DATA SHEET

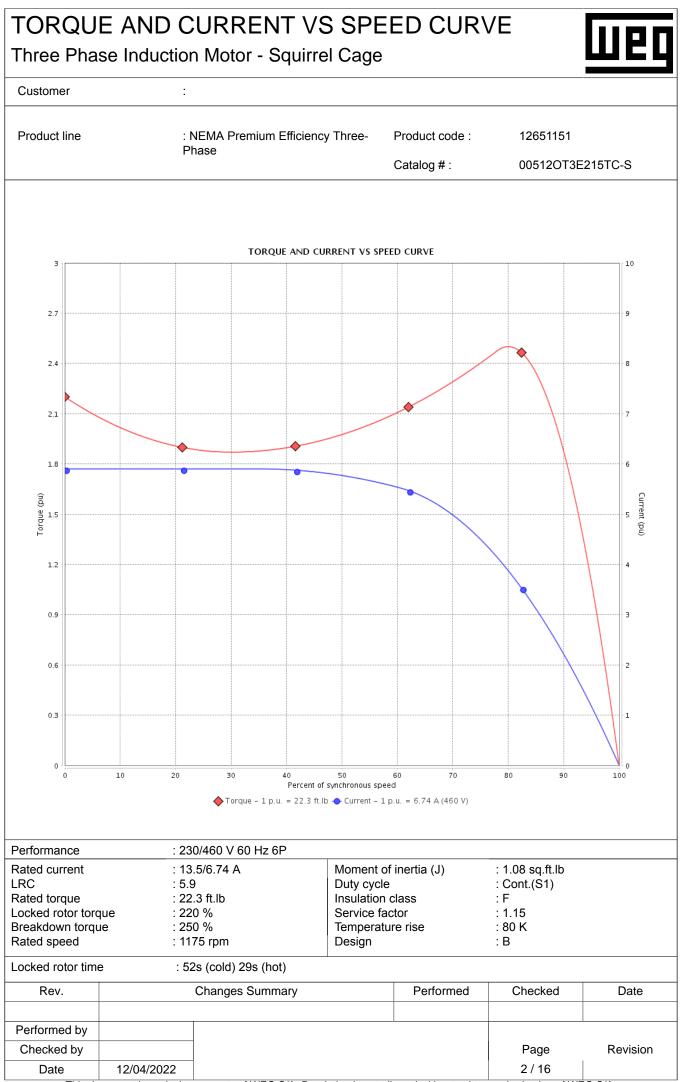
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Efficiency Phase		12651151	
			Catalog # :	00512OT3E215TC-S	
Frame Insulation class Duty cycle Ambient temperature Altitude Design		: 213/5TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : B	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)	: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 135 lb : 1.08 sq.ft.lb	
Output [HP]		5	5	5	
Poles		6	6	6	
Frequency [Hz]		60	50	50	
Rated voltage [V]		230/460	190/380	220/415	
Rated current [A]		13.5/6.74	16.3/8.16	14.8/7.86	
L. R. Amperes [A]		79.5/39.8	73.4/36.7	74.1/39.3	
LRC [A]		5.9x(Code H)	4.5x(Code E)	5.0x(Code F)	
No load current [A		7.10/3.55	7.00/3.50	7.21/3.82	
Rated speed [RPN	/I]	1175	960	965	
Slip [%]		2.08	4.00	3.50	
Rated torque [ft.lb		22.3	27.4	27.2	
Locked rotor torqu		220	160	190	
Breakdown torque	e [%]	250	190	210	
Service factor		1.15	1.15	1.15	
Temperature rise		80 K	80 K	80 K	
Locked rotor time		52s (cold) 29s (hot)	Os (cold) Os (hot)	Os (cold) Os (hot)	
Noise level ²	·	55.0 dB(A)	53.0 dB(A)	53.0 dB(A)	
	25%	88.3	89.2	88.0	
Efficiency (%)	50%	88.5	87.5	87.0	
Efficiency (%)	75%	89.5	87.2	87.4	
-	100%	89.5	85.1	86.0	
	25%	0.34	0.40	0.36	
Power Factor	50%	0.58	0.66	0.61	
	75%	0.70	0.76	0.73	
	100%	0.77	0.81	0.79	
Bearing type Sealing Lubrication inter- Lubricant amour Lubricant type		Drive end Non drive end 6208 ZZ 6206 ZZ Without Without Bearing Seal Bearing Seal - - - - Mobil Polyrex EM	Max. traction Max. compression	: 255 lb : 390 lb	
Notes USABLE @208V	′ 14.9A SF 1.				
must be eliminate (1) Looking the m (2) Measured at 1	ed. notor from the 1m and with t weight subjec ocess.	icel the previous one, which shaft end. olerance of +3dB(A). t to changes after		based on tests with sinusoidal ne tolerances stipulated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro-	ed. notor from the 1m and with t weight subjec ocess.	shaft end. olerance of +3dB(A).	power supply, subject to th		
must be eliminate (1) Looking the m (2) Measured at (3) Approximate v manufacturing pr (4) At 100% of ful Rev.	ed. notor from the 1m and with t weight subjec ocess.	shaft end. olerance of +3dB(A). t to changes after	power supply, subject to th MG-1.	ne tolerances stipulated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. notor from the 1m and with t weight subjec ocess.	shaft end. olerance of +3dB(A). t to changes after	power supply, subject to th MG-1.	ne tolerances stipulated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pr (4) At 100% of ful Rev.	ed. notor from the 1m and with t weight subjec ocess.	shaft end. olerance of +3dB(A). t to changes after	power supply, subject to th MG-1.	ne tolerances stipulated in NEMA	



