DATA SHEET

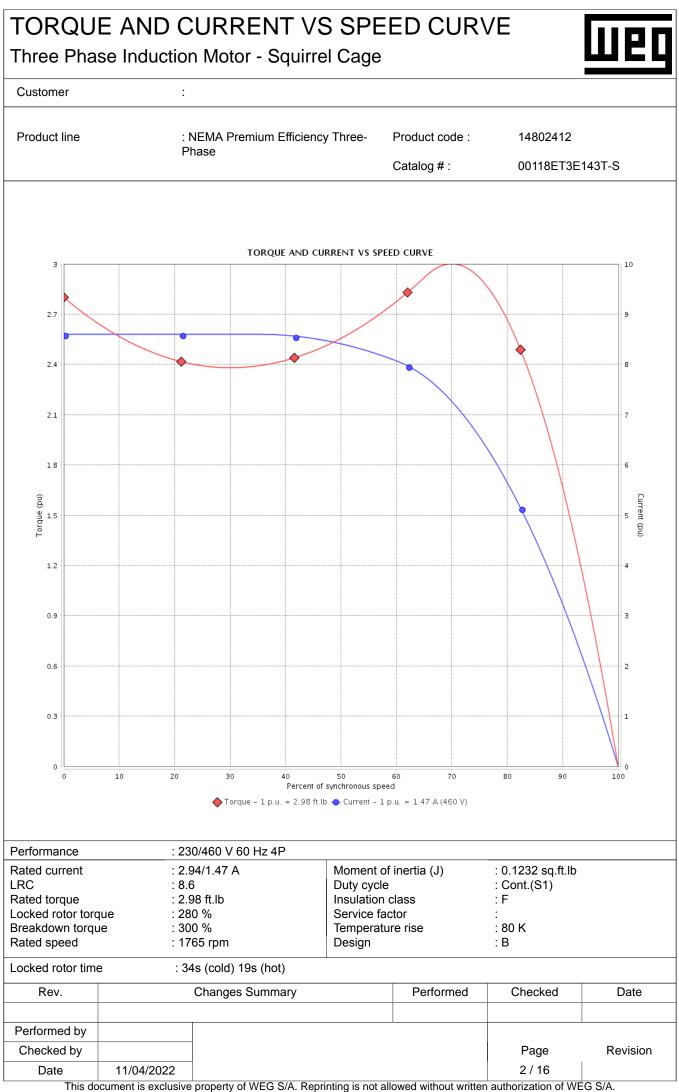
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Prem Phase	ium Efficiency T	hree-	Product code :	14802412	
	Catalog # :		Catalog # :	00118ET3E	143T-S		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 143/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Mountin Rotation Starting Approx.		: IC411 - TE : F-1 : Both (CW : Direct On I : 38.6 lb : 0.1232 sq.	and CCW) Line
Output [HP]			1		1		1
Poles			4		4		4
Frequency [Hz]			50 		50		50
Rated voltage [V]			/460		190/380		20/415
Rated current [A]			/1.47		3.40/1.70		9/1.64
. R. Amperes [A]			/12.6		22.1/11.0		.0/11.6
RC [A]			ode M)		6.5x(Code J)		(Code K)
No load current [A			0.890		1.76/0.879		7/0.938
Rated speed [RPN	/I]		765		1450		1455
Slip [%]	,		94		3.33		3.00
Rated torque [ft.lb]			98		3.62		3.61
Locked rotor torqu			80		200		220
Breakdown torque	e [%]	3	00		270		300
Service factor		~			1.15		1.15
Temperature rise) K	•	80 K		80 K
ocked rotor time) 19s (hot)	US	(cold) 0s (hot)		d) 0s (hot)
Noise level ²	25%		dB(A)		49.0 dB(A) 82.5		0 dB(A) 81.2
	25% 50%		81.0				
Efficiency (%)			82.5 84.0		82.2		81.5
, ,	75%				83.7		83.6
	100%		5.5		82.9		83.5
	25%		0.30		0.36		0.33
Power Factor	50% 75%		0.52 0.66		0.62		0.58
	100%		75		0.74 0.81		0.71 0.79
	100%						0.79
Bearing type		<u>Drive end</u> : 6205 ZZ	<u>Non drive end</u> 6203 ZZ	Max. tra	ction	: 75 lb	
Sealing		: V'Ring	Without Bearing Seal	Max. coi	npression	: 113 lb	
Lubrication interv	val	: -	-				
Lubricant amoun	it	: -	-				
Lubricant type		: Mobil F	Polyrex EM				
Notes USABLE @208V	3.25A SF 1.	00 SFA 3.25A					
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. lotor from the Im and with t weight subjec ocess.	shaft end. olerance of +3d	B(A).			based on tests wi tolerances stipu	
Rev.		Changes S	ummary		Performed	Checked	Date
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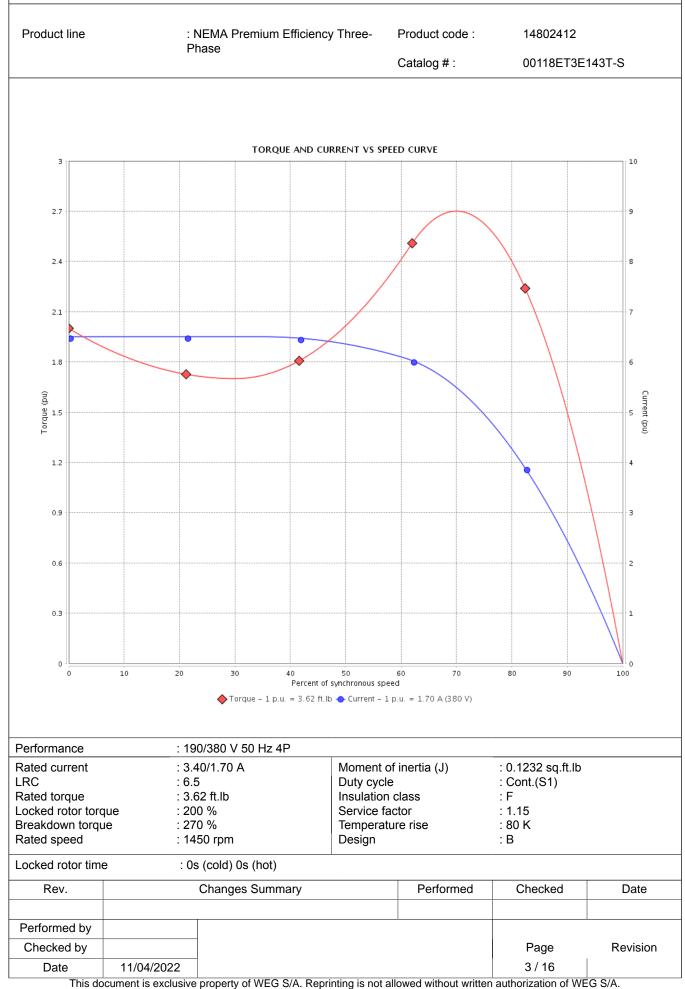
TORQUE AND CURRENT VS SPEED CURVE

