# DATA SHEET

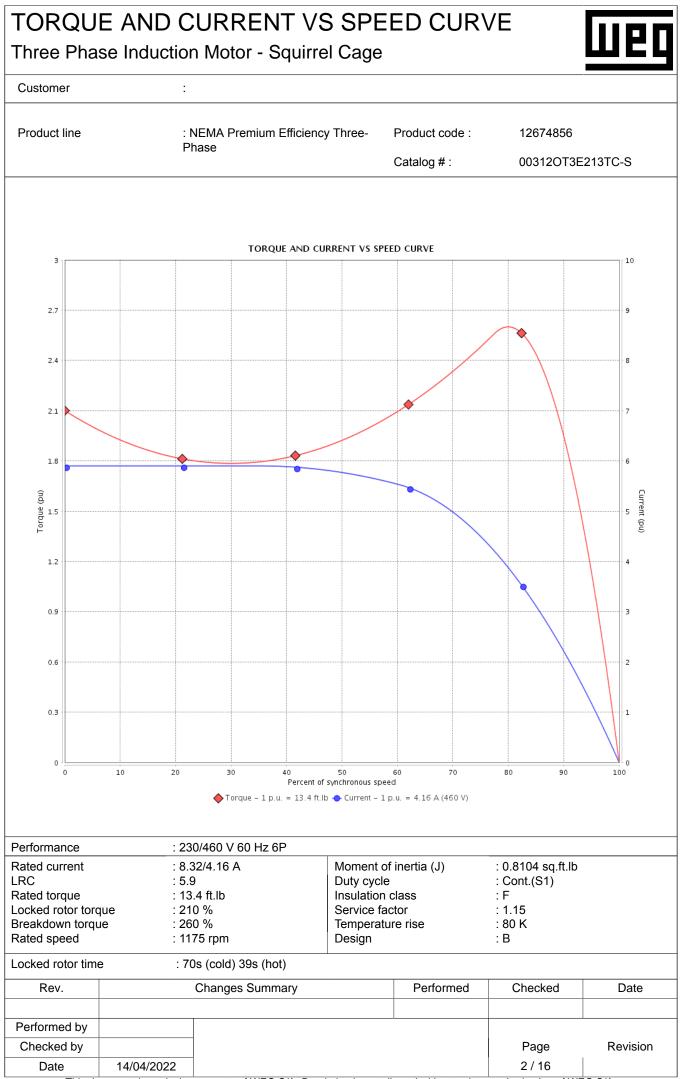
Three Phase Induction Motor - Squirrel Cage

:



#### Customer

Product line		: NEMA Premium Efficiency 1 Phase	Three- Product code :	12674856	
		1 11000	Catalog # :	00312OT3E213TC-S	
Frame		: 213/5TC	Cooling method	: IC01 - ODP	
Insulation class		: F	Mounting	: F-1	
Duty cycle		: Cont.(S1)	Rotation <sup>1</sup>	: Both (CW and CCW)	
Ambient temperature		: -20°C to +40°C	Starting method	: Direct On Line	
Altitude		: 1000 m.a.s.l.	Approx. weight <sup>3</sup>	: 98.3 lb	
Design		: B	Moment of inertia (J)	: 0.8104 sq.ft.lb	
Output [HP]		3	3	3	
Poles		6	6	6	
Frequency [Hz]		60	50	50	
Rated voltage [V]		230/460	190/380	220/415	
Rated current [A]		8.32/4.16	9.88/4.94	9.00/4.77	
L. R. Amperes [A]		49.1/24.5	45.4/22.7	45.9/24.3	
LRC [A]		5.9x(Code H)	4.6x(Code E)	5.1x(Code G)	
No load current [A	<b>\]</b>	4.58/2.29	4.52/2.26	4.60/2.44	
Rated speed [RPI	-	1175	965	970	
Slip [%]		2.08	3.50	3.00	
Rated torque [ft.lb	]	13.4	16.3	16.2	
Locked rotor torqu		210	160	180	
Breakdown torque		260	190	220	
Service factor		1.15	1.15	1.15	
Temperature rise		80 K	80 K	80 K	
Locked rotor time		70s (cold) 39s (hot)	Os (cold) Os (hot)	Os (cold) Os (hot)	
Noise level <sup>2</sup>		55.0 dB(A)	53.0 dB(A)	53.0 dB(A)	
	25%	85.4	86.9	85.9	
	50%	86.5	85.8	85.4	
Efficiency (%)	75%	87.5	86.1	86.3	
	100%	88.5	84.6	85.4	
	25%	0.33	0.38	0.35	
<b>-</b> -	50%	0.56	0.63	0.59	
Power Factor	75%	0.68	0.75	0.72	
	100%	0.75	0.80	0.78	
		Drive end Non drive end			
Bearing type		: 6208 ZZ 6206 ZZ	Max. traction	: 152 lb	
Sealing		: Without Without	Max. compression	: 250 lb	
Jeaning		Bearing Seal Bearing Sea		. 200 10	
Lubrication inter	val	·			
Lubricant amour					
Lubricant type	-	: Mobil Polyrex EM			
,,					
Notes USABLE @208V	′ 9.20A SF 1.	00 SFA 9.20A			
must be eliminate (1) Looking the m (2) Measured at	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		s based on tests with sinusoidal he tolerances stipulated in NEMA	
manufacturing pr					
manufacturing pr (4) At 100% of fu			De afermente al	Checked Date	
manufacturing pr		Changes Summary	Performed	Checked Date	
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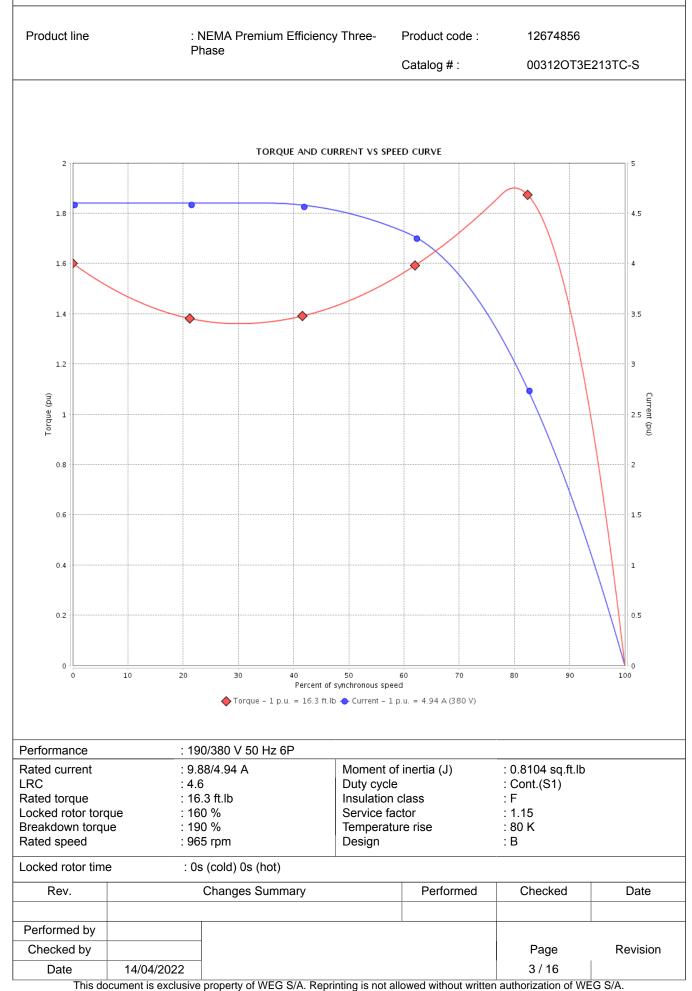
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

