DATA SHEET

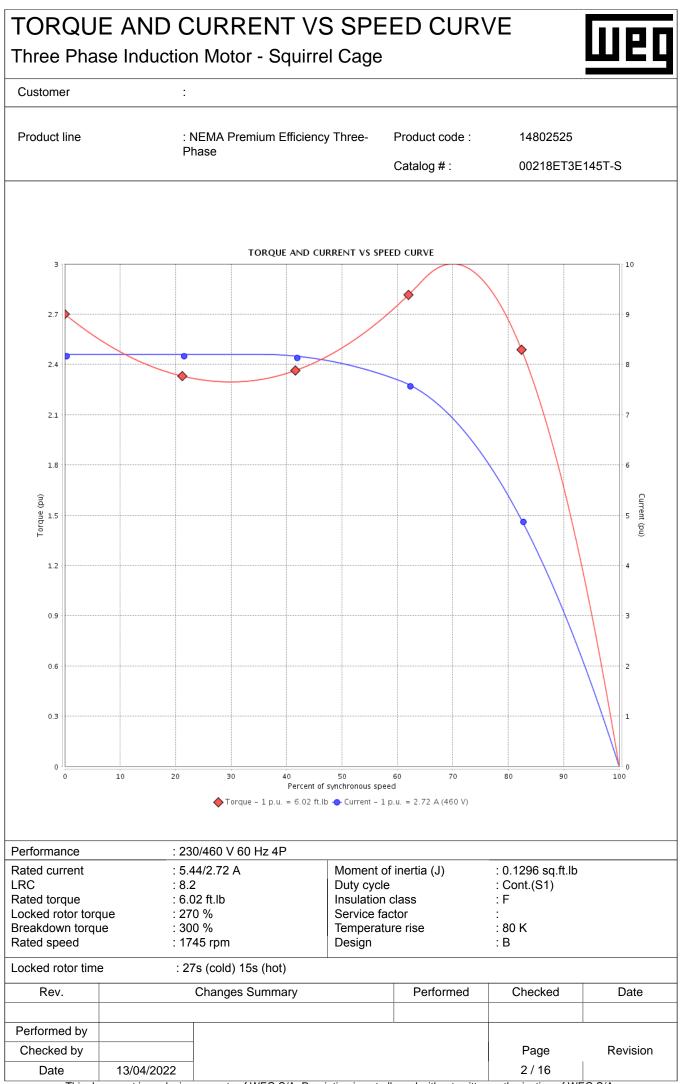
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Efficiency Phase	Three- Product code :	14802525
		Flidse	Catalog # :	00218ET3E145T-S
Frame Insulation class Duty cycle		: 143/5T : F : Cont.(S1)	Cooling method Mounting Rotation ¹	: IC411 - TEFC : F-1 : Both (CW and CCW)
Ambient tempera Altitude	ature	: -20°C to +40°C : 1000 m.a.s.l.	Starting method Approx. weight ³	: Direct On Line : 43.5 lb
Protection degre Design	e	: IP55 : B	Moment of inertia (J)	: 0.1296 sq.ft.lb
Dutput [HP]		2	2 2	
Poles		4	4	4
requency [Hz]		60 230/460	50	50
ated voltage [V]			190/380	220/415
Rated current [A]		5.44/2.72	6.50/3.25	5.89/3.12
. R. Amperes [A]		44.6/22.3	39.0/19.5	39.4/20.9
RC [A]	-	8.2x(Code K)	6.0x(Code H)	6.7x(Code J)