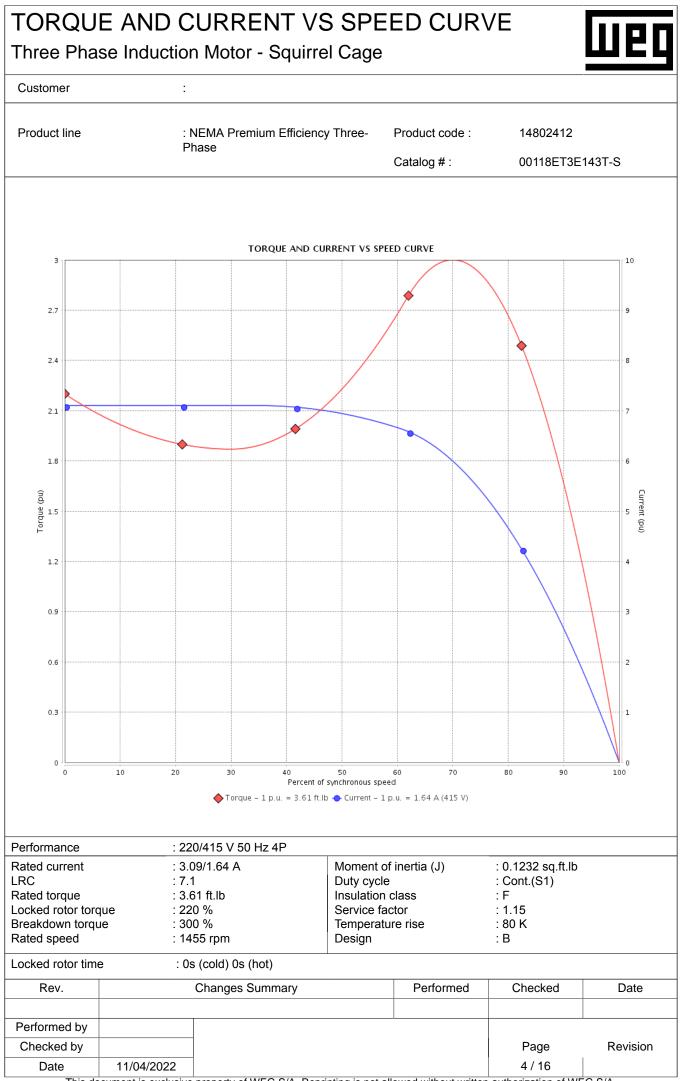
Three Phase Induction Motor - Squirrel Cage

