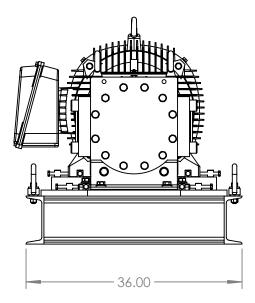


#### MODELS: GB-425052-R0O-D, GB-425052-R1O-D

5	STATE	Released	07/19/2023	DIMENSIONS ARE IN – INCHES	VIKING PUMP. INC.	THIS DRAWING IS THE PROPERTY OF VIKING PUMP, INC. AND IS PROPRIETARY	DWG. NO.
6	DRAWN	bmanternach	2/9/2023	PROJECT: E324	Cedar Falls, IA 50613	IN GENERAL AND DETAIL. IT SHALL NOT BE COPIED OR ITS CONTENTS REVEALED TO	3D CPV-250
	CHECKED	BAM	07/19/2023	WAS: EX-E324-502	U.S.A.	OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF VIKING PUMP, INC.	GPV-230





# DATA SHEET

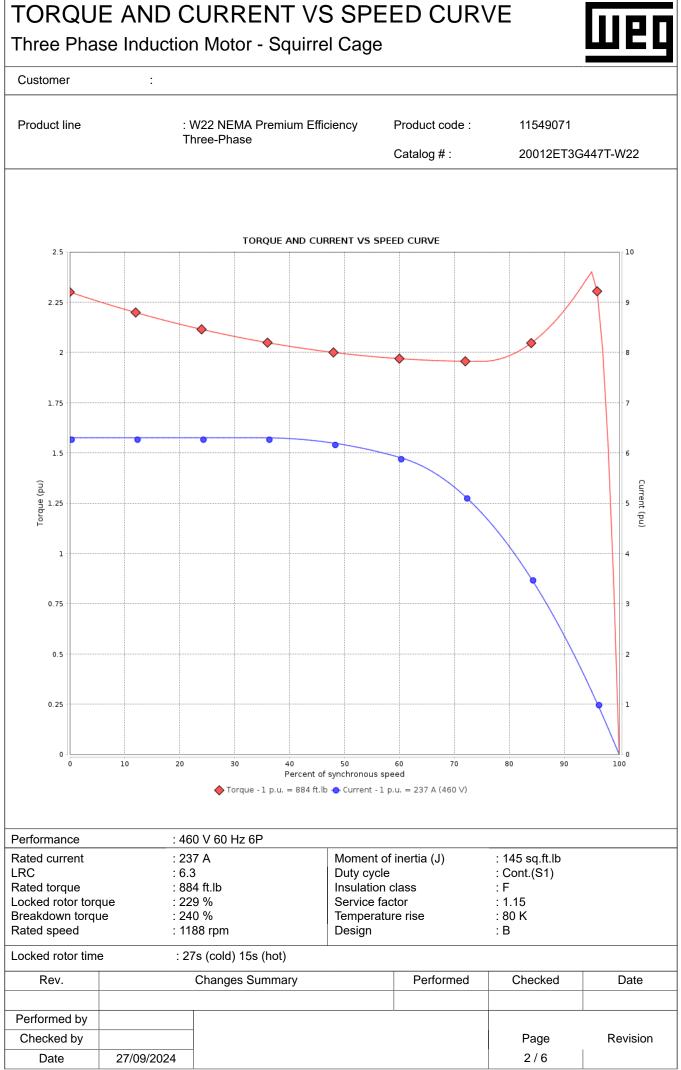
Three Phase Induction Motor - Squirrel Cage

:



#### Customer

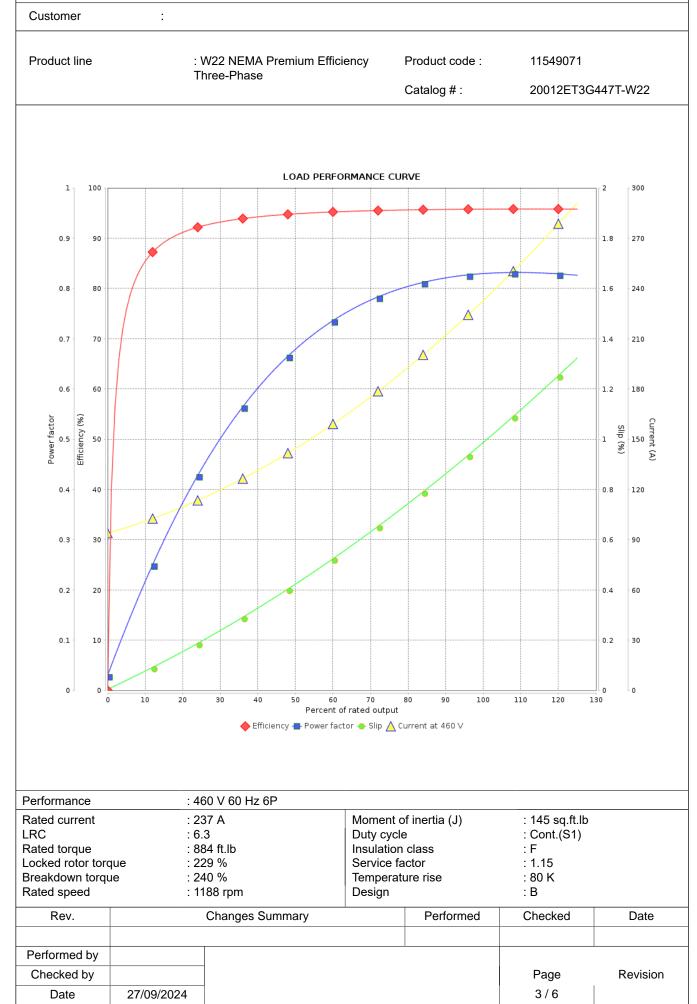
Product line		: W22 NEMA Premium Efficie Three-Phase			ency	Product code :	11549071	11549071		
		1116	Catalog # :				20012ET3G447T-W22			
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tor Breakdown torq Insulation class Service factor	que	: 445/7T : 200 HP (150 kW) : 6 : 60 Hz : 460 V : 237 A : 1492 A : 6.3x(Code G) : 94.0 A : 1188 rpm : 1.00 % : 884 ft.lb : 229 % : 240 % : F			Tempera Duty cy Ambien Altitude Protecti Cooling Mountin Rotatior Noise le Starting	rotor time ature rise cle t temperature on degree method	: 27s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a.s : IP55 : IC411 - TE : F-1 : Both (CW : 69.0 dB(A)	: 27s (cold) 15s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 69.0 dB(A) : Direct On Line		
Moment of inert Design	ia (J)	: 1.1 : 14: : B	5 sq.ft.lb							
Output	25%	50%	75%	100%	Foundat	ion loads				
Efficiency (%)	94.5	95.0	95.4	95.8	Max. trac		: 5325 lb			
Power Factor	0.43	0.68	0.79	0.83	Max. compression		: 7817 lb			
					-	ated output power				
P1 (0,9;1,0) 4.7	P2 (0,5		P3 (0,25;1,0 3.6		),9;0,5) 2.4	P5 (0,5;0,5)	P6 (0,5;0,25) 1.2	P7 (0,25;0,25 0.8		
Lubrication intel Lubricant amou Lubricant type lotes		:		00 h 5 g Mo	bil Polyrex	16000 h 34 g ¢ EM				
nust be eliminat (1) Looking the r (2) Measured at (3) Approximate nanufacturing p	ed. notor from 1m and wit weight sub rocess.	the shaft th toleran	end. ice of +3dB(A			are average values upply, subject to th				
nust be eliminat 1) Looking the r 2) Measured at 3) Approximate nanufacturing p	ed. notor from 1m and wit weight sub rocess.	the shaft th toleran ject to ch	end. ice of +3dB(A	).	power s					
nust be eliminat 1) Looking the r 2) Measured at 3) Approximate nanufacturing p 4) At 100% of fu Rev.	ed. notor from 1m and wit weight sub rocess.	the shaft th toleran ject to ch	end. ice of +3dB(A nanges after	).	power s	upply, subject to th	e tolerances stipu	lated in NEMA		
nust be eliminat 1) Looking the r 2) Measured at 3) Approximate nanufacturing p 4) At 100% of fu Rev. Performed by	ed. notor from 1m and wit weight sub rocess.	the shaft th toleran ject to ch	end. ice of +3dB(A nanges after	).	power s	upply, subject to th	e tolerances stipu Checked	ulated in NEMA		
This revision rep must be eliminat (1) Looking the r (2) Measured at (3) Approximate manufacturing p (4) At 100% of fu Rev. Performed by Checked by	ed. notor from 1m and wit weight sub rocess.	the shaft th toleran ject to ch	end. ice of +3dB(A nanges after	).	power s	upply, subject to th	e tolerances stipu	lated in NEM		