lo load current [A		2.80/1.40	2.75/1.37	2.87/1.52
Rated speed [RPN	/]	1745	1415	1425
Slip [%]		3.06	5.67	5.00
Rated torque [ft.lb]		6.02	7.42	7.37
ocked rotor torqu		270	210	240
Breakdown torque		300	240	270
Service factor			1.00	1.00
Temperature rise		80 K	1.00 105 K	105 K
_ocked rotor time		27s (cold) 15s (hot)	Os (cold) Os (hot)	0s (cold) 0s (hot)
Noise level ²	050/	52.0 dB(A)	49.0 dB(A)	49.0 dB(A)
	25%	86.0	87.1	86.0
Efficiency (%)	50%	85.5	85.4	84.9
	75%	87.5	84.9	85.2
	100%	86.5	82.6	83.6
	25%	0.35	0.42	0.38
	50%	0.60	0.68	0.64
Power Factor	75%	0.73 0.80		0.76
	100%	0.73	0.85	0.83
	100%		nd Foundation loads	0.83
Bearing type Sealing		: 6205 ZZ 6203 ZZ : V'Ring Without		: 151 lb : 195 lb
Lubrication interv	val	Bearing Se	•	. 100 10
Lubricant amoun	L			
Lubricant type		: Mobil Polyrex EM		