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Customer



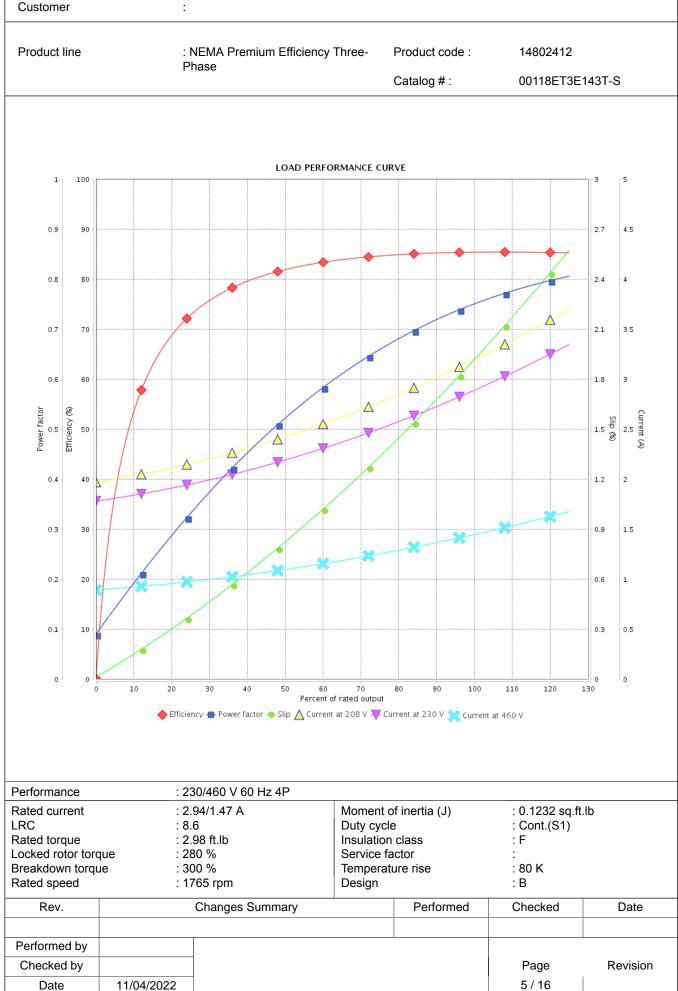


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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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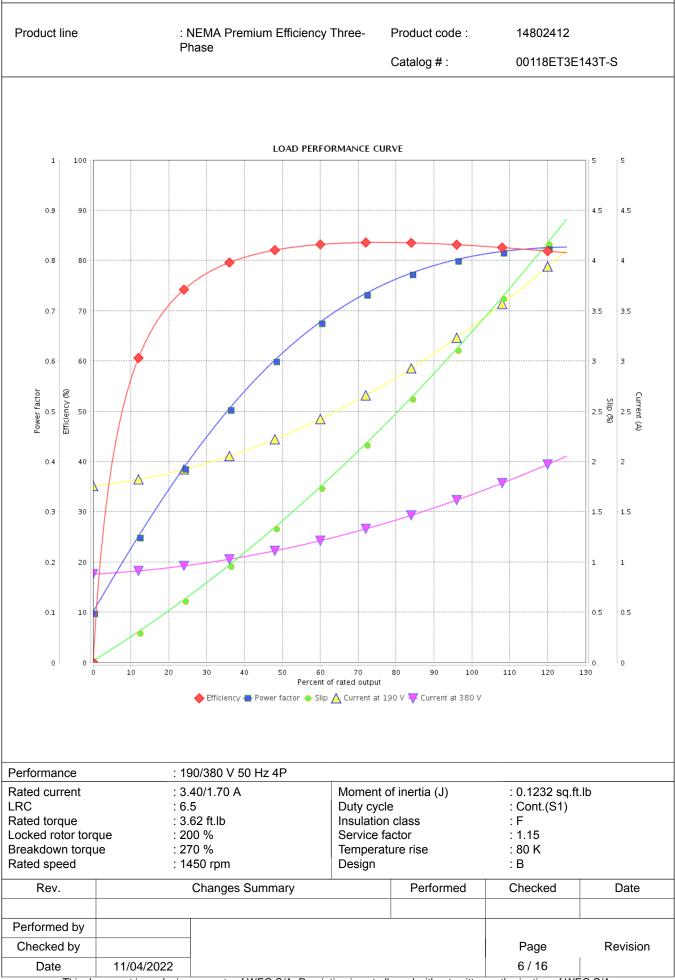
LOAD PERFORMANCE CURVE