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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



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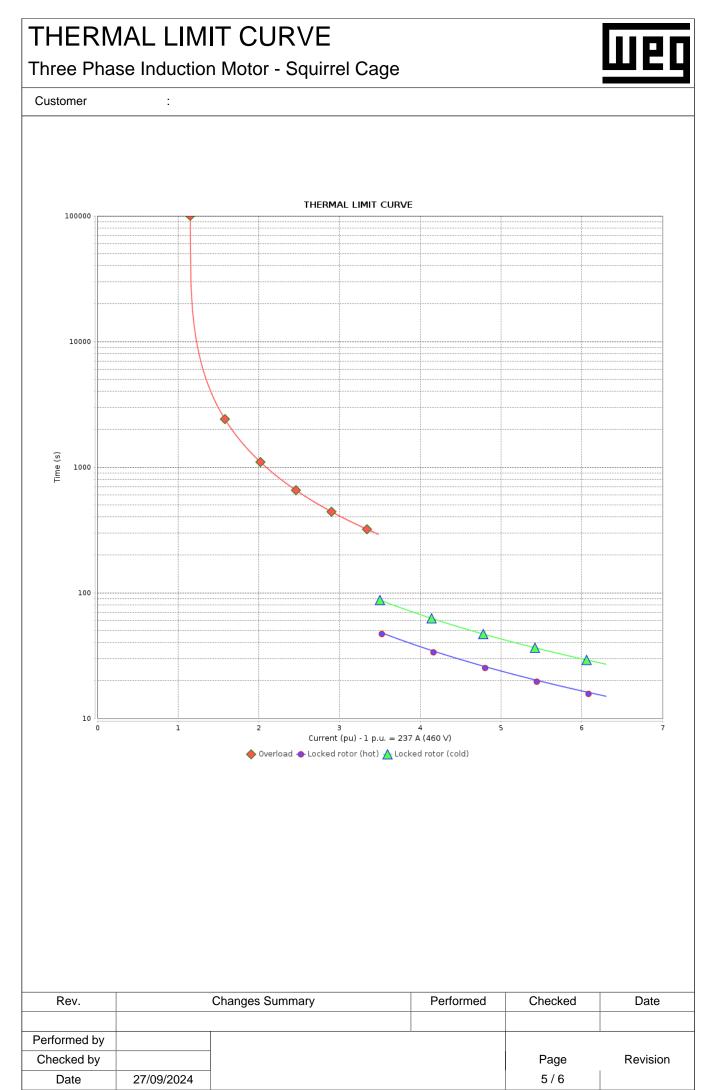
## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