Notes USABLE @208V	6.02A SF 1.	00 SFA 6.02A		
must be eliminate (1) Looking the m (2) Measured at 1	ed. otor from the m and with t veight subjec ocess.	ncel the previous one, which e shaft end. colerance of +3dB(A). ct to changes after		based on tests with sinusoidal e tolerances stipulated in NEMA
(4) At 100% of ful			Performed	Checked Date
		Changes Summary		
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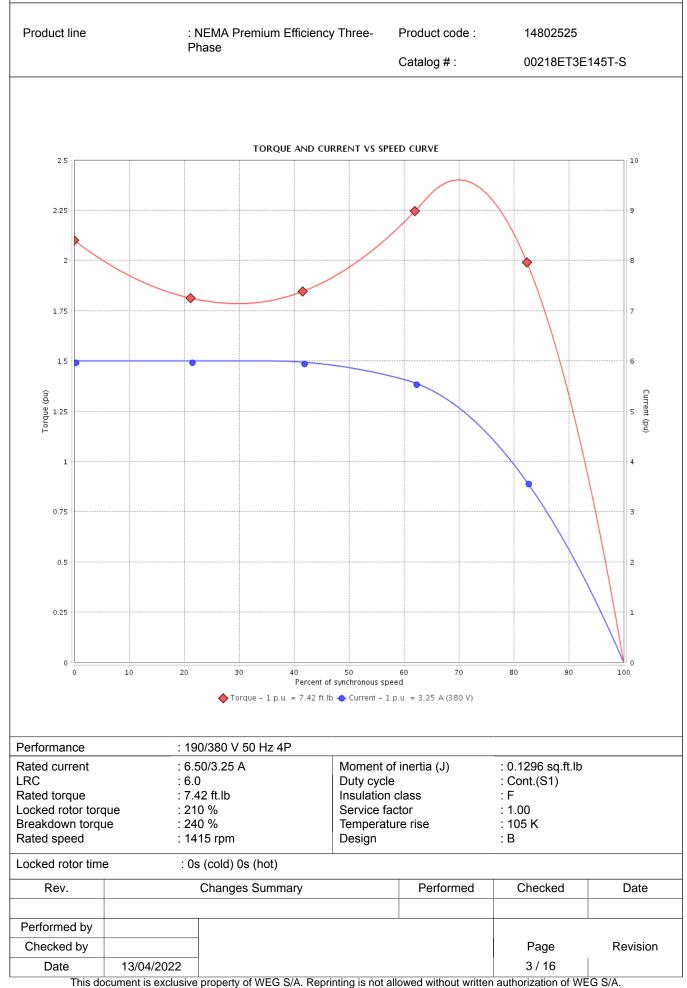
TORQUE AND CURRENT VS SPEED CURVE

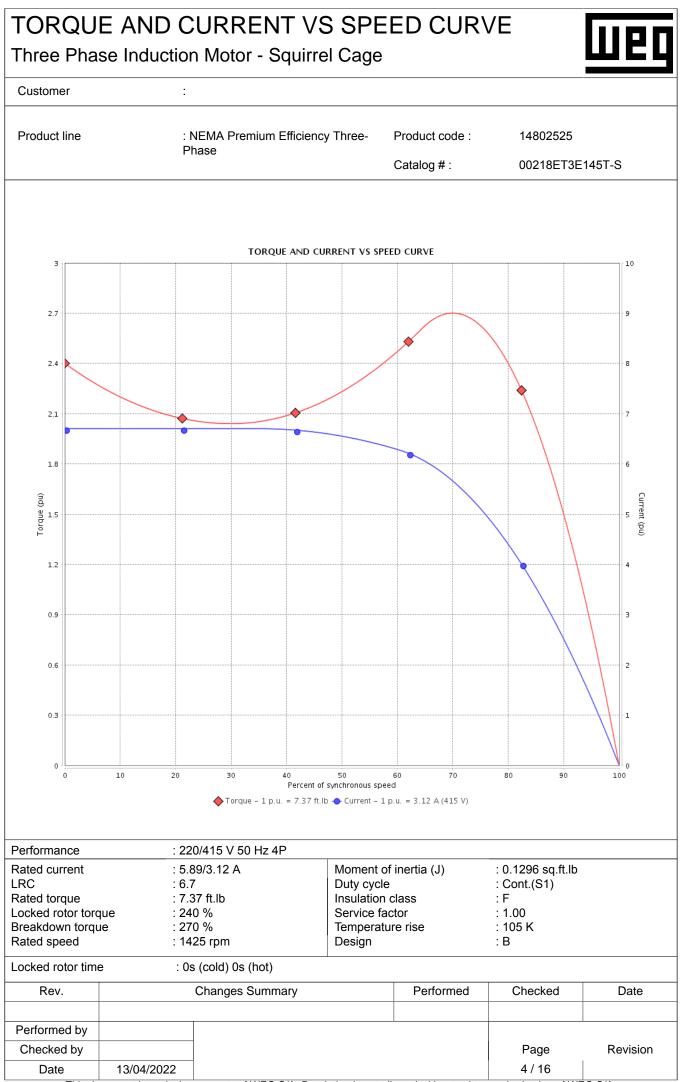
Three Phase Induction Motor - Squirrel Cage

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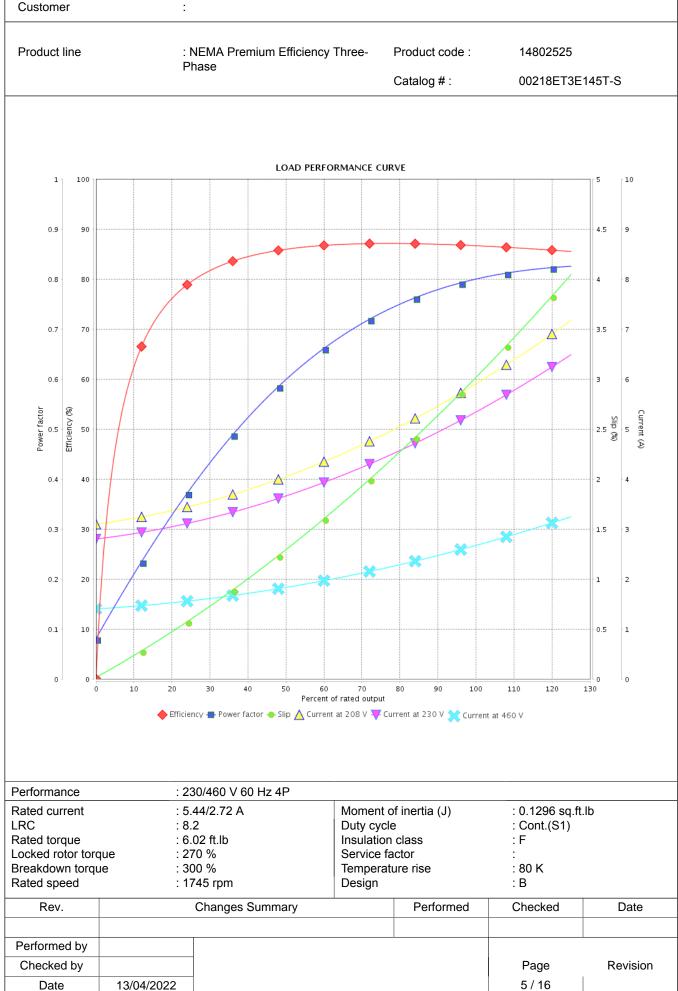




LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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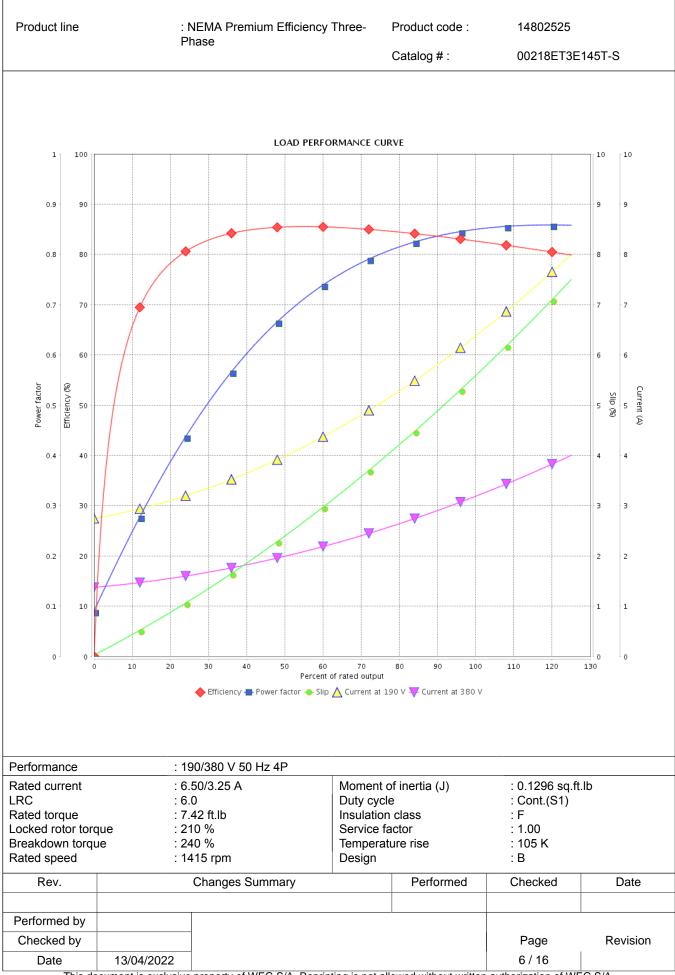