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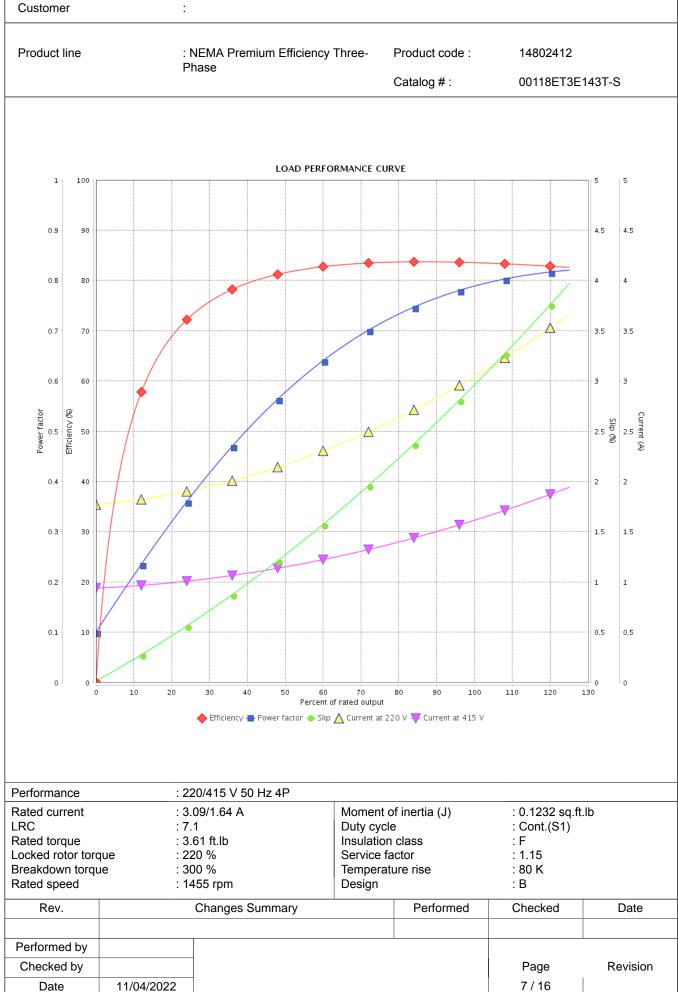
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LOAD PERFORMANCE CURVE

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Customer



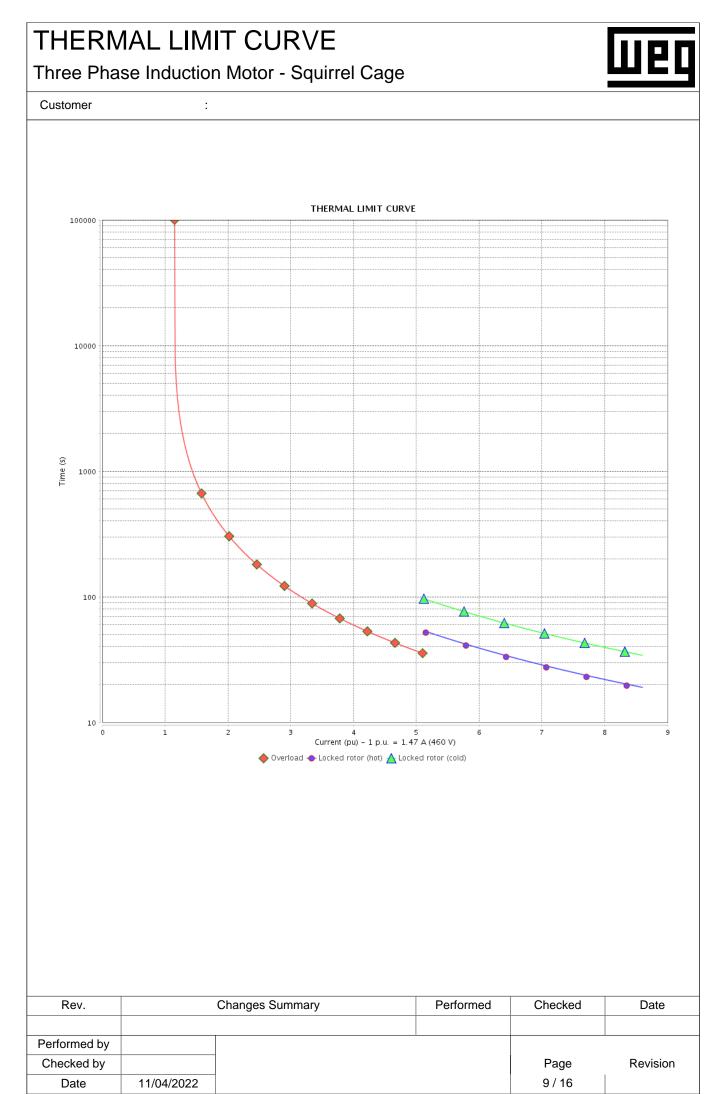
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THERMAI	LIMIT C	CURVE		
Three Phase I	nduction Mot	tor - Squirrel C	age	
Customer	:			



