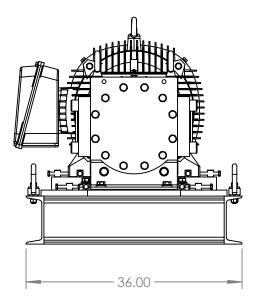


#### MODELS: GB-425052-R0O-D, GB-425052-R1O-D

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	A Unit of IDEX Corporation IN GENERAL AND DETAIL. IT SHALL NOT BE Codar Fails, IA 50613 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-250





# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

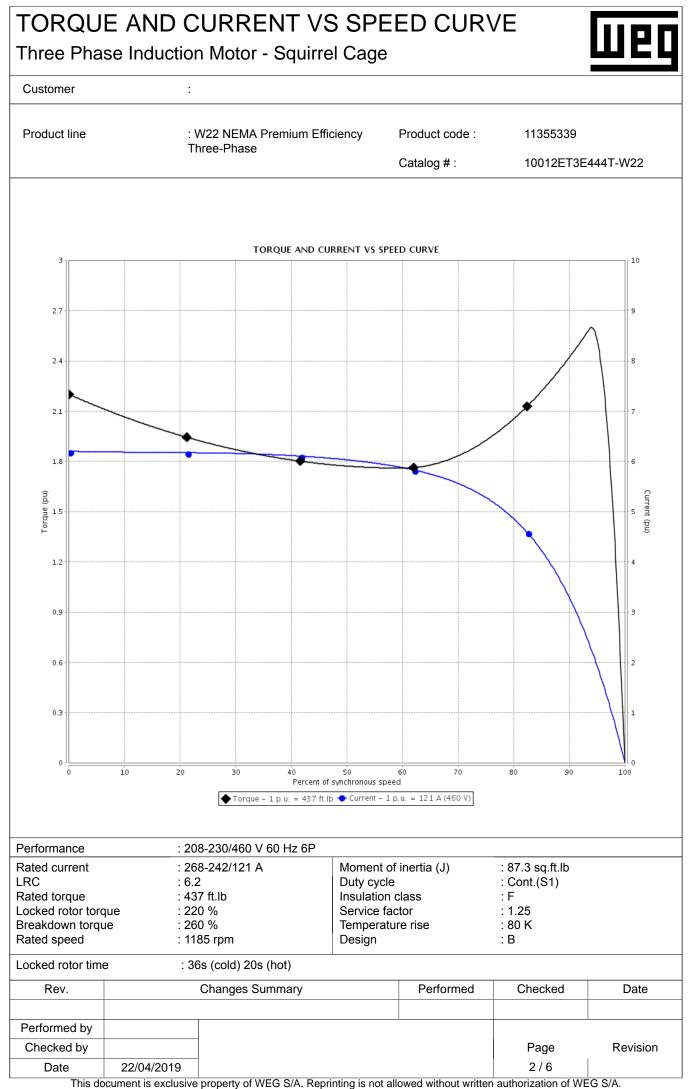
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Product line		: W22 NEI Three-Pha	MA Premium Efficie ase	ency Product Catalog		11355339 10012ET3E	444T-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torqu Insulation class Service factor Moment of inerti Design	ue	: 444/5T : 100 HP ( : 6 : 60 Hz : 208-230/ : 268-242/ : 1659-150 : 6.2x(Coo : 86.2-100 : 1185 rpm : 1.25 % : 437 ft.lb : 220 % : 260 % : F : 1.25 : 87.3 sq.f : B	460 V 121 A 00/750 A le G) /50.0 A	Locked rotor tim Temperature ris Duty cycle Ambient temper Altitude Protection degre Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting method Approx. weight <sup>3</sup>	ne rature ee I	: 36s (cold : 80 K : Cont.(S1) : -20°C to - : 1000 m.a : IP55 : IC411 - T : F-1	) 20s (hot) ) +40°C .s.l. EFC / and CCW) A)