Customer

Customer	:				
Product line	: W22 NEM/ Three-Phas	A Premium Efficiency e	Product code : Catalog # :	11549071 20012ET3G447T-W22	
Performance	: 460 V 60 Hz				
Rated current LRC	: 237 A : 6.3	Mome Duty c	nt of inertia (J)	: 145 sq.ft.lb : Cont.(S1)	
Rated torque	: 884 ft.lb		tion class	: F	
Locked rotor torg	ue : 229 %	Servic	e factor	: 1.15	
Breakdown torqu Rated speed	e : 240 % : 1188 rpm	Tempe Desigr	erature rise 1	: 80 K : B	
Heating constant					
Cooling constant					
Rev.	Changes	Summary	Performed	Checked	Date
Deuferment					
Performed by Checked by				Page	Revision
Date	27/09/2024			4 / 6	NEVISION
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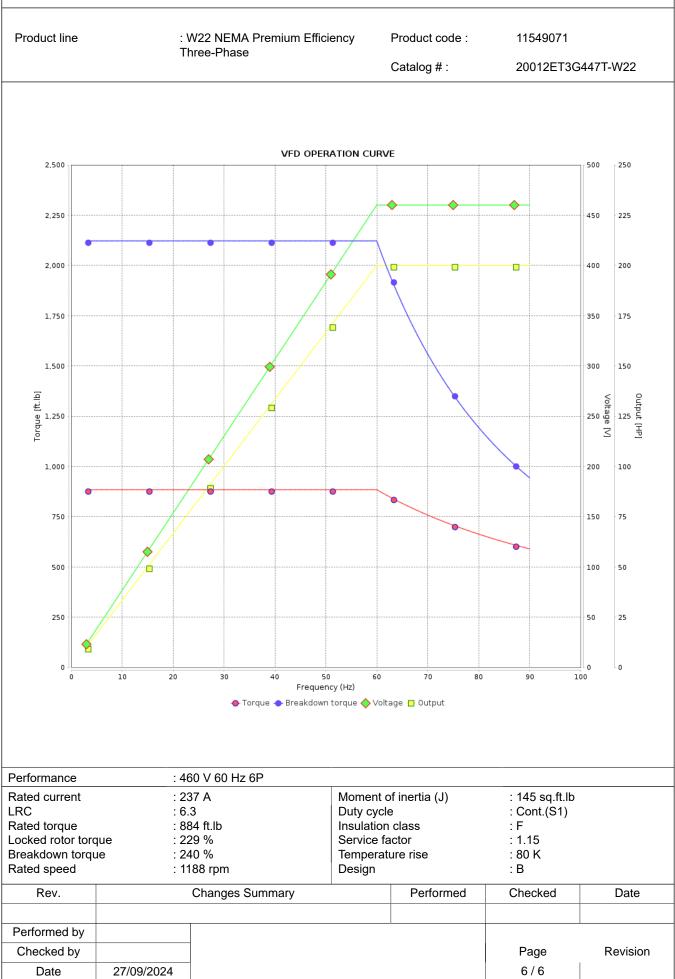
#### VFD OPERATION CURVE

:

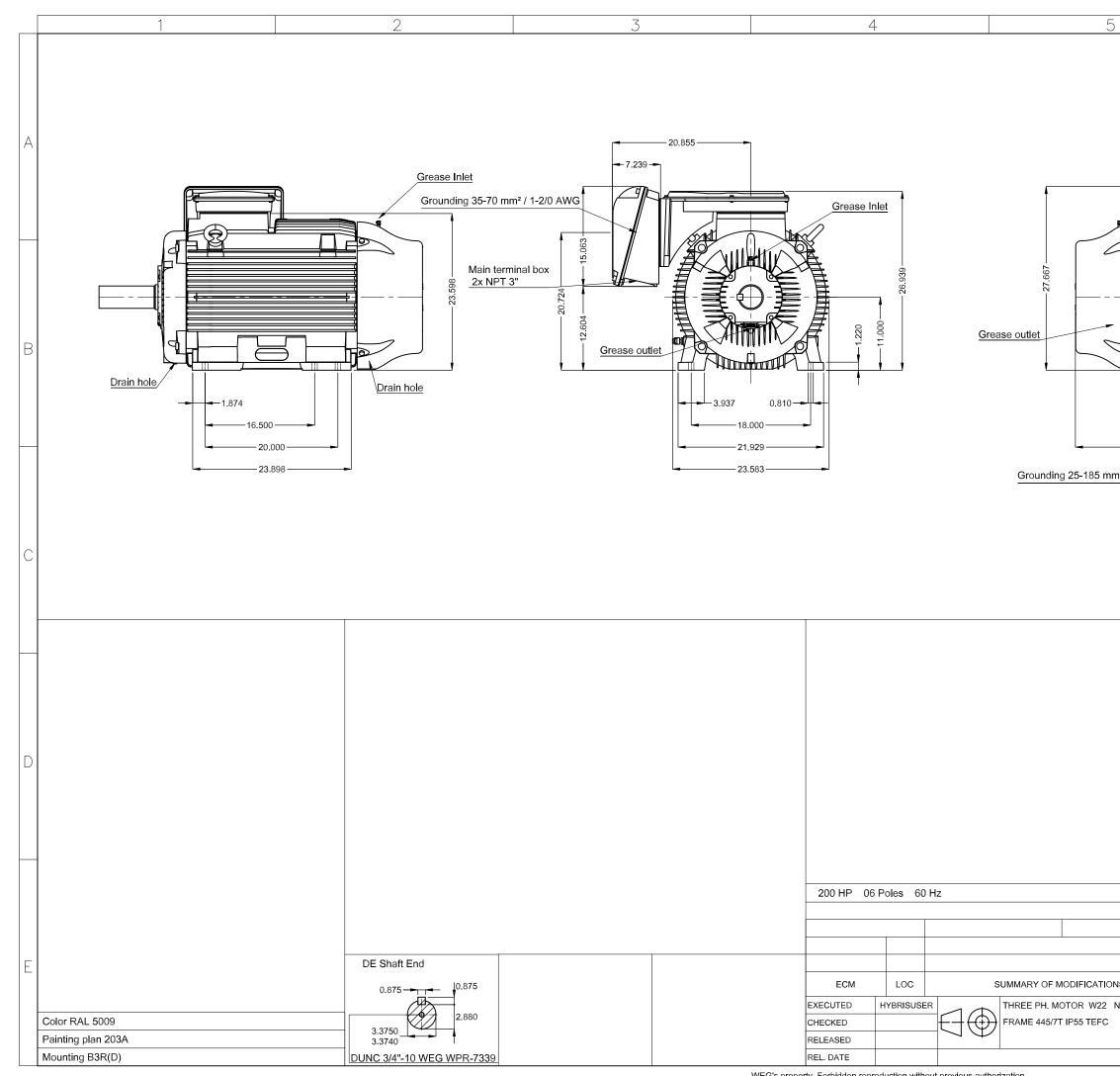
Three Phase Induction Motor - Squirrel Cage



Customer



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)			6			
m² / 3AWG-350M	7.33 (-48.7)	4		.087 -		
						Dimensions in inches
					A	
			Scale	1:14		
	HYBRISUSE				00	
	EXECUTED		RELEASED	DATE	VER	
NEMA PREM. EFF		PREV WDD	00	ШВ	9	A3
		SHEET	1 / 1			

	MODEL 20012ET3	Premium W 222 G4471–W22				SPT9 SPT9	SAFE AREA IE1BFOXON 9A C En	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 - T3C For use on PWH: Gr A, B, C, D and F, VT 1000:1, CT 20:1, 1:00SF - T3
MADE IN MEXICO 11549071	Inverter Duty Moto   PH3 60Hz 0   V 460 0   HP 200 SF 1.15   RPM 1185 AMB 40°C 0   DUTY CONT. 0 0 0	r Fr. 445/7T	1000m.a.s.l. INS cl DES E	IP55 TEF( A 237 kW 150 SFA 273 PF 0.83 I. F DT80K 3 Code (	NEMA NOM EFF	95.8%		$\begin{array}{c c c c c c c c c c c c c c c c c c c $