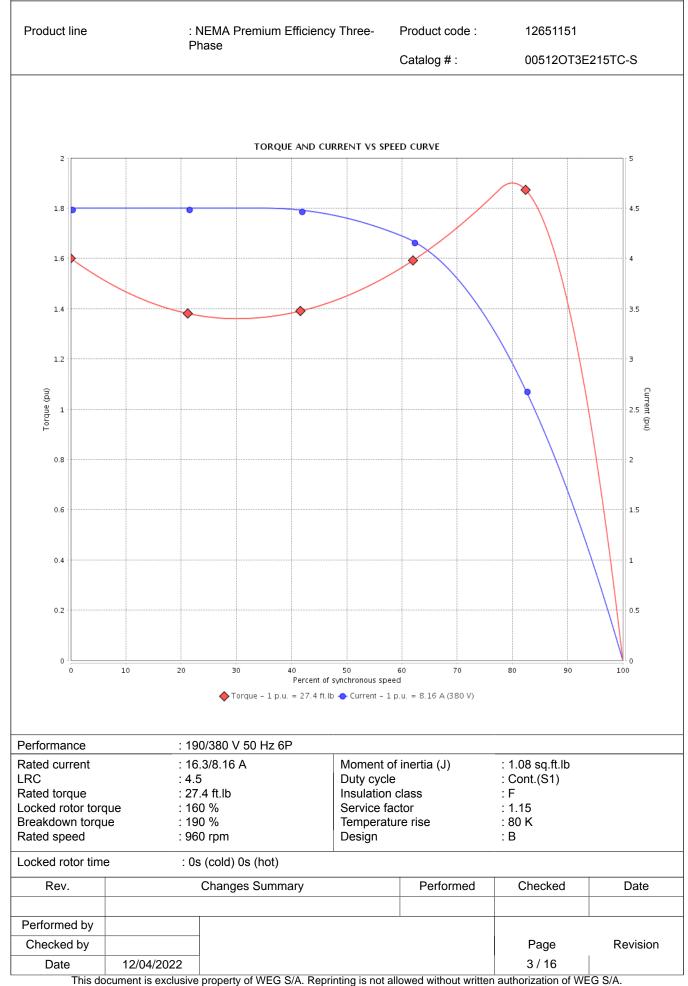
TORQUE AND CURRENT VS SPEED CURVE

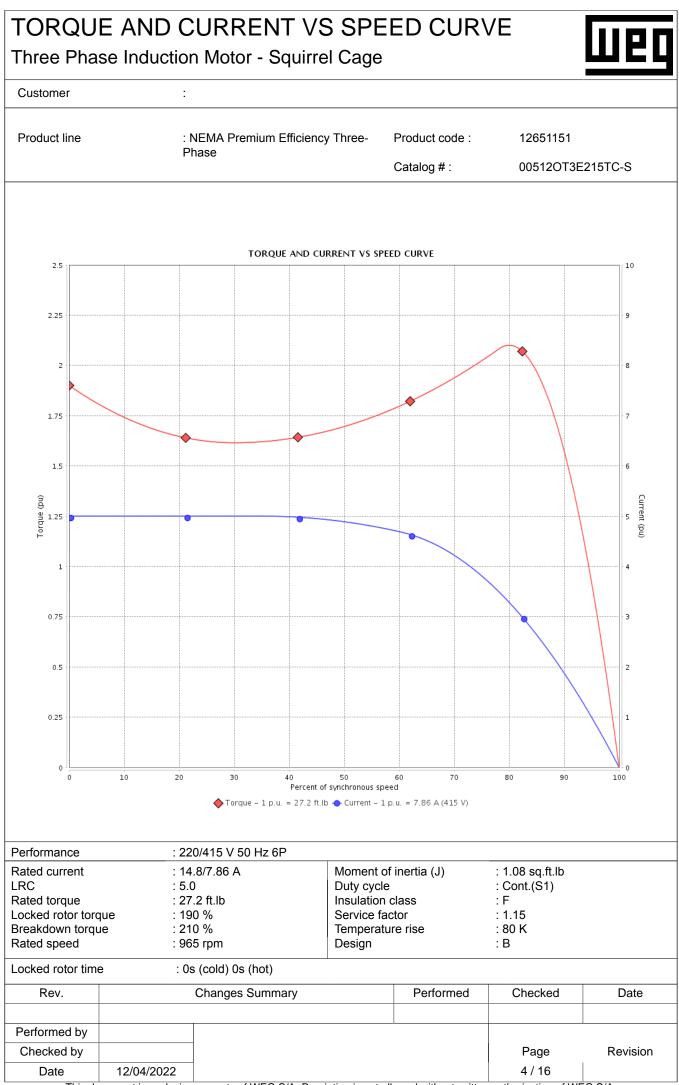