 Output	50%	75%	100%	Foundation loads			
Efficiency (%)	94.5	95.0	95.0	Max. traction		: 2711 lb	
Power Factor	0.68	0.78	0.82	Max. compression	n	: 4395 lb	
			WSeal 13000 h 45 g		WSeal 16000 h 34 a		
Lubricant amour Lubricant type			13000 h 45 g				
Lubrication inter Lubricant amour Lubricant type Notes This revision repl nust be eliminate 1) Looking the m 2) Measured at 3) Approximate nanufacturing pr 4) At 100% of fu	laces and ca ed. notor from th 1m and with weight subje rocess.	e shaft end. tolerance of -	13000 h 45 g Mo		16000 h 34 g		
Lubricant amour Lubricant type Notes This revision repl nust be eliminate 1) Looking the m 2) Measured at 3) Approximate nanufacturing pr	laces and ca ed. notor from th 1m and with weight subje rocess.	e shaft end. tolerance of ⊣ ect to changes	13000 h 45 g Mo ous one, which -3dB(A). after	bil Polyrex EM These are averag power supply, su MG-1.	16000 h 34 g		
Lubricant amour Lubricant type Notes This revision repl nust be eliminate 1) Looking the m 2) Measured at 3) Approximate manufacturing pr 4) At 100% of fu	laces and ca ed. notor from th 1m and with weight subje rocess.	e shaft end. tolerance of ⊣ ect to changes	13000 h 45 g Mo	bil Polyrex EM These are averag power supply, su MG-1.	16000 h 34 g ge values bject to th	e tolerances stip	ulated in NEMA
Lubricant amour Lubricant type Notes This revision repl nust be eliminate 1) Looking the m 2) Measured at 3) Approximate of nanufacturing pr 4) At 100% of fu	laces and ca ed. notor from th 1m and with weight subje rocess.	e shaft end. tolerance of ⊣ ect to changes	13000 h 45 g Mo ous one, which -3dB(A). after	bil Polyrex EM These are averag power supply, su MG-1.	16000 h 34 g ge values bject to th	e tolerances stip	ulated in NEMA
Lubricant amour Lubricant type Notes This revision repl nust be eliminate 1) Looking the m 2) Measured at 3) Approximate manufacturing pr 4) At 100% of fu Rev.	laces and ca ed. notor from th 1m and with weight subje rocess.	