DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

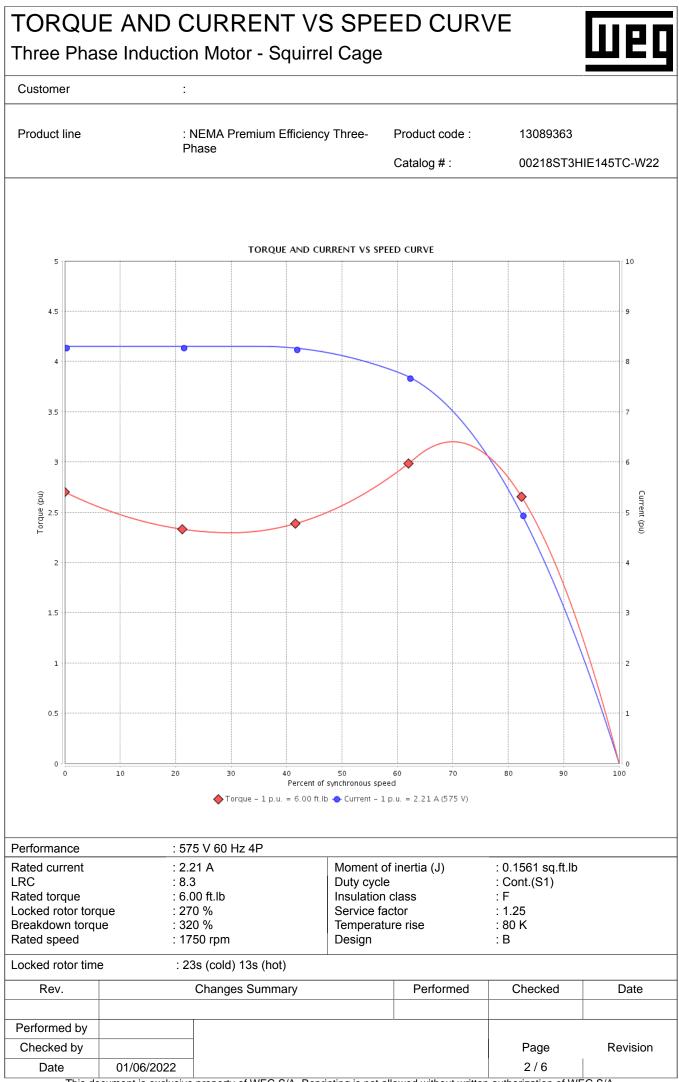
		: NEMA Premium Efficiency Three- Product co Phase			uct code :	de : 13089363		
					Cata	log # :	00218ST3F	IIE145TC-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torc Breakdown torqu Insulation class Service factor Moment of inertia	ie	: 4 : 60 H : 575 : 2.21 : 18.3 : 8.3x : 1.30 : 175 : 2.78 : 6.00 : 270 : 320 : F : 1.25	P (1.5 kW) Hz V A 3 A ((Code L)) A 0 rpm 3 % 0 ft.lb % %		Locked roto Temperature Duty cycle Ambient ten Altitude Protection d Cooling met Mounting Rotation ¹ Noise level ² Starting met Approx. wei	e rise nperature egree hod	: 23s (cold) : 80 K : Cont.(S1) : -20°C to - : 1000 m.a : IP55 : IC411 - TI : F-1 : Both (CW : 51.0 dB(A : Direct On : 58.9 lb) +40°C .s.l. EFC / and CCW) A)
