

DATA SHEET

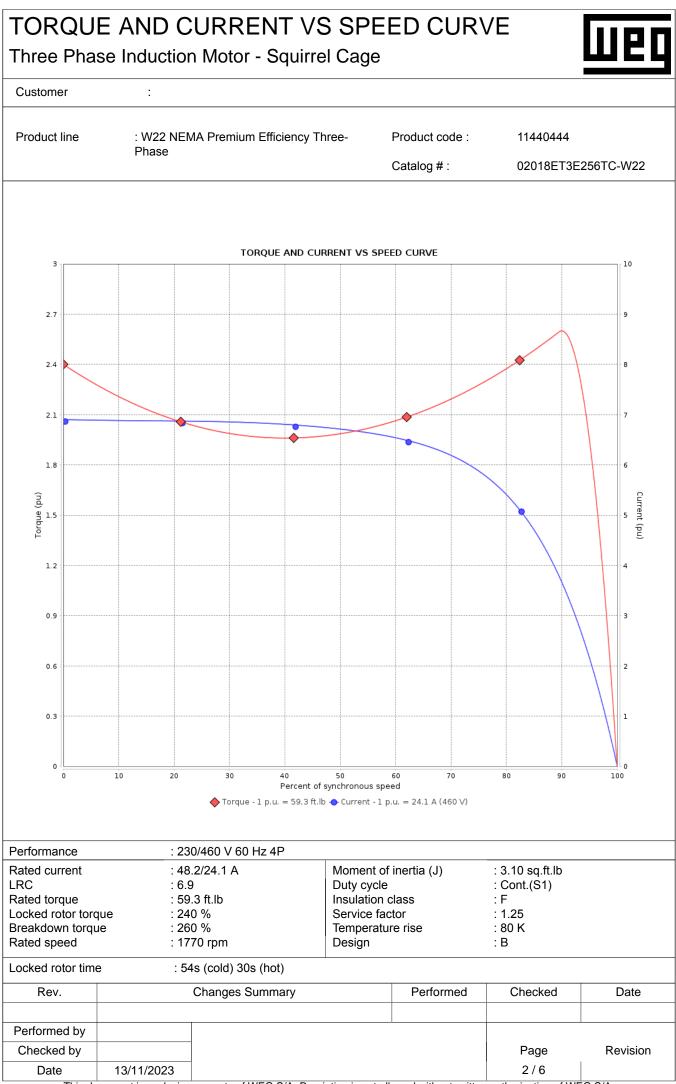
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Three Phase Induction Motor - Squirrel Cage