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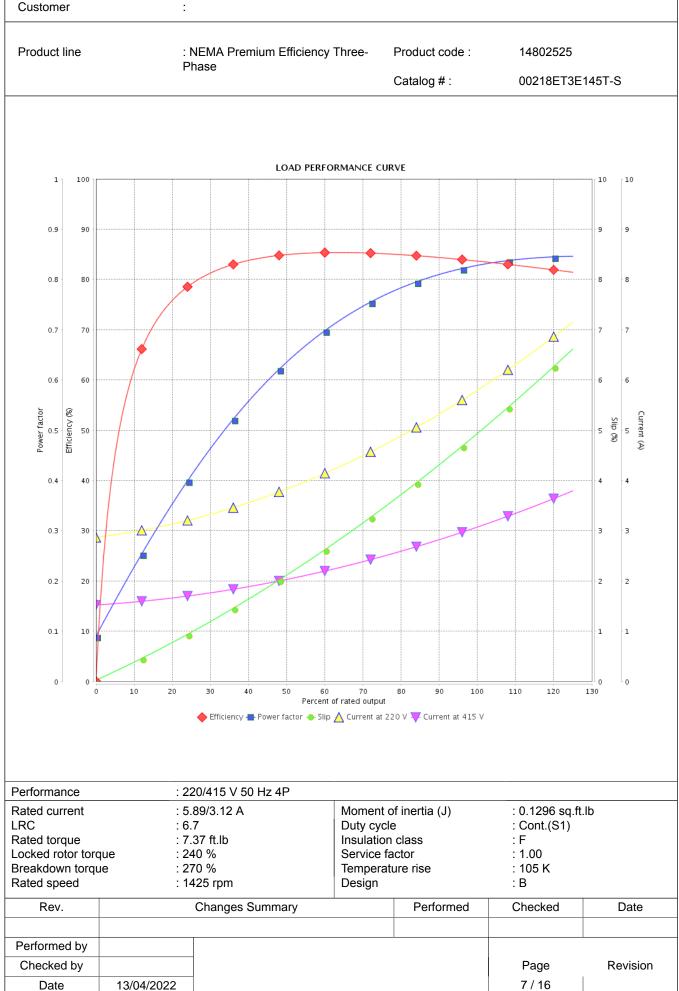
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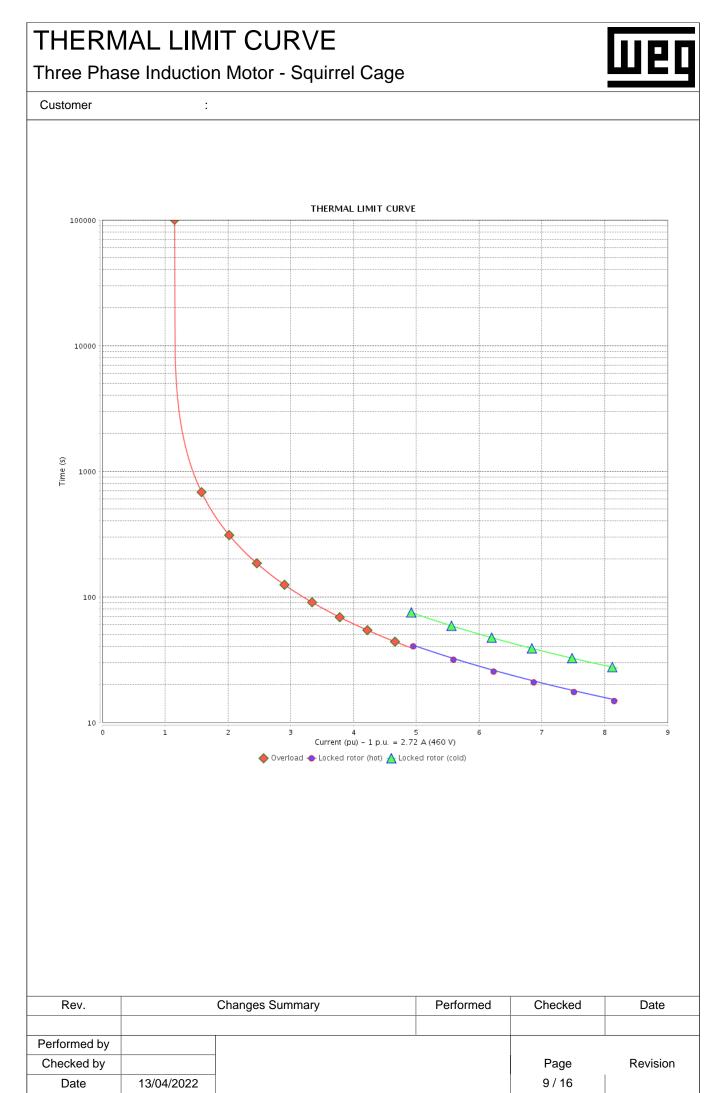
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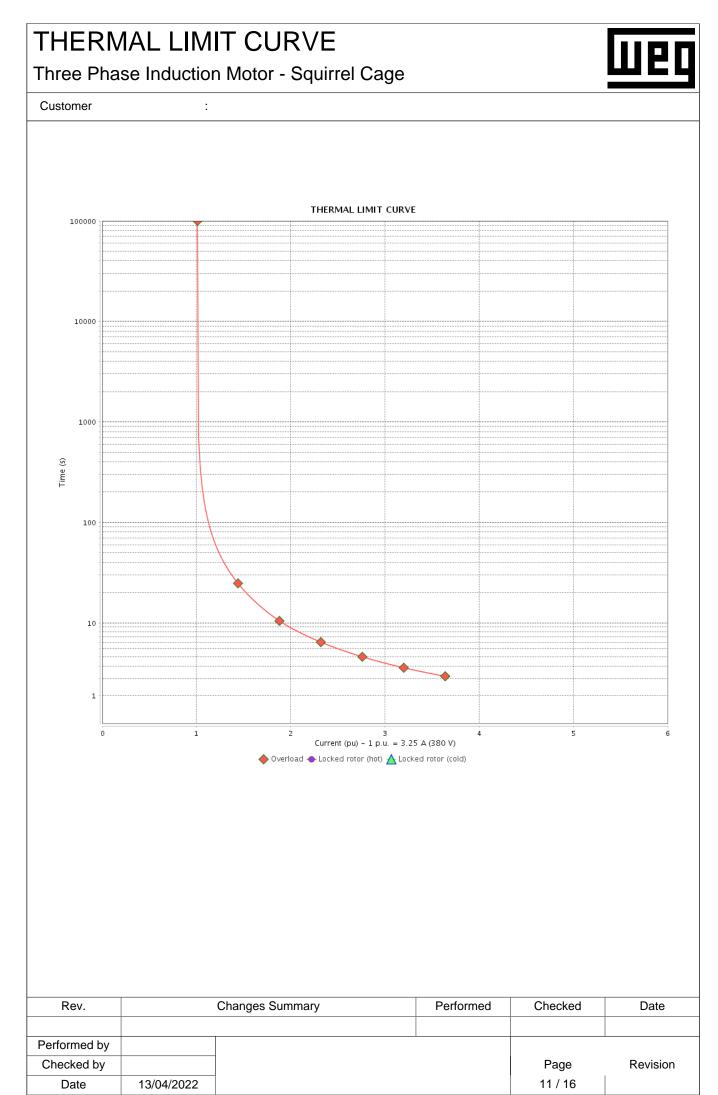
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Three Phase Induc	tion Motor - Squirrel Cage		шсч
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	14802525
		Catalog # :	00218ET3E145T-S

Performance	: 2	30/460 V 60 Hz 4P				
Rated current: 5.44/2.72 ALRC: 8.2Rated torque: 6.02 ft.lbLocked rotor torque: 270 %Breakdown torque: 300 %Rated speed: 1745 rpm		2.2 6.02 ft.lb 70 % 00 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1296 sq.ft.lb : Cont.(S1) : F : : 80 K : B	