Customer

Product line	: NEMA	ree- F	Product code :	14802412		
Phase			(Catalog # :	00118ET3E1	43T-S
				Latalog # :	00118E13E1	431-5
Performance	: 230/460	V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed		D In S Te	loment of outy cycle nsulation ervice fac emperatu oesign	class ctor	: 0.1232 sq.ft. : Cont.(S1) : F : : 80 K : B	b
Heating constant						
Cooling constant						
Rev.		es Summary		Performed	Checked	Date
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THERMAL LIMIT CURVE	
Three Phase Induction Motor - Squirrel Cage	

Шеq

Customer	:					
Product line	: I P	NEMA Premium Efficiency hase		Product code : Catalog # :	14802412 00118ET3E	143T-S
Performance	: 19	90/380 V 50 Hz 4P				
LRC Rated torque Locked rotor torque Breakdown torque		: 3.40/1.70 A Moment : 6.5 Duty cyc : 3.62 ft.lb Insulation : 200 % Service : 270 % Temperation : 1450 rpm Design		class ctor	: 0.1232 sq.ft : Cont.(S1) : F : 1.15 : 80 K : B	lb
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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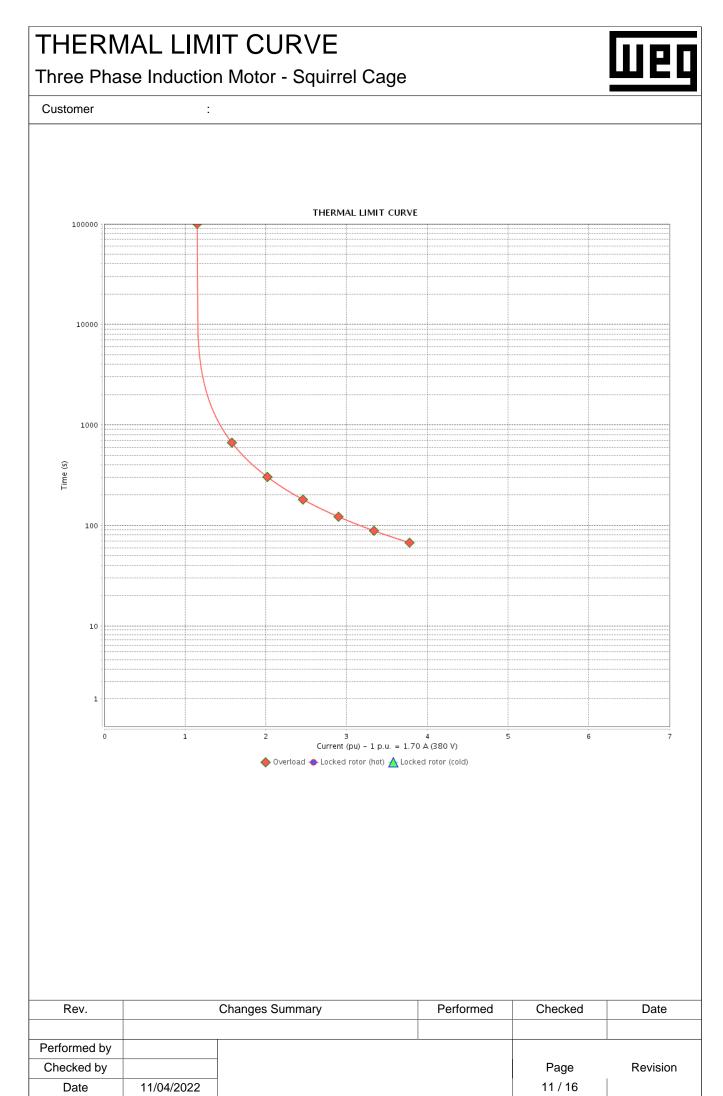
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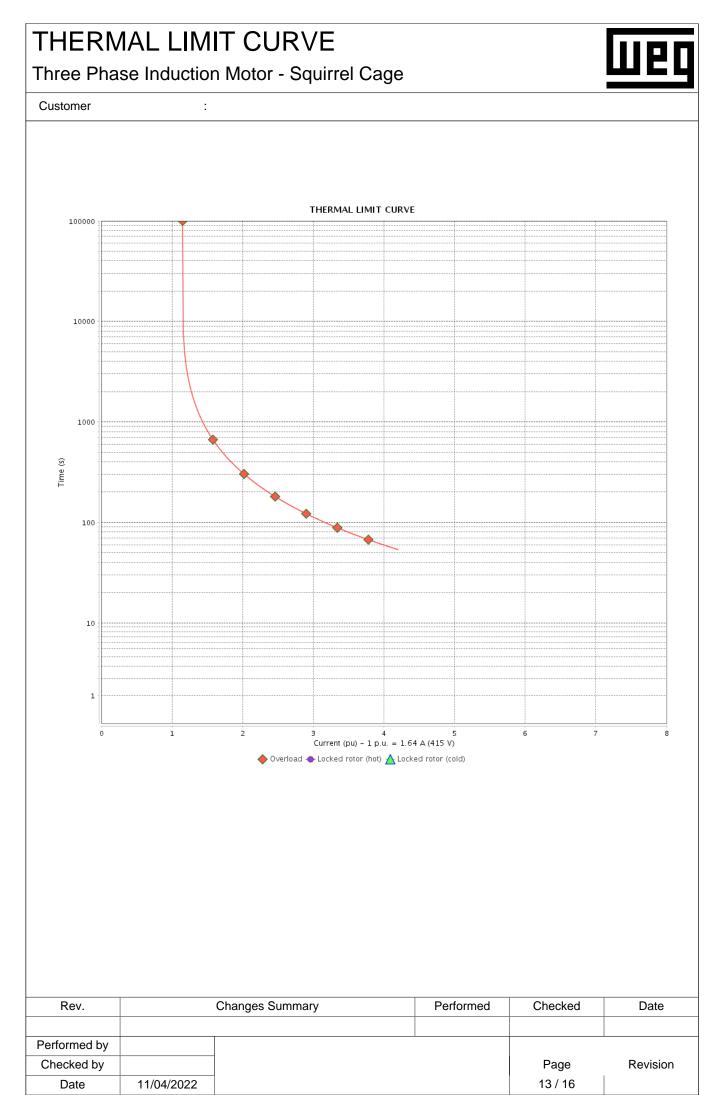
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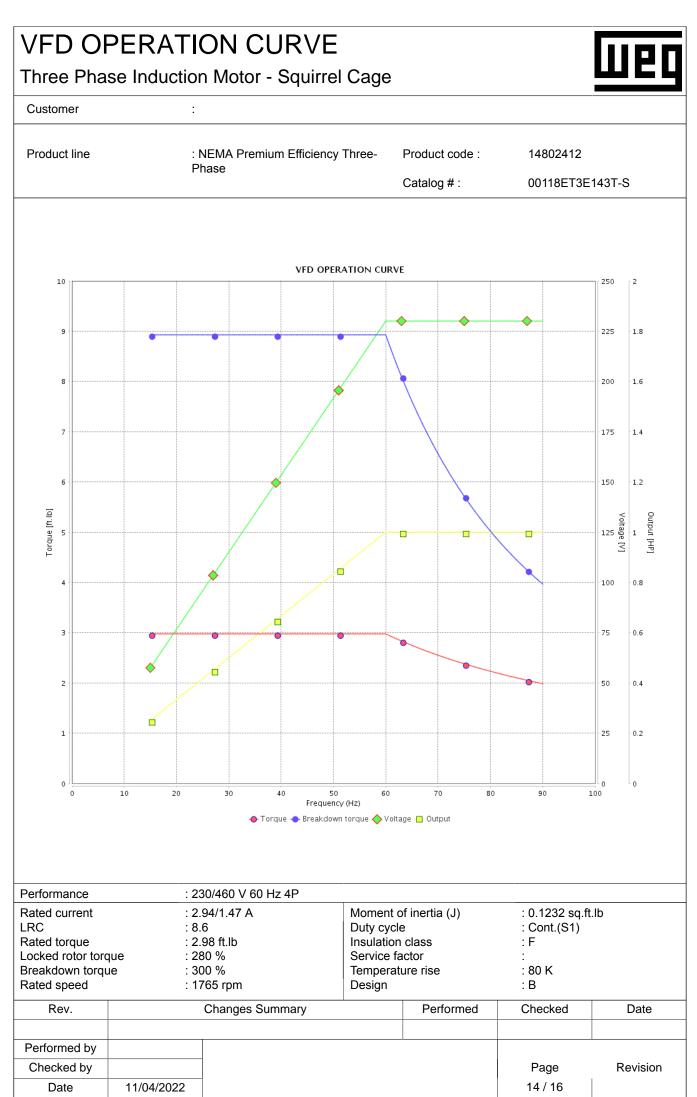