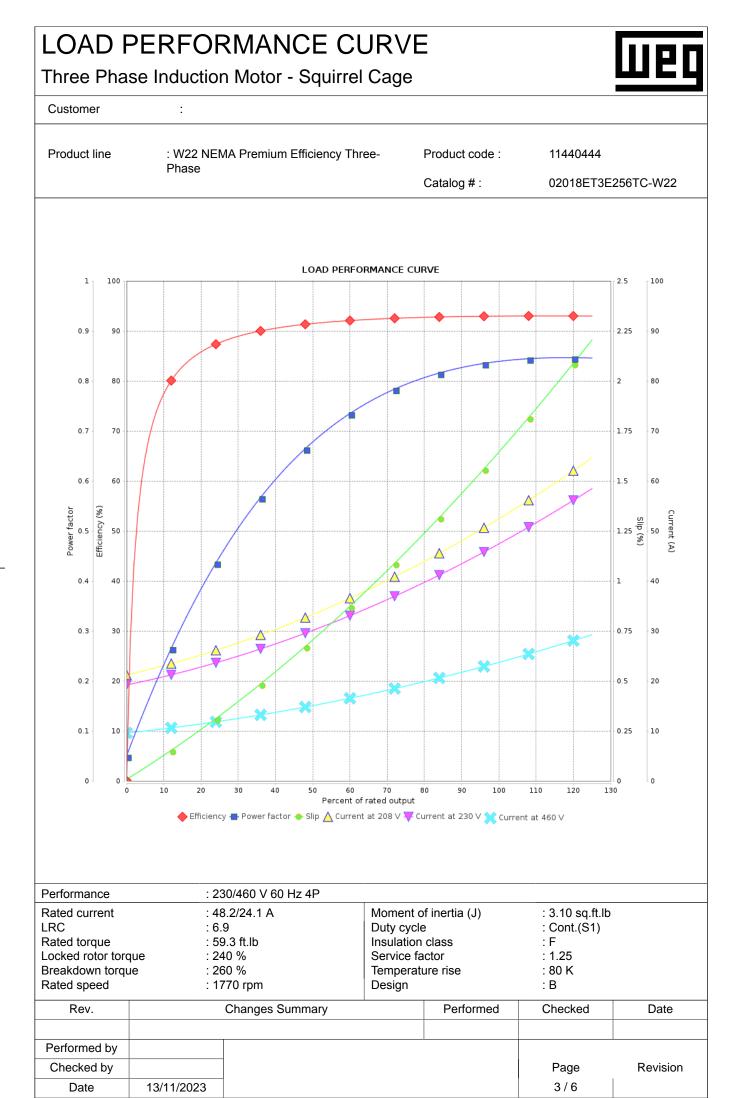


Customer

Product line		: W22 NEMA Premium Efficiency Three Phase			e- Product code : Catalog # :		11440444	11440444	
	FildSe						02018ET38	02018ET3E256TC-W22	
Insulation class Service factor		: 254/6TC : 20 HP (15 kW) : 4 : 60 Hz : 230/460 V : 48.2/24.1 A : 333/166 A : 6.9x(Code H) : 19.2/9.60 A : 1770 rpm : 1.67 % : 59.3 ft.lb : 240 % : 260 % : F : 1.25 : 3.10 sq.ft.lb : B		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³		: 80 K : Cont.(S1 : -20°C to : 1000 m.a : IP55 : IC411 - T : F-1 : Both (CV : 64.0 dB(/	: Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 64.0 dB(A) : Direct On Line		
Output	50%	75%	100%		Foundat	tion loads	·		
Efficiency (%)	91.7	92.4 93.0			Max. traction		: 723 lb		
Power Factor 0.68		0.79 0.84		Max. compression		: 1065 lb			
osses at normat	ive operating p	oints (spee	d:torque), i	in perce	ntage of r	ated output power			
P1 (0,9;1,0)	P2 (0,5;1,0)		,25;1,0)	-	,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25	
7.5	6.4				<u>3.6</u>	2.5	1.6	1.1	
	:		5.8 <u>Drive end</u> 6309 C3 V'Ring		5.0	<u>Non drive end</u> 6209 C3 V'Ring			
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type	t :		<u>Drive end</u> 6309 C3 V'Ring 20000 h 13 g	5	bil Polyre:	<u>Non drive end</u> 6209 C3 V'Ring 20000 h 9 g			
Sealing Lubrication interv Lubricant amoun Lubricant type Notes USABLE @208V	t : 53.3A SF 1.15	SFA 61.3A	Drive end 6309 C3 V'Ring 20000 h 13 g	Mo	bil Polyre:	<u>Non drive end</u> 6209 C3 V'Ring 20000 h 9 g	t t t t t t t t t t t t t t t t t t t	/ith sinusoidal	
Sealing Lubrication interv Lubricant amoun Lubricant type Notes USABLE @208V	t : 53.3A SF 1.15 53.3A SF 1.15 53.3A SF 1.15 caces and cance aces	SFA 61.3A el the previe haft end. erance of + o changes	Drive end 6309 C3 V'Ring 20000 h 13 g	hich	bil Polyre:	Non drive end 6209 C3 V'Ring 20000 h 9 g x EM	t t t t t t t t t t t t t t t t t t t	/ith sinusoidal	
Sealing Lubrication interv Lubricant amoun Lubricant type Notes JSABLE @208V This revision replanust be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro- (4) At 100% of ful Rev.	t : 53.3A SF 1.15 53.3A SF 1.15 53.3A SF 1.15 caces and cance aces	SFA 61.3A el the previe haft end. erance of + o changes	Drive end 6309 C3 V'Ring 20000 h 13 g	hich	bil Polyre:	Non drive end 6209 C3 V'Ring 20000 h 9 g x EM	based on tests whe tolerances stip	/ith sinusoidal ulated in NEMA	
Sealing Lubrication interv Lubricant amoun Lubricant type Notes JSABLE @208V This revision repla nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v manufacturing pro 4) At 100% of ful	t : 53.3A SF 1.15 53.3A SF 1.15 53.3A SF 1.15 caces and cance aces	SFA 61.3A el the previe haft end. erance of + o changes	Drive end 6309 C3 V'Ring 20000 h 13 g	hich	bil Polyre:	Non drive end 6209 C3 V'Ring 20000 h 9 g x EM	based on tests whe tolerances stip	/ith sinusoidal ulated in NEMA	