Three Phase Induction Motor - Squirrel Cage

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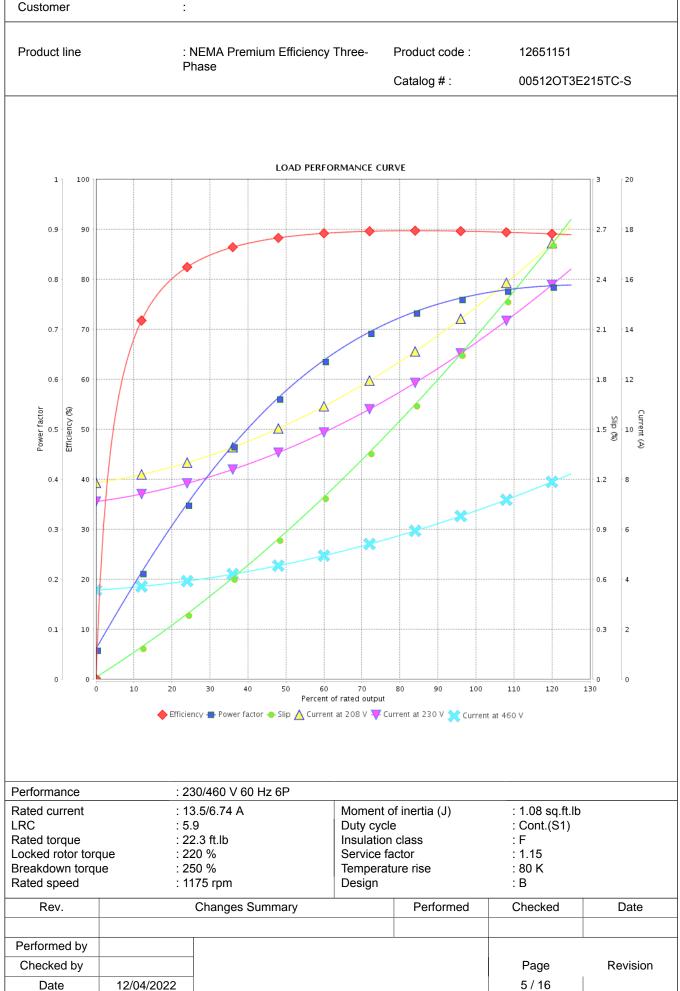




LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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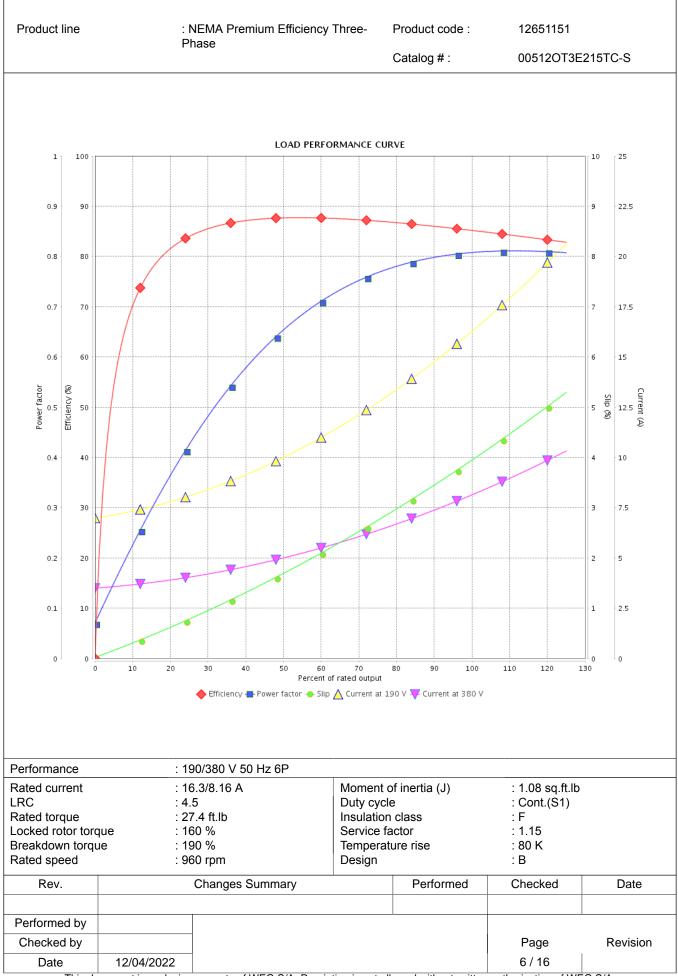
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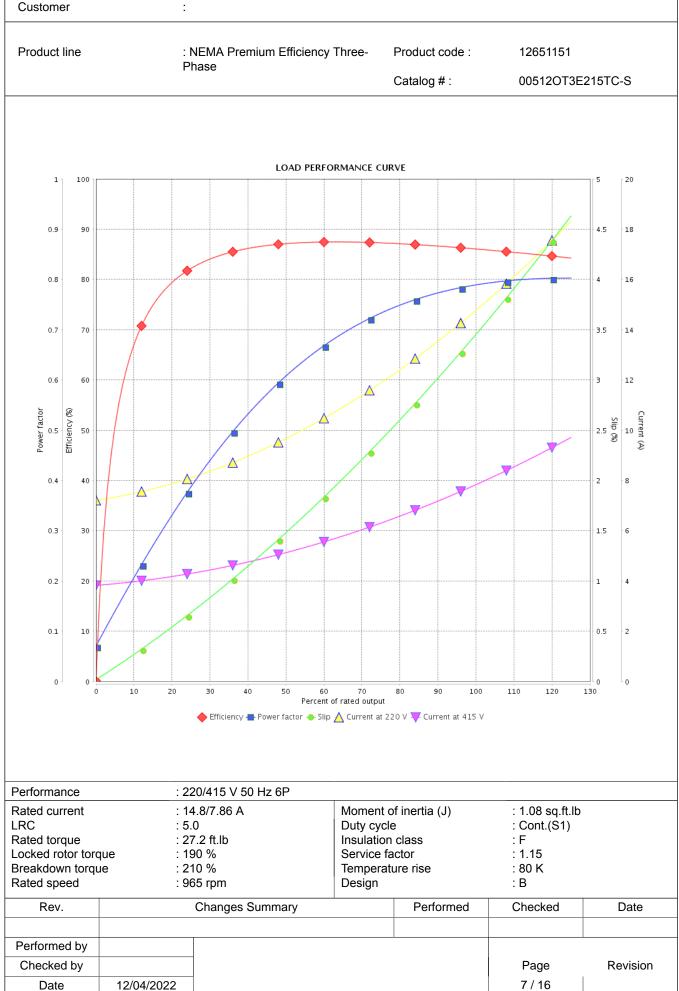
Customer



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Three Phase Induction Motor - Squirrel Cage