e shaft end. tolerance of ⊣ ect to changes	13000 h 45 g Mo ous one, which -3dB(A). after	bil Polyrex EM These are averag power supply, su MG-1.	16000 h 34 g ge values bject to th	e tolerances stip	ulated in NEMA

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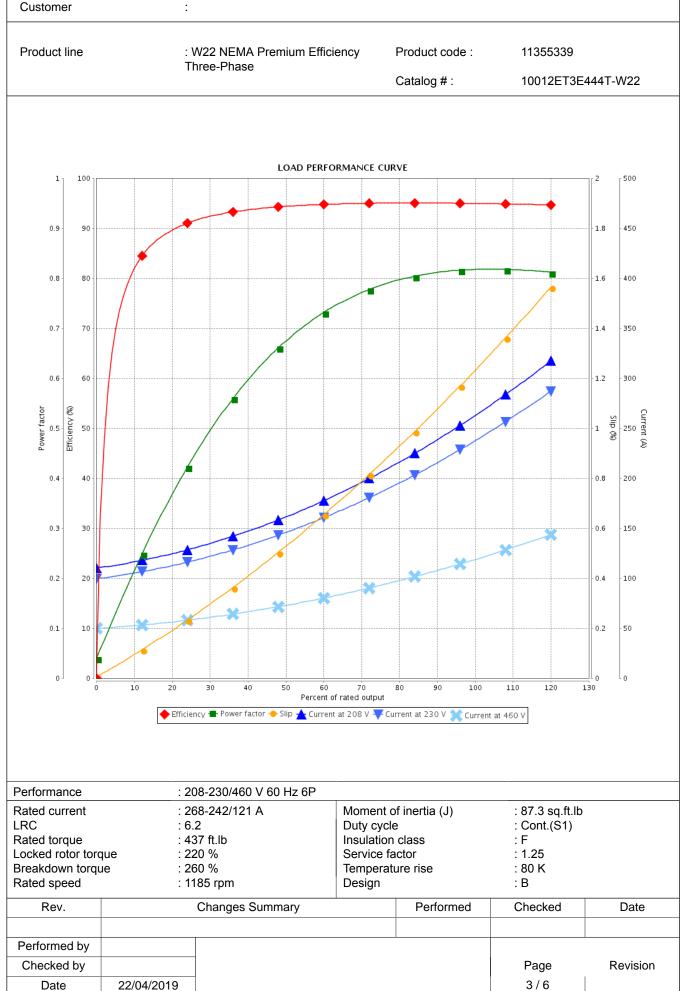
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



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### THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

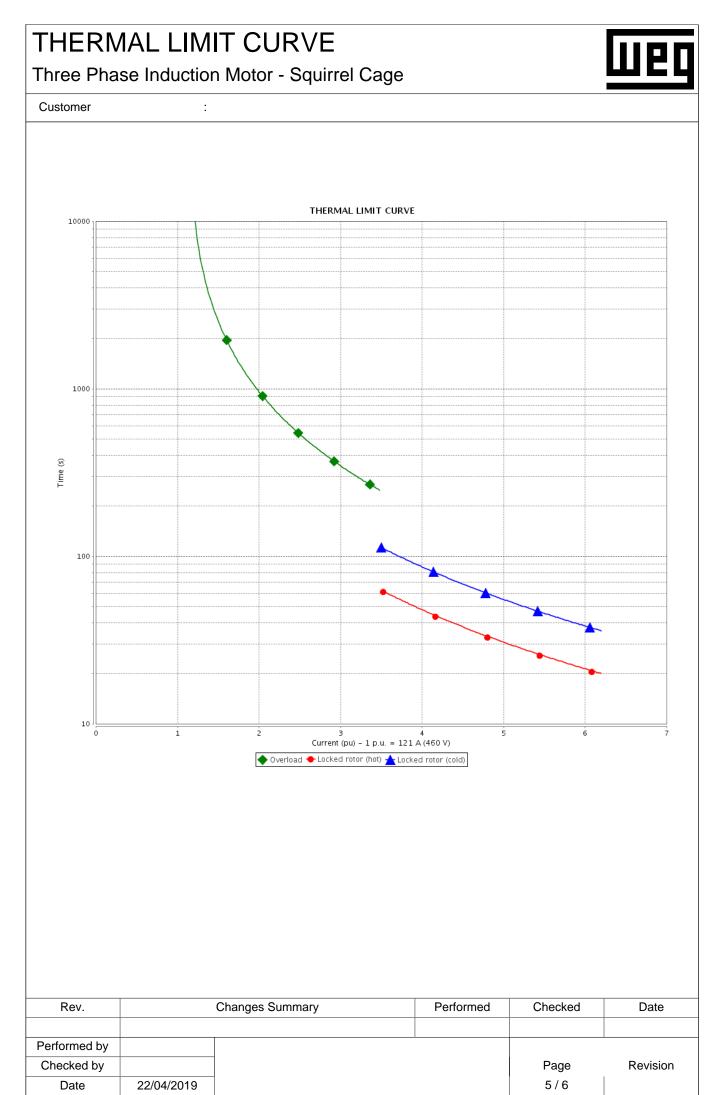
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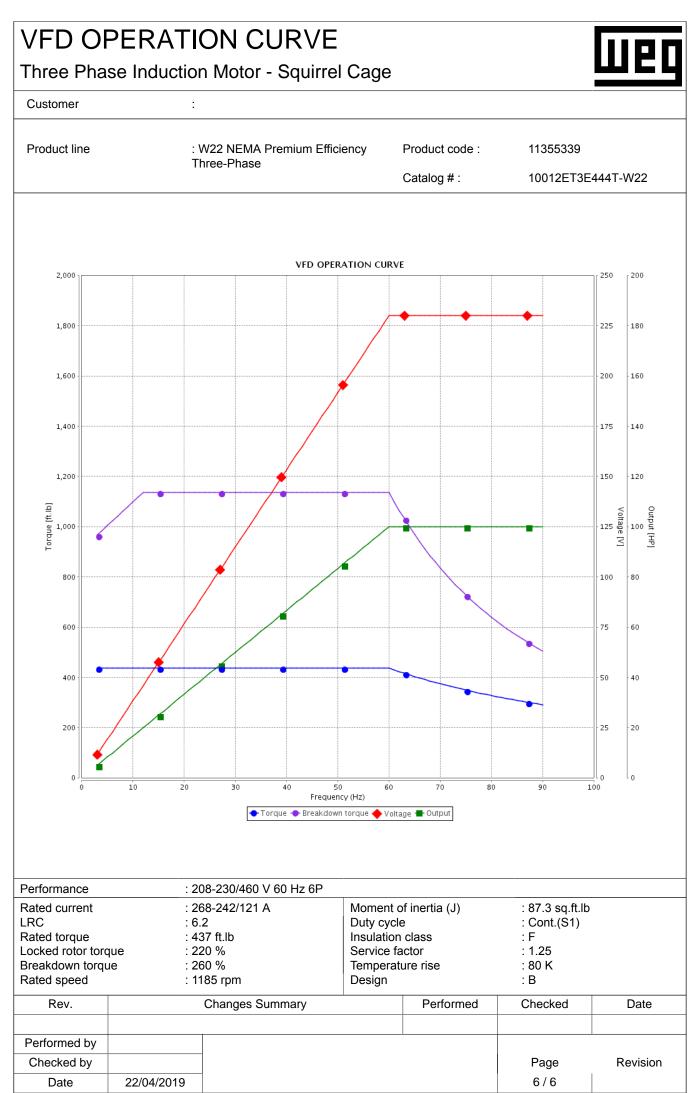
Customer

Product line	: ` T	W22 NEMA Premium Efficie hree-Phase	ency	Product code :	11355339	
	·			Catalog # :	10012ET3E4	44T-W22
					10012E13E4	44 I - VV 22
Dorformanaa		08 220/460 V 60 H= 6D				
Performance		08-230/460 V 60 Hz 6P 68-242/121 A	Momente	f inertia ( I)	: 87.3 sq.ft.lb	
Rated current _RC Rated torque _ocked rotor torque Breakdown torque Rated speed		68-242/121 A .2 37 ft.lb 20 % 60 % 185 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant			-			