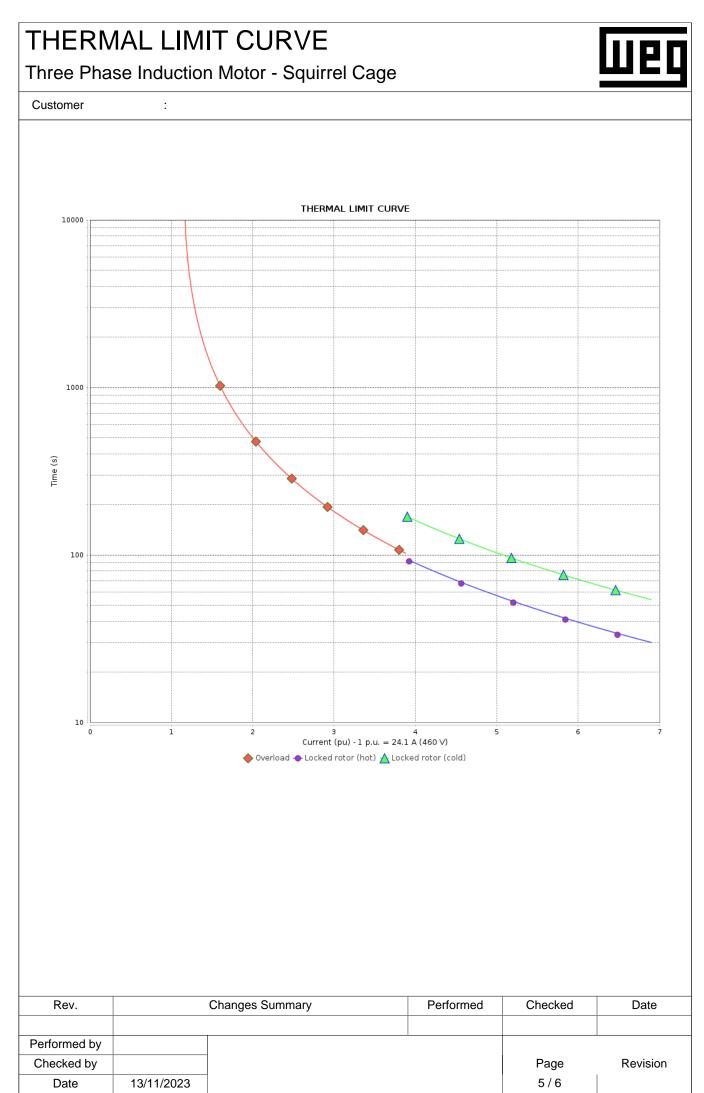
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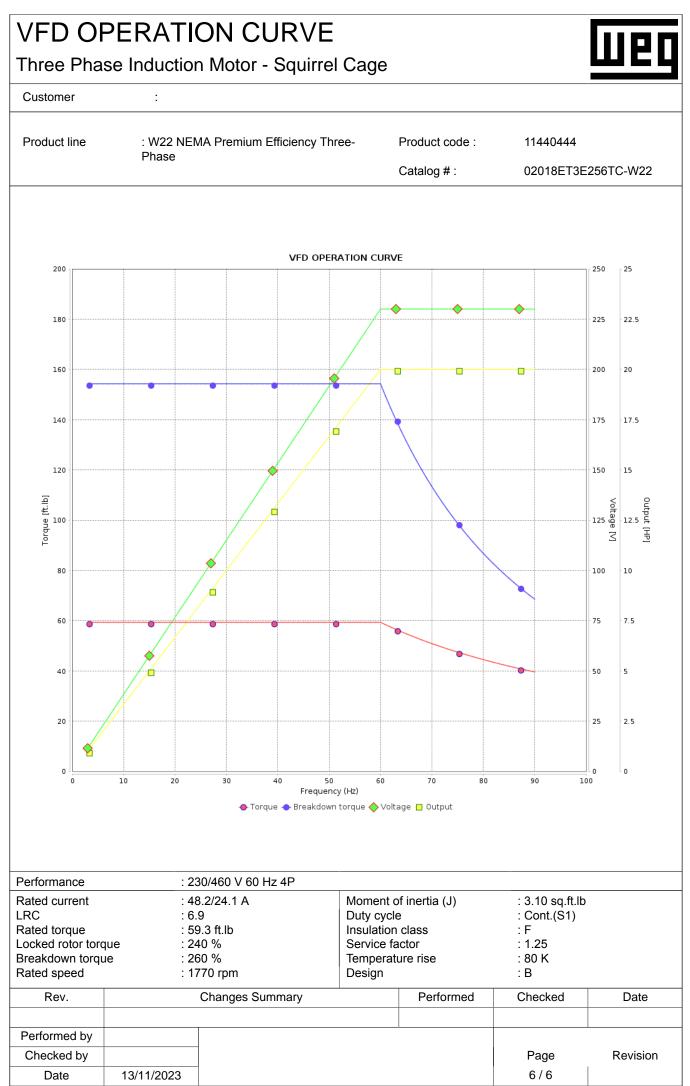
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THERMAL LIMIT CURVE						
Three Pha	se Induction	n Motor - Squirrel	Cage			
Customer	:					
Product line	: W22 NEI Phase	IEMA Premium Efficiency Three-		Product code :	11440444	
				Catalog # :	02018ET3E2	56TC-W22
Performance	: 2	30/460 V 60 Hz 4P				
Rated current: 48.2/24.1 ALRC: 6.9Rated torque: 59.3 ft.lbLocked rotor torque: 240 %		.9 9.3 ft.lb	Moment of inertia (J) Duty cycle Insulation class Service factor		: 3.10 sq.ft.lb : Cont.(S1) : F : 1.25	
Breakdown torque : 260 % Rated speed : 1770 rpm			Temperature rise Design		: 80 K : B	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
				. chomiou		24.0
Performed by		_		I		
Checked by Date	13/11/2023	-			Page 4 / 6	Revision