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Three Phase	Induction Mo	otor - Squirrel	Cage	
Customer	:			

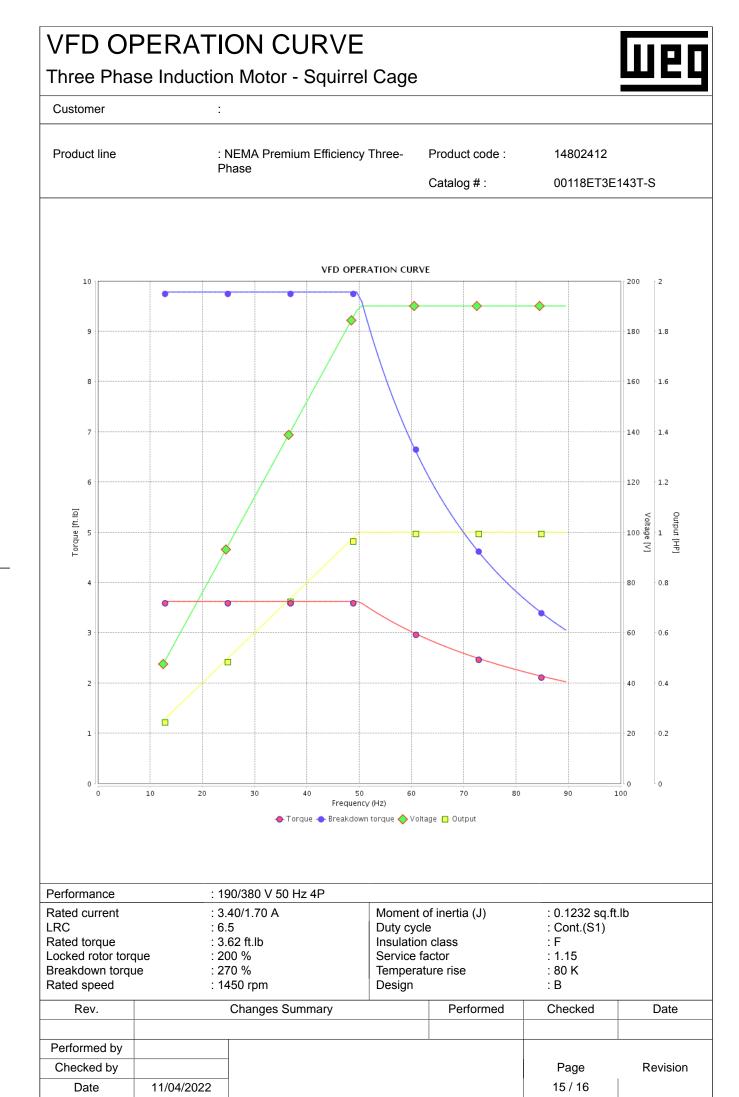


Product line	: 1	NEMA Premium Efficiency	Product code :	14802412	14802412	
	P	hase		Catalog # :	00118ET3E	143T-S
Performance		20/415 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7. : 3. que : 22 ue : 30	.09/1.64 A .1 .61 ft.lb 20 % 00 % 455 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.1232 sq.ft : Cont.(S1) : F : 1.15 : 80 K : B	lb
Heating constan	t	r				
Cooling constant	t			· · · · · ·		
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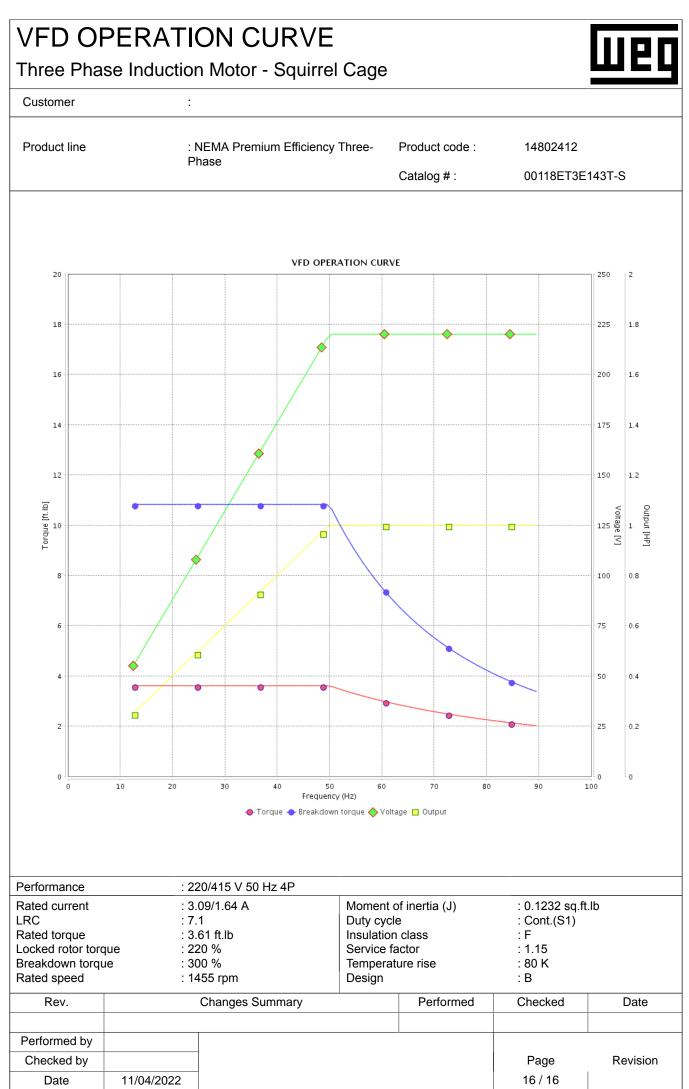




