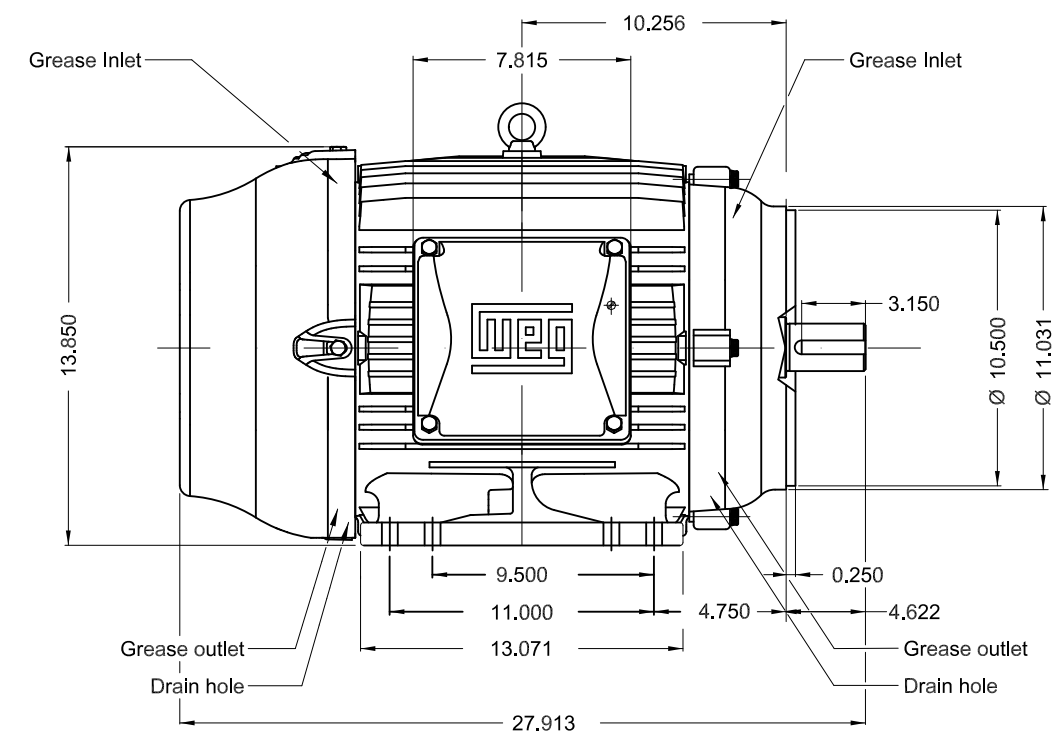
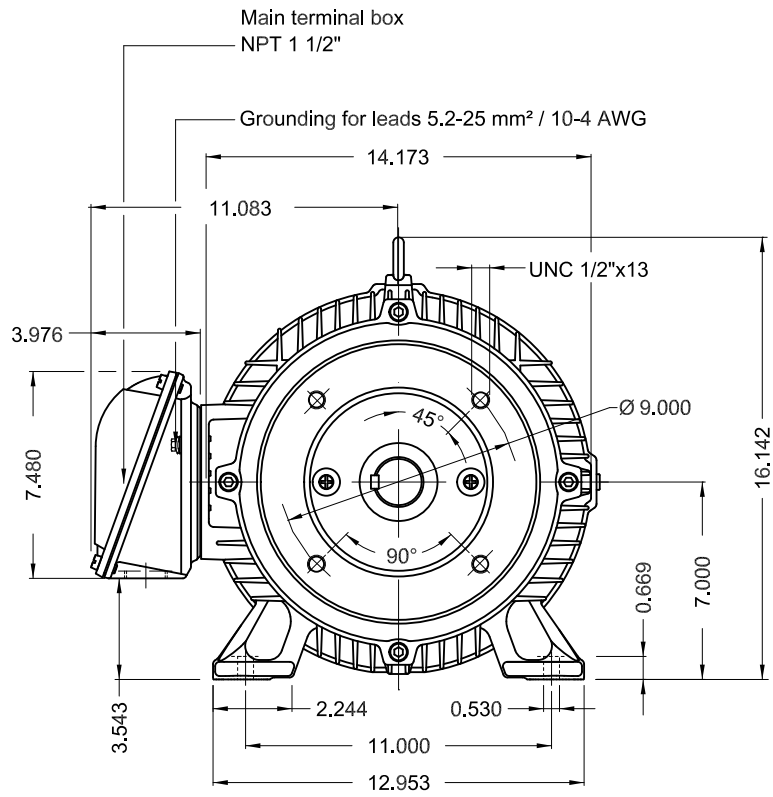


Performance : 230/460 V 60 Hz 4P

Rated current : 59.0/29.5 A
 LRC : 6.2
 Rated torque : 74.4 ft.lb
 Locked rotor torque : 240 %
 Breakdown torque : 270 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 5.11 sq.ft.lb
 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 6 / 6	Revision
Checked by				
Date	17/03/2020			



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

25 HP 04 Poles 60Hz A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER	THREE PHASE W22 MOTOR - NEMA PREMIUM EFF FRAME 284/6TC IP55 TEFC					
CHECKED							
RELEASED							
REL DT.	WMO		Jaragua do Sul	Product Engineering	SHEET	1 / 1	

PREVIEW

WDD

MODEL 02518ET3E284TC-W22
MADE IN MEXICO
12447067

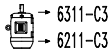
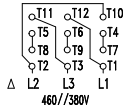
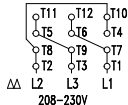


FOR SAFE AREA
MOD.TE1BFOXON



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

PH 3	FR 284/6TC	HP(kW) 25.0(18.5)	Hz 60
V 230/460	A 59.0/29.5	RPM 1765	DES B
NEMA NOM EFF 93.6 %	INS. CL. F Δ T 80 K	IP55	
ENCL TEFC	DUTY CONT.	AMB. 40°C	
CODE G	PF 0.84	SF 1.25	SFA 73.8/36.9
USABLE @208V	65.2 A	SF 1.15	SFA 75.0
25HP 18.5kW 50Hz 380V 35.6A 1445RPM SF1.00 EFF 91.7% (IE2)	ALT 1000 m.a.s.l.	421 Lbs	



MOBIL POLYREX EM
18 g 20000 h