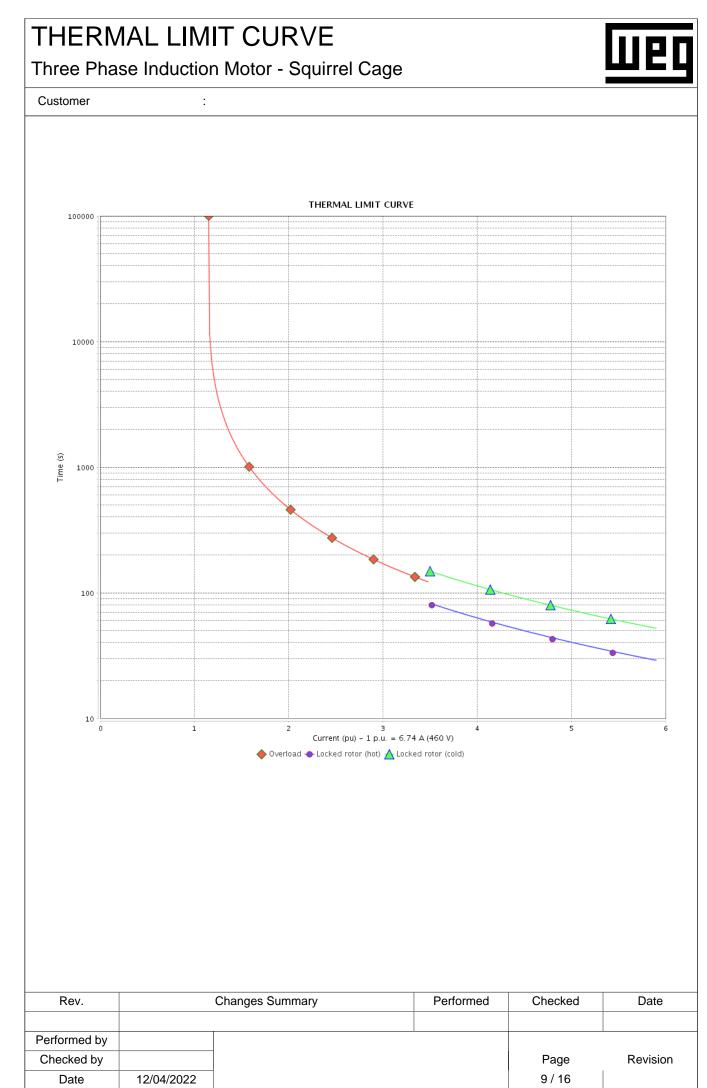
Customer



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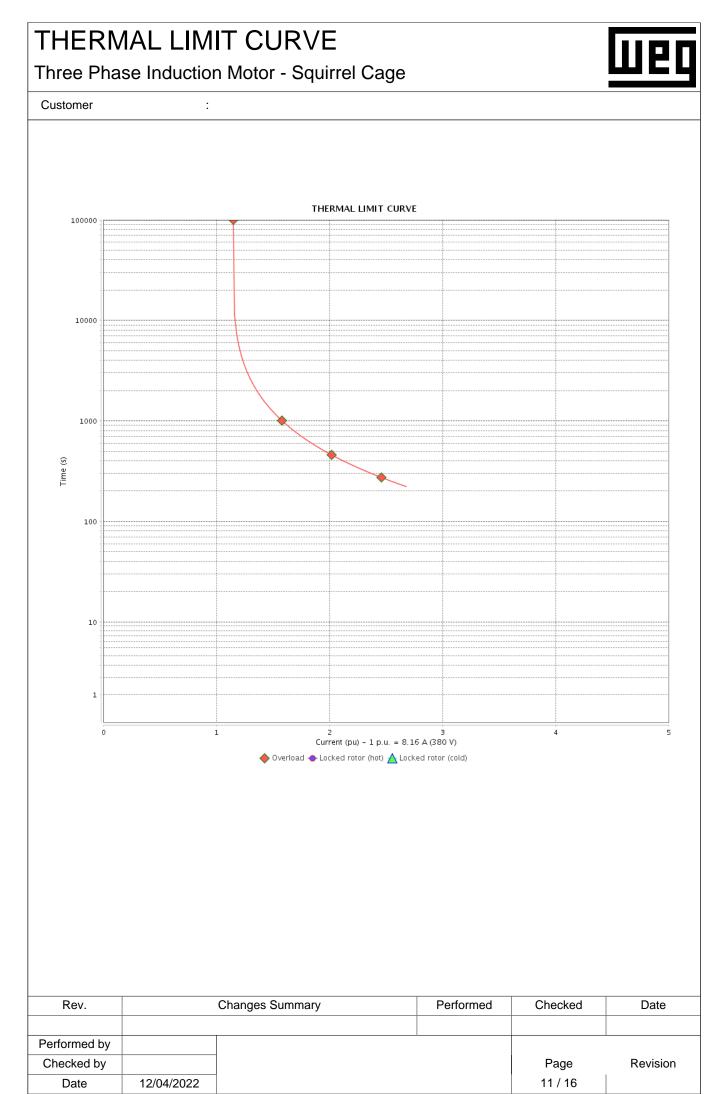
Customer	:		
roduct line	: NEMA Premium Efficiency Three- Phase	Product code :	12651151
	Fliase	Catalog # :	00512OT3E215TC-S

Performance : 230/460 V 60 Hz 6P							
LRC:Rated torque:Locked rotor torque:Breakdown torque:		: 13.5/6.74 A : 5.9 : 22.3 ft.lb : 220 % : 250 % : 1175 rpm	Duty cyc Insulatic Service	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.08 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant							
Cooling constant							
Rev.		Changes Summary	/	Performed	Checked	Date	
Performed by							
Checked by					Page	Revision	
Date	12/04/2022				8 / 16		