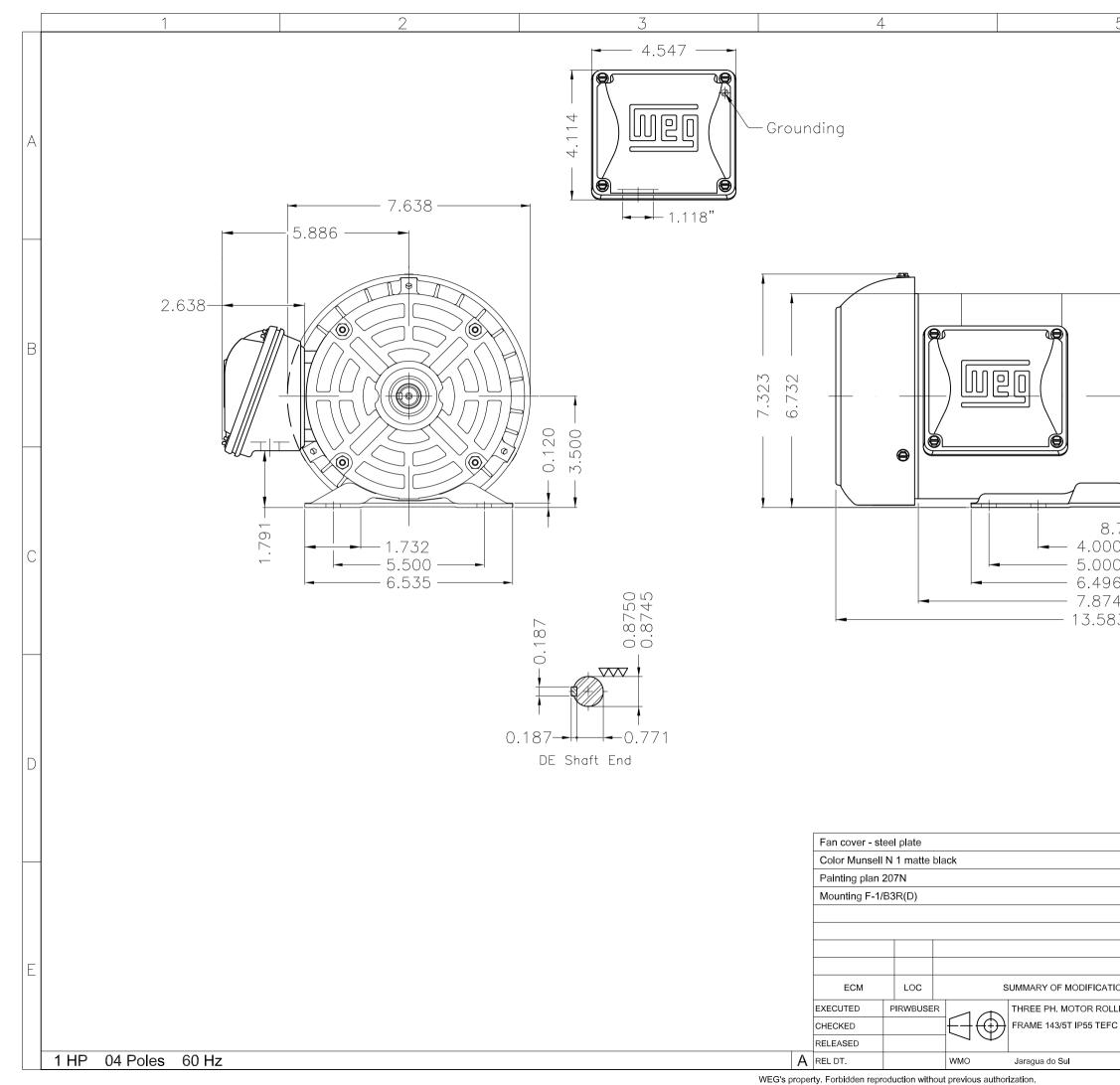
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Produc	t Engineering	SHEET	1 / 1			XME
	-		· I			

US LISTED COUS SAFE AREA Energy Verified	For 60H2: Class I, Zone 2, IIC Class I, DIV.2, Gr. A.B.C,D - T3 DIV 2 Inverter Duty (5F1.00) CT 2:1/VT 1000:1	3 1 H2 50 HW 0.75 14357 V 230/460 TY CONT. V 230/460 14357 V 230/460 TY CONT. V 230/460 F 3311.69 5F ICL TEFC DEE 5F CL TEFC CODE RPM 1755 ABLE 0.75 55% ABLE 0.75 55% ABLE 0.75 1.01F ABLE 0.75 1.00C ABLE 0.75 1.01F ABLE 0.75 1.02 ABLE 0.75 1.02 ABLE 0.75 1.01F ABC 0.74 1.01F ABC 0.75 1.02 ABC 0.75 <td< th=""><th>RECORDING Record and a metallocation adding out, and a metallocation of the road an american</th></td<>	RECORDING Record and a metallocation adding out, and a metallocation of the road an american
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