 Dutput	25%	50%	75%	100%	Foundation lo	ade		
Efficiency (%)	85.2	85.5	86.5	86.5	Max. traction	443	: 138 lb	
Power Factor	0.32	0.57	0.70	0.79	Max. compres	sion	: 197 lb	
Sealing Lubrication interv Lubricant amoun		:	20	ro/Seal 000 h 4 g		Inpro/Seal 20000 h 4 g		
Lubricant type		:		Mo	bil Polyrex EM			
	ed. notor from f Im and wit weight sub ocess.	the shaft e	end. e of +3dB(ne, which A).	These are av	erage values	based on tests w tolerances stipu	
This revision replanust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro	ed. notor from f Im and wit weight sub ocess.	the shaft e th toleranc ject to cha	end. e of +3dB(ne, which A).	These are av power supply MG-1.	erage values		
This revision replanust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro 4) At 100% of ful	ed. notor from f Im and wit weight sub ocess.	the shaft e th toleranc ject to cha	nd. e of +3dB(inges after	ne, which A).	These are av power supply MG-1.	erage values , subject to th	ne tolerances stipu	ulated in NEM

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 Date
 01/06/2022
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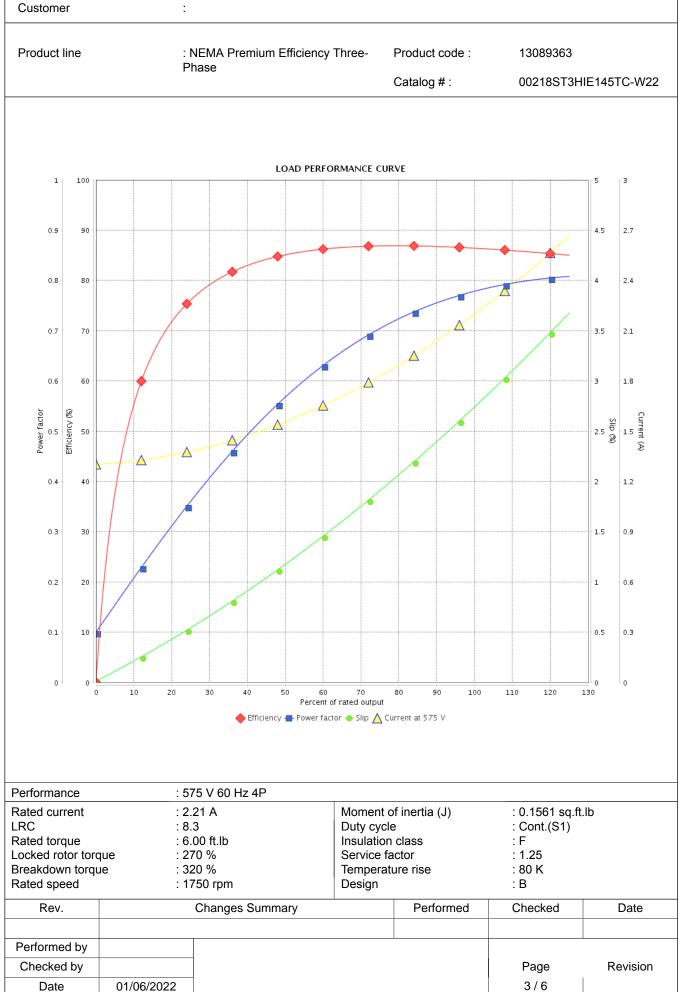
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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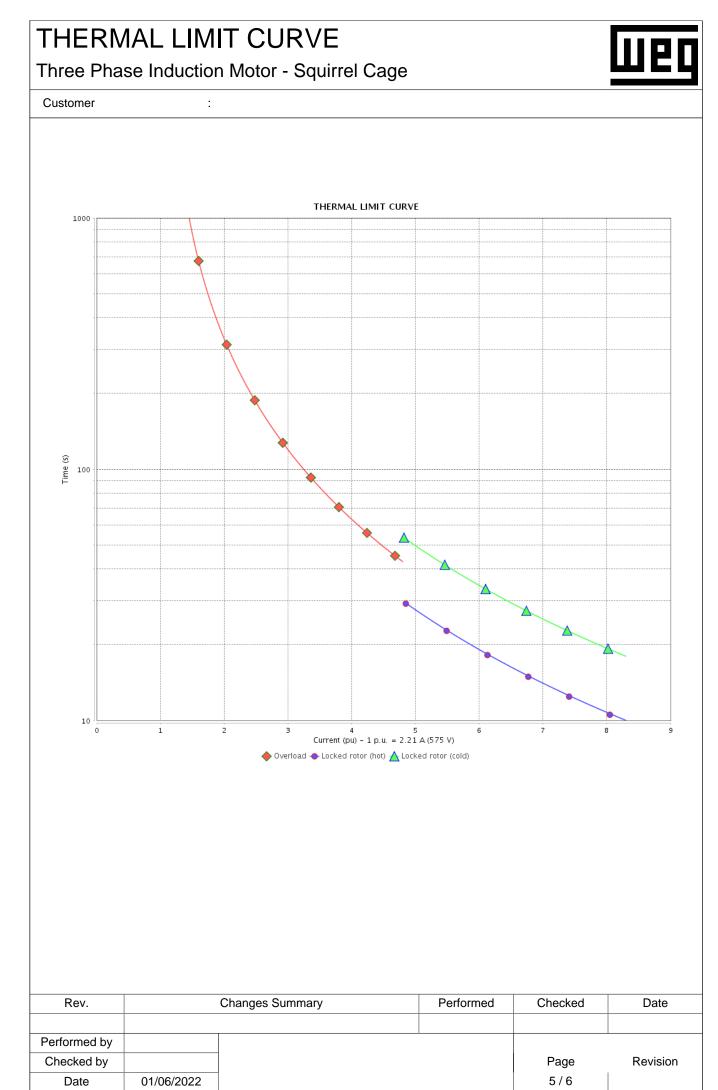
THERMAL LIMIT CURVE						
Three Pha	se Inductic	on Motor - Squirrel	Cage			шсц
Customer	:					