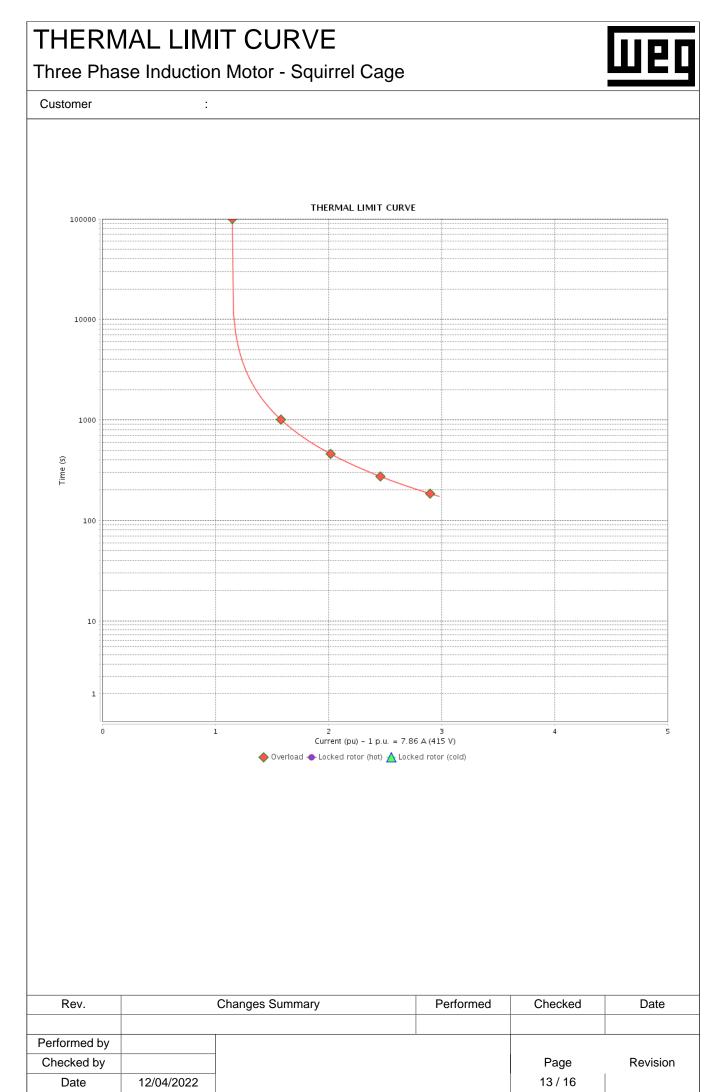
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage							
Customer	:						
Product line	: NEMA Premium Efficiency Three-	Product code :	12651151				
	Phase	Catalog # :	00512OT3E215TC-S				