Heating constant						
Rev. Changes Summary		Changes Summary		Performed	Checked	Date
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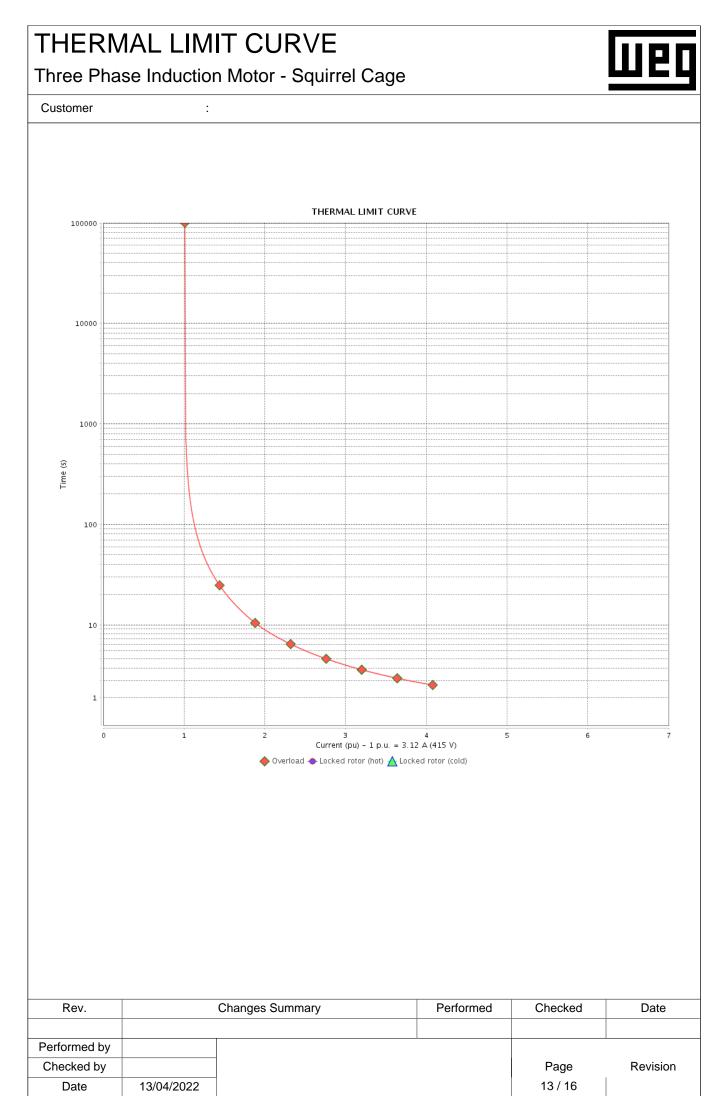
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Three Phase Indu	ction Motor - Squirrel Cage)	шсц
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	14802525
	Thase	Catalog # :	00218ET3E145T-S

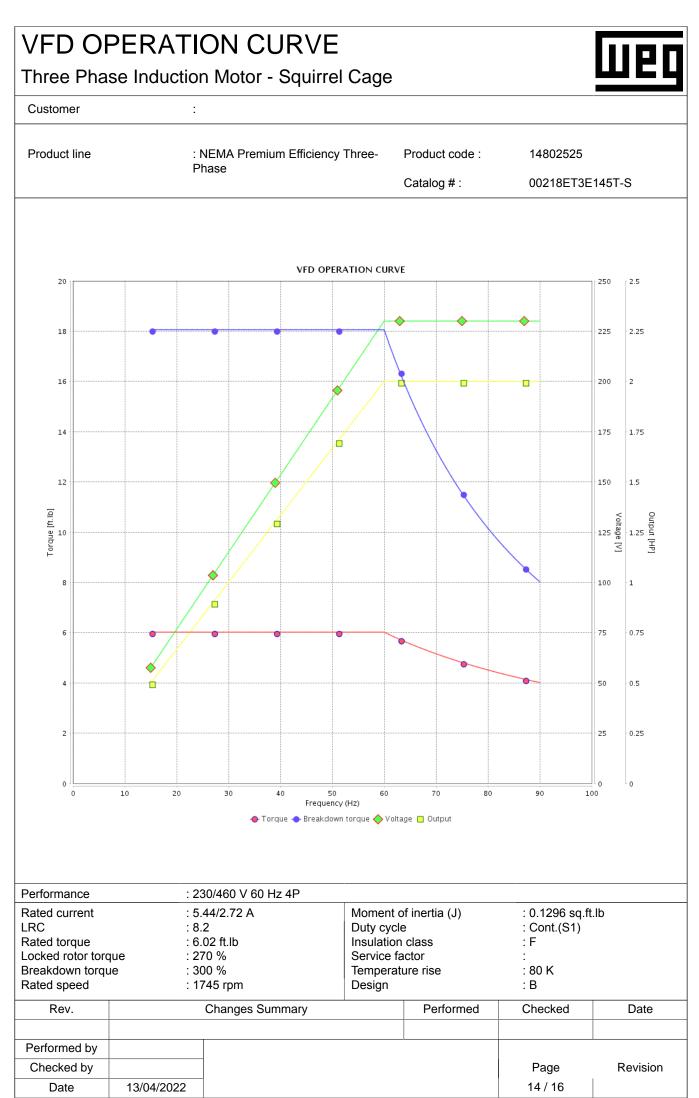
Performance	: 1	90/380 V 50 Hz 4P				
Rated current: 6.50/3.25 ALRC: 6.0Rated torque: 7.42 ft.lbLocked rotor torque: 210 %Breakdown torque: 240 %Rated speed: 1415 rpm		.0 .42 ft.lb 10 % 40 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1296 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constant						
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