Product line		NEMA Premium Efficiency ⁻ Phase		Product code :	13089363	
				Catalog # :	00218ST3HI	E145TC-W22
Performance		575 V 60 Hz 4P		6 • • • • • • • • •	0.4504	
	LRC: 8.3Rated torque: 6.00 ft.lbLocked rotor torque: 270 %Breakdown torque: 320 %		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1561 sq.ft.l : Cont.(S1) : F : 1.25 : 80 K : B	b
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by						Duio
Checked by		-			Page	Revision

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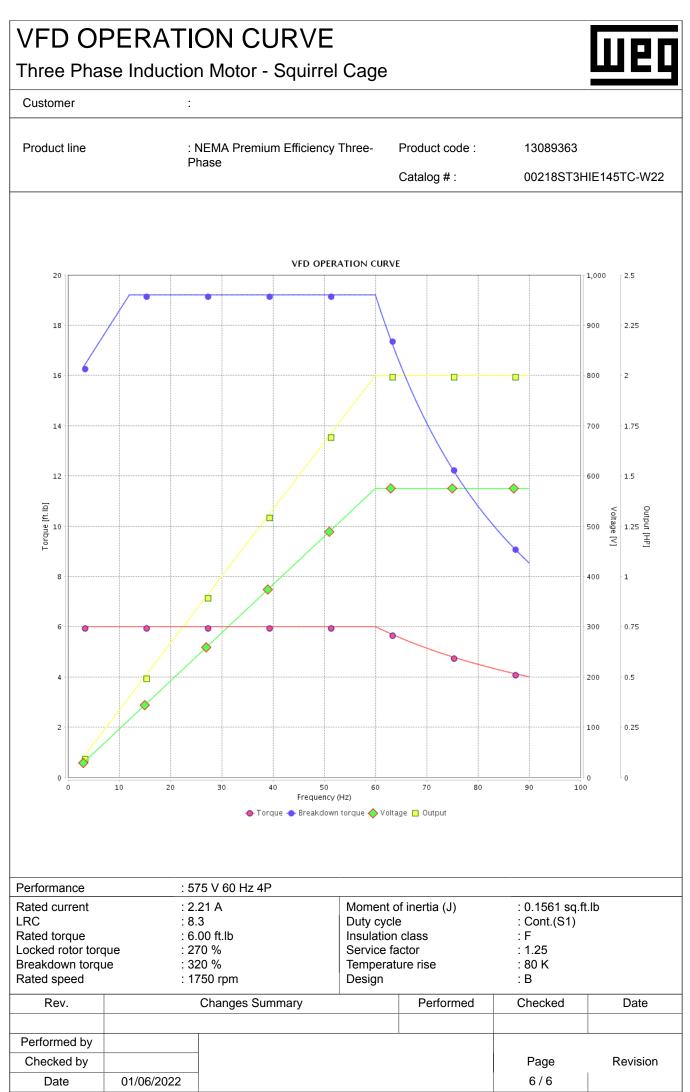
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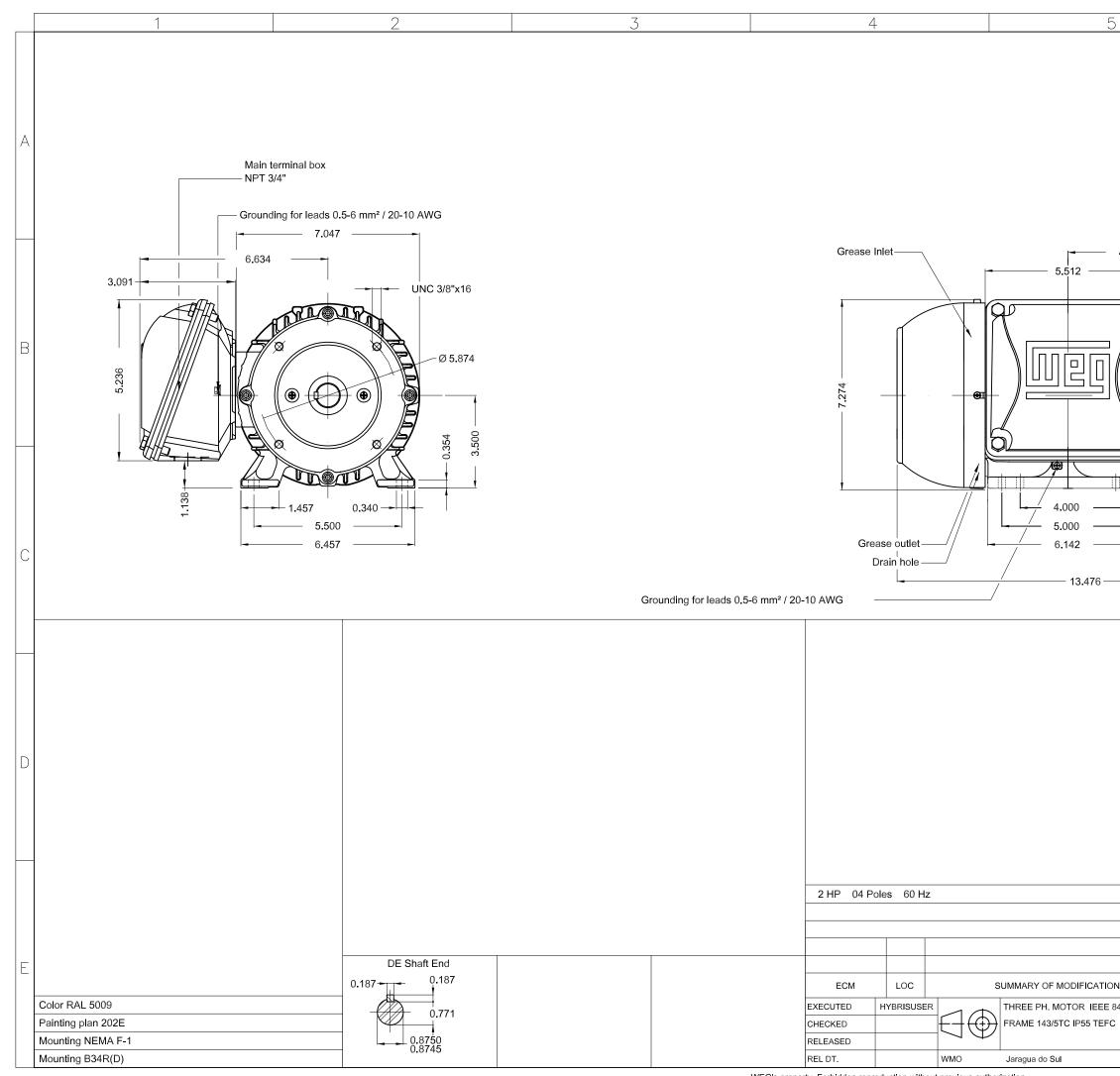
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Product Engineering SHEET 1 / 1	41 W22 PREM. EFF.	
	Product Engineering	SHEET 1 / 1