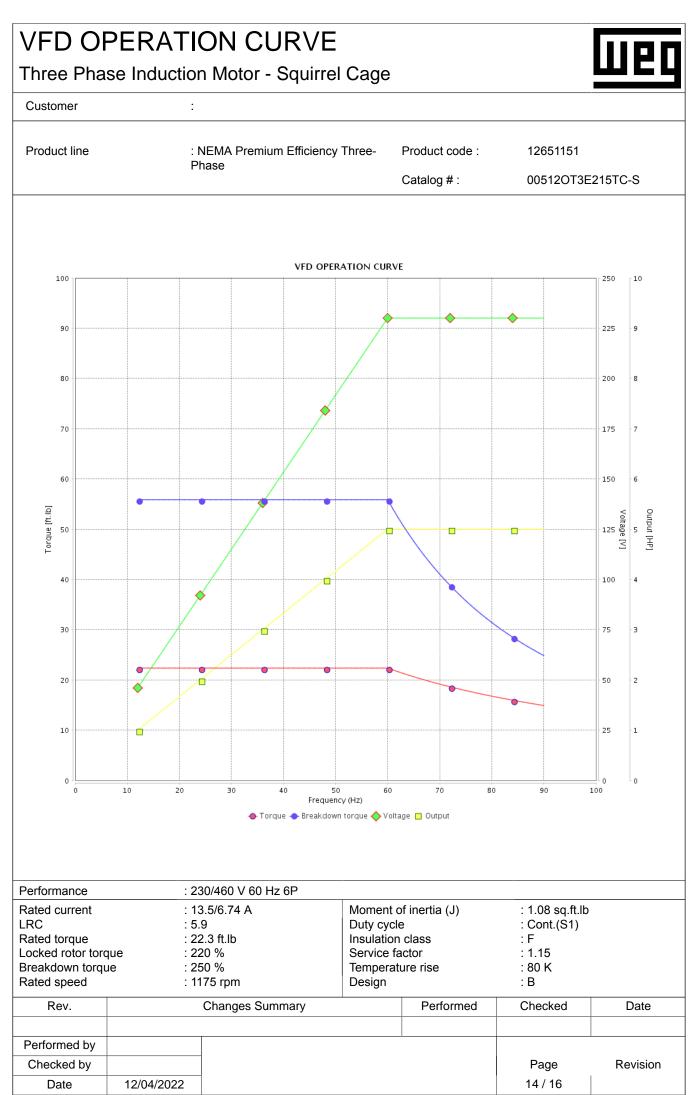
Performance : 190/380 V 50 Hz 6P					
Rated current : 16.3/8		Moment of inertia (J)		: 1.08 sq.ft.lb	
LRC : 4.5		Duty cycle	;	: Cont.(S1)	
Rated torque : 27.4 ft.lb		Insulation class		: F	
Locked rotor torgue : 160 %		Service fa	ctor	: 1.15	
Breakdown torque : 190 %		Temperatu	ure rise	: 80 K	
Rated speed : 960 rpm		Design		: B	
Heating constant					
Rev. Changes Summary			Performed	Checked	Date
				Page	Revision
12/04/2022]			10 / 16	
	: 1 : 4 : 2 ue : 1 e : 1 : 9	: 16.3/8.16 A : 4.5 : 27.4 ft.lb ue : 160 % e : 190 % : 960 rpm Changes Summary	: 16.3/8.16 A Moment o : 4.5 Duty cycle : 27.4 ft.lb Insulation ue : 160 % Service fa e : 190 % Temperatu : 960 rpm Design	: 16.3/8.16 A Moment of inertia (J) : 4.5 Duty cycle : 27.4 ft.lb Insulation class ue : 160 % e : 190 % : 960 rpm Design	: 16.3/8.16 A Moment of inertia (J) : 1.08 sq.ft.lb : 4.5 Duty cycle : Cont.(S1) : 27.4 ft.lb Insulation class : F ue : 160 % Service factor : 1.15 e : 190 % Temperature rise : 80 K : 960 rpm Design : B Changes Summary Performed Checked Page

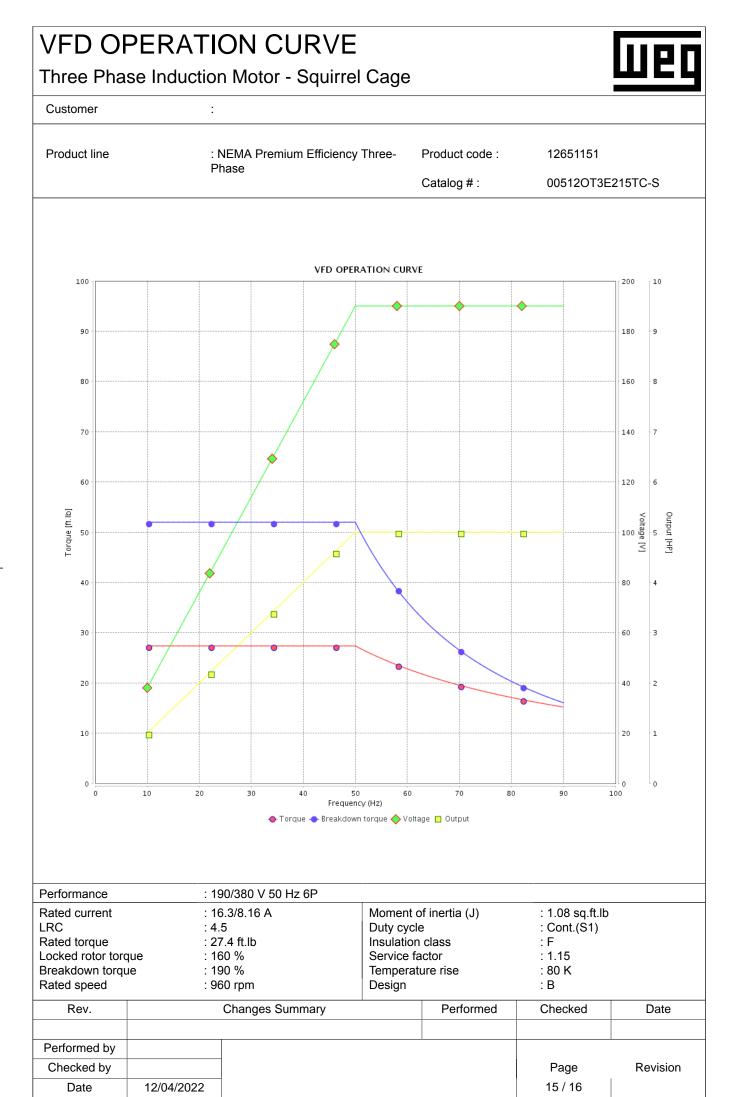


Customer	:		
roduct line	: NEMA Premium Efficiency Three- Phase	Product code :	12651151
	Fliase	Catalog # :	00512OT3E215TC-S