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Date	13/04/2022				10 / 16	



Three Phase Induc	tion Motor - Squirrel Cage		шсч			
Customer	:					
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	14802525			
		Catalog # :	00218ET3E145T-S			

Performance		: 220/415 V 50 Hz 4P				
Rated current: 5.89/3.12 ALRC: 6.7Rated torque: 7.37 ft.lbLocked rotor torque: 240 %Breakdown torque: 270 %Rated speed: 1425 rpm		: 7.37 ft.lb : 240 % : 270 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1296 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constant Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Checked by					Page	Revision
Date	13/04/2022				12/16	

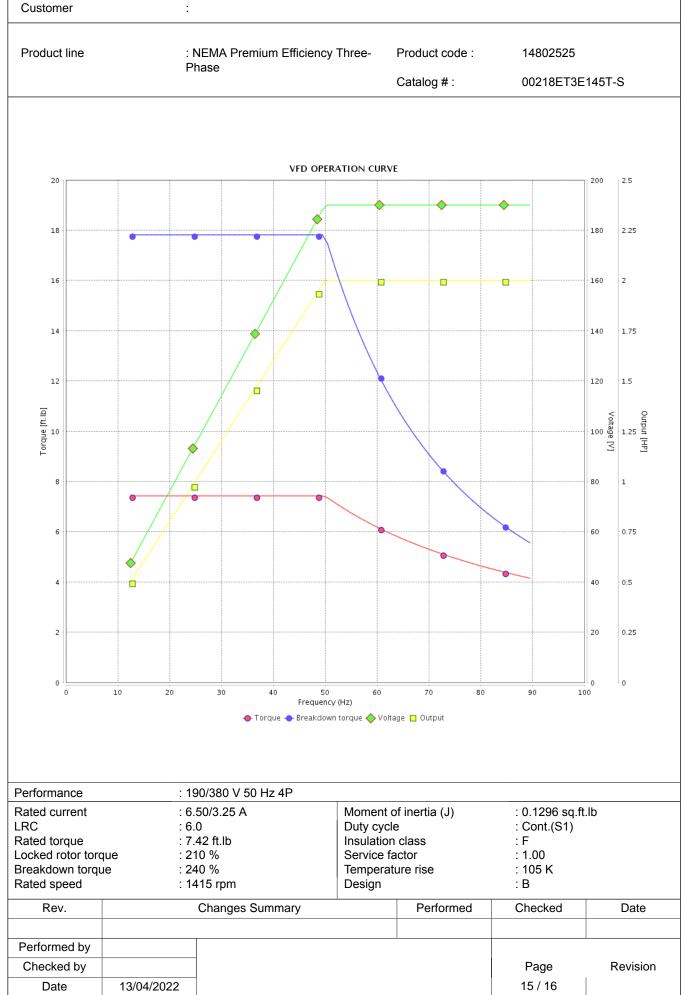




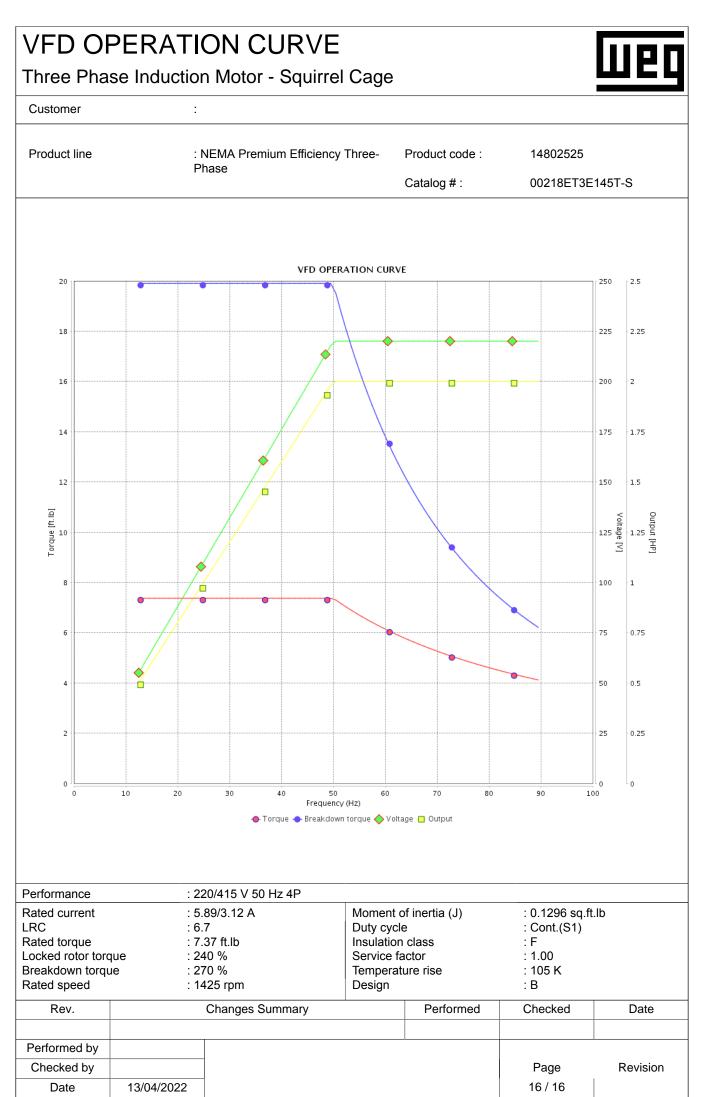
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VFD OPERATION CURVE Three Phase Induction Motor - Squirrel Cage

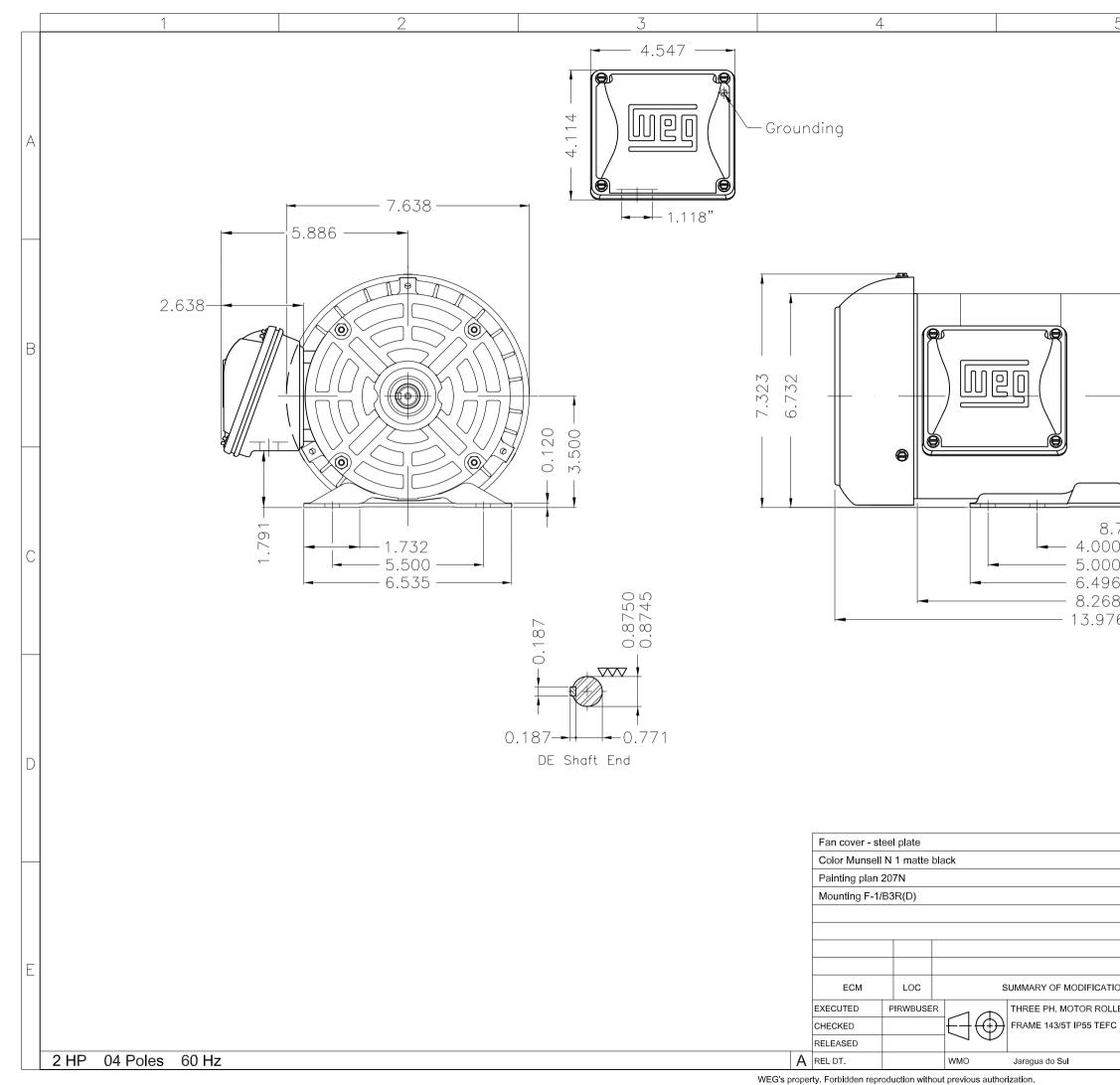
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	 1.417	
		Dimensions in inches
IONS EXECUTED	CHECKED RELEASED DATE VER	
LED STEEL PREM. EFF.	PREVIEW	_
		E A3
Product Engineering	SHEET 1 / 1	XME

CONTERPORT CONTRACTOR	For 60H2: Class I, Zone 2, IIC Class I, DIV2, Gr. A,B,C,D - T3 DIV 2 Inverter Duty (5F1.00) CT 2:1/17 1000:1	3 1 円 50 1 H30 <	ENDITION eventual vicing unit.
e C		HW 1.5 W 230(460 A 5.442.72 SFA 6.26(3:13 FF 0.58 FF 1:15 FF 0.58 FF 0.58 F	INTERCIANCE ANY TWO LINE WREES TO REVERSE THE ROTATION MARNING. MORE IN A SECOND THE ROTATION and national electrical codes to prevent earliers and national electrical codes to prevent earliers electrical about. Disconnect power source before searching unit. A Definition of a second second second second about a second obso electriques grave. Deconnecter 1'allienmation avant features de la machine
	MADE IN MEXICO MAT: 14802525 CC029A W01.TE0IC0X0N MODEL 00218ET3E145T-S 04MAR2022 B/N:	I Hz 50 a.s.1 a.s.1 a.s.1 a.s.1 a.s.1 a.s.1 a.s.1 b.s.2 a.s.1 b.s.2 a.s.1 a.s.1 b.s.2 a.s.1 a.s.1 b.s.2 a.s.1 a.s.1 b.s.2 a.s.1 b.s.2 b.s.2 a.s.1 b.s.2 b.s.2 b.s.2 a.s.3 a.s.3 a.s.3 b.s.3 b.s.3 b.s.3 b.s.3 b.s.3 b.s.3 b.s.3 b.s.3 b.s.3 a.s.3 b.s.3 b.s.3 b.s.3 b.s.3 c.s.3 b.s.3 c.s.3 c.s.3 c.s.	NGE ANY TWO LINE NG: Motor must be g I national electrical c iocks. Disconnect pc AVERTISSEMENT: c codes électriques i ave. Déconnectez l'a
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