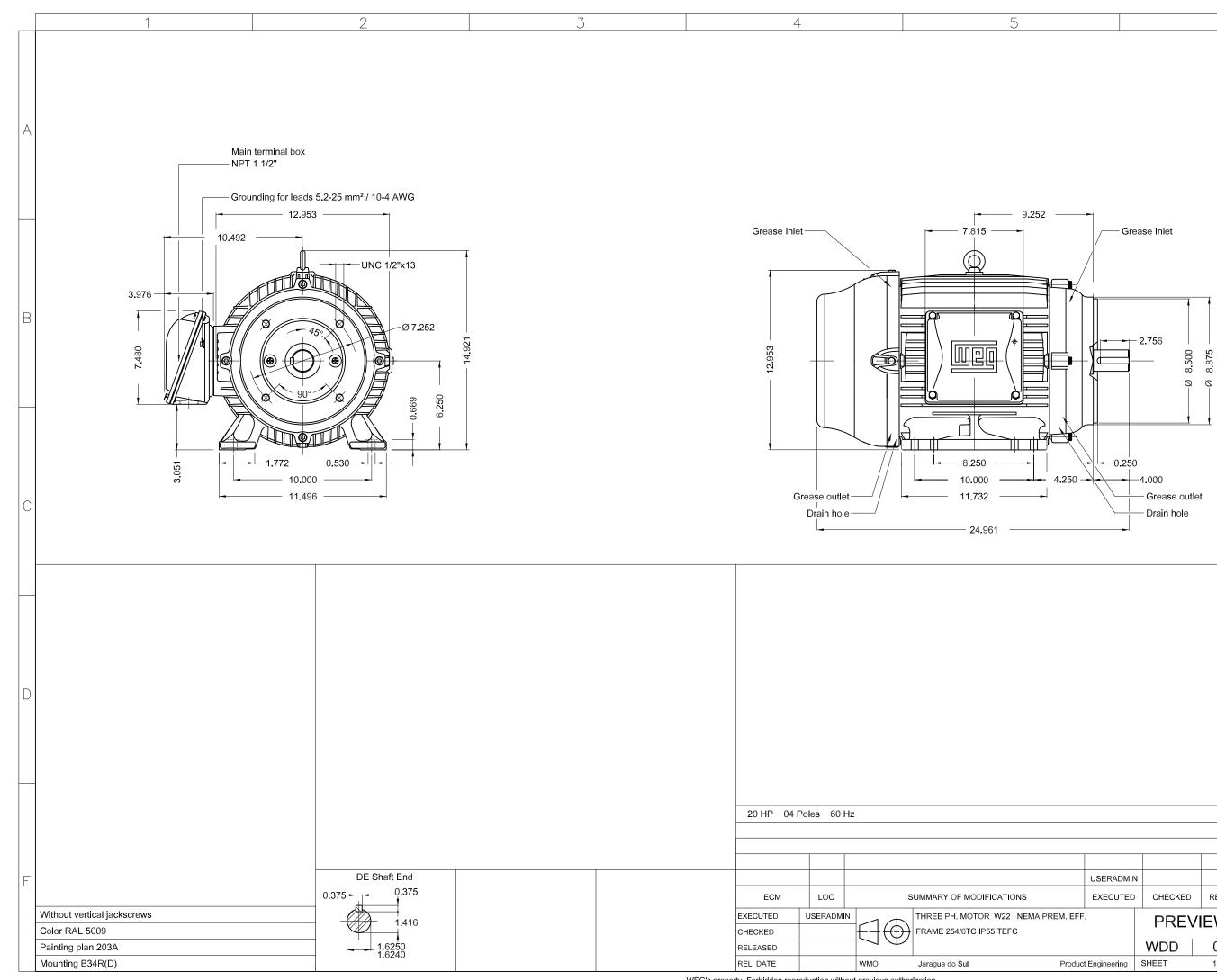
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NS	EXECUTED	CHECKED	RELEASED	DATE	VER	
NEMA PREM. EFF.		PREV	IEW			A3
		WDD	00	ШС		
Produc	t Engineering	SHEET	1 / 1			XME
			·			