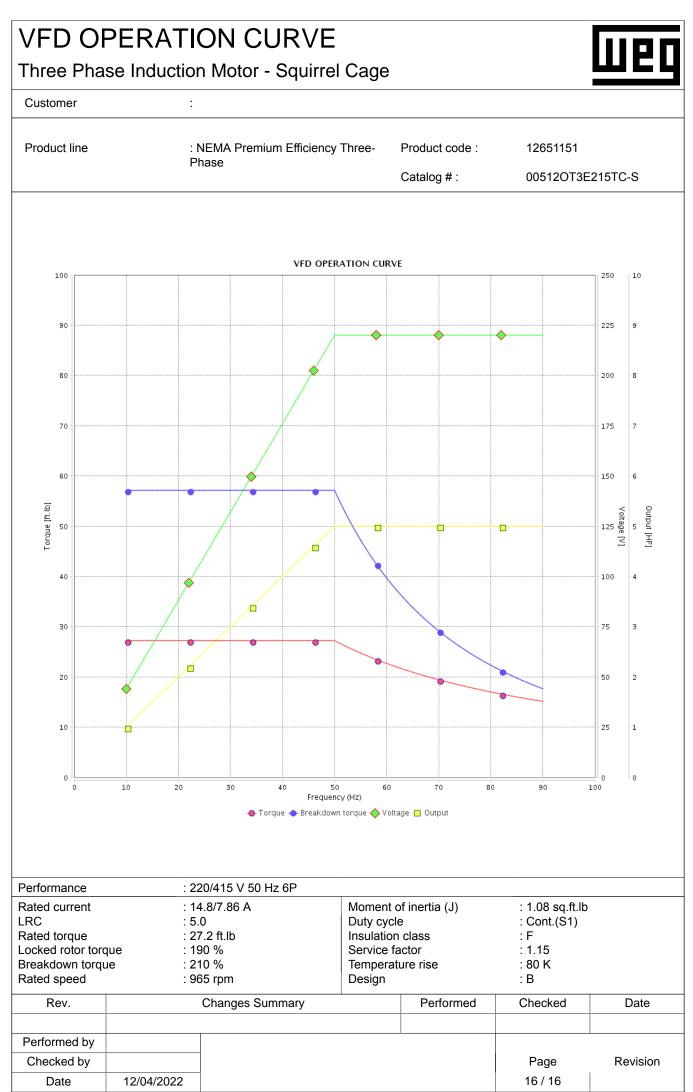
Performance : 220/415 V 50 Hz 6P						
Rated current : 14		4.8/7.86 A	7.86 A Moment of inertia (J)		: 1.08 sq.ft.lb	
LRC : 5.0		.0	Duty cycle		: Cont.(S1)	
Rated torque : 27.2		7.2 ft.lb	Insulation class		: F	
Locked rotor torque : 190 %		90 %	Service fa	ictor	: 1.15	
•		10 %	Temperature rise		: 80 K	
Rated speed : 96		65 rpm	Design		: B	
Heating constant						
Cooling constant	t					
Rev.	. Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				12 / 16	







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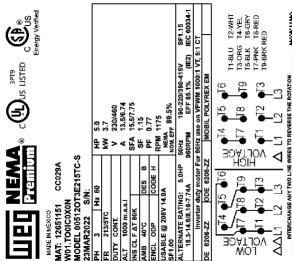
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					Mounting F-1/B		
E							
					ECM	LOC	SUMMARY OF MODIFICATIO
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	5 HP 06 Poles 60 H	Ηz			REL DT.	WM	

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ATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
OLLED STEEL PREM. EFF.		PREV				
DDP						A3
		WDD		шс		
Product Engineering		SHEET	1 / 1			XME
	I		l			

limensions in inch



choc électrique grave. Déconnectez l'alimentation avant l'entrefien de la machine conformément aux codes électriques locaux et nationaux afin d'éviter tout AVERTISSEMENT: Le moteur doit être mis à la terre

chocks. Disconnect power source before servicing unit.

WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical