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
		changes cummary		. chonnou		24.0
Performed by						
Checked by		-			Page	Revision
Date	22/04/2019	-			4/6	
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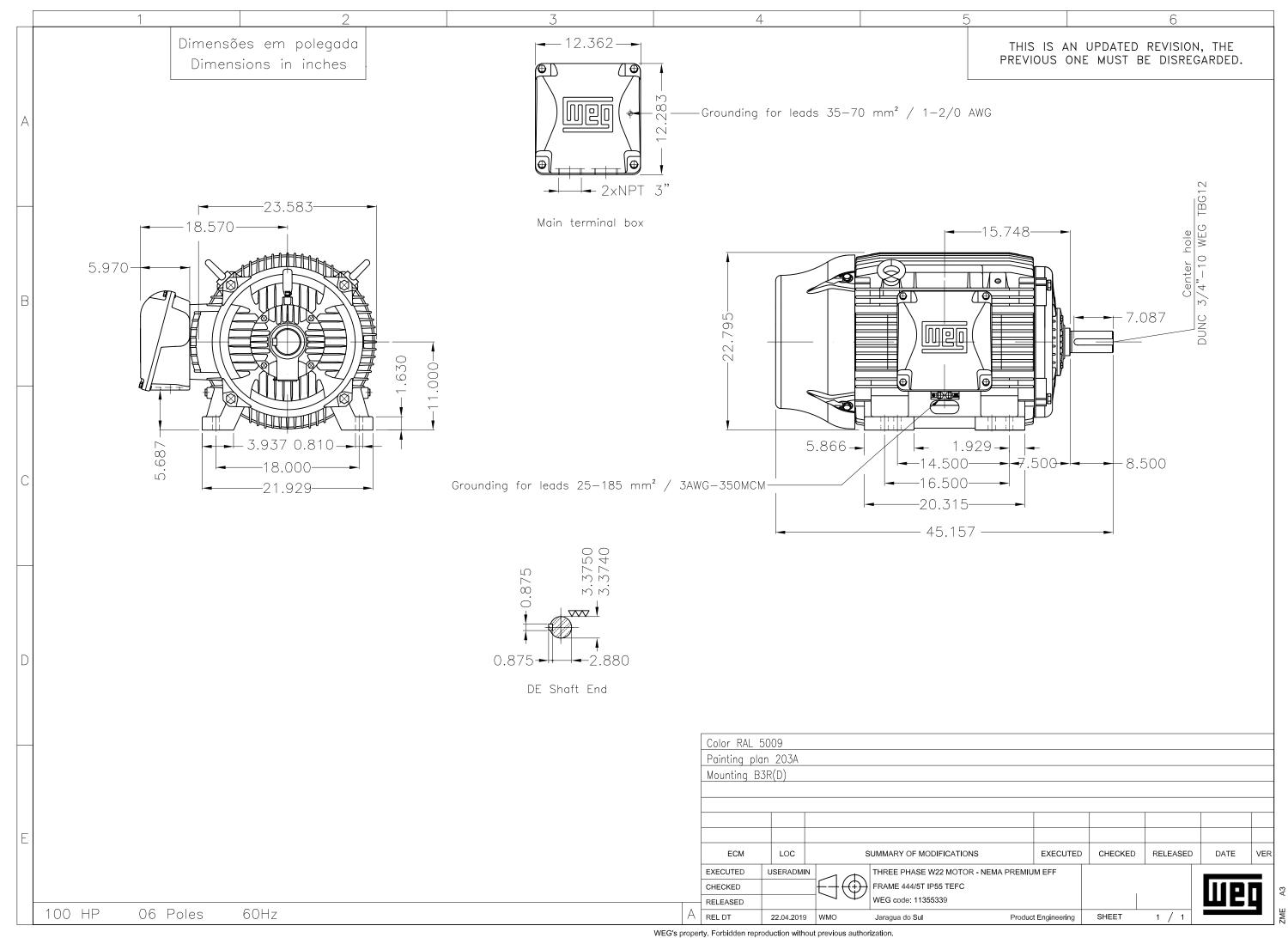
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22	CCO29A	CUUUS USTED FOR SAFE AREA MOD.TE1BF0X0N	For 60Hz: Class I, Div 2, Gr. A, B, C and D - T3 Class I, Zone 2, IIC - T3 Class II, Div 2, Gr. F and G - T3C US Emary Weith See on PWM, Gr. A, B, C, D and F, VT 1000:1, CT 20:1, 1.0SF, T3A
MODEL 10012ET3E444T-W22 MADE IN MEXICO 11355339	PH 3 FR 444/5T HP(kW) 1   V 230/460 A 242/121   NEMA NOM EFF 95.0 % I   ENCL TEFC DUTY CONT. CODE G PF 0.82 SF 1.25 S   USABLE @208V 268 A SF 1   100HP 75kW 50Hz 380V 145A 980	I 00.0(75.0) Hz 60 RPM 1185 DES B NS. CL. F △T 80 K IP55 AMB. 40°C IFA 303/151 .10 SFA 295 DRPM SF1.00 EFF 93.6% (IE1)	$\begin{array}{c c c c c c c c c c c c c c c c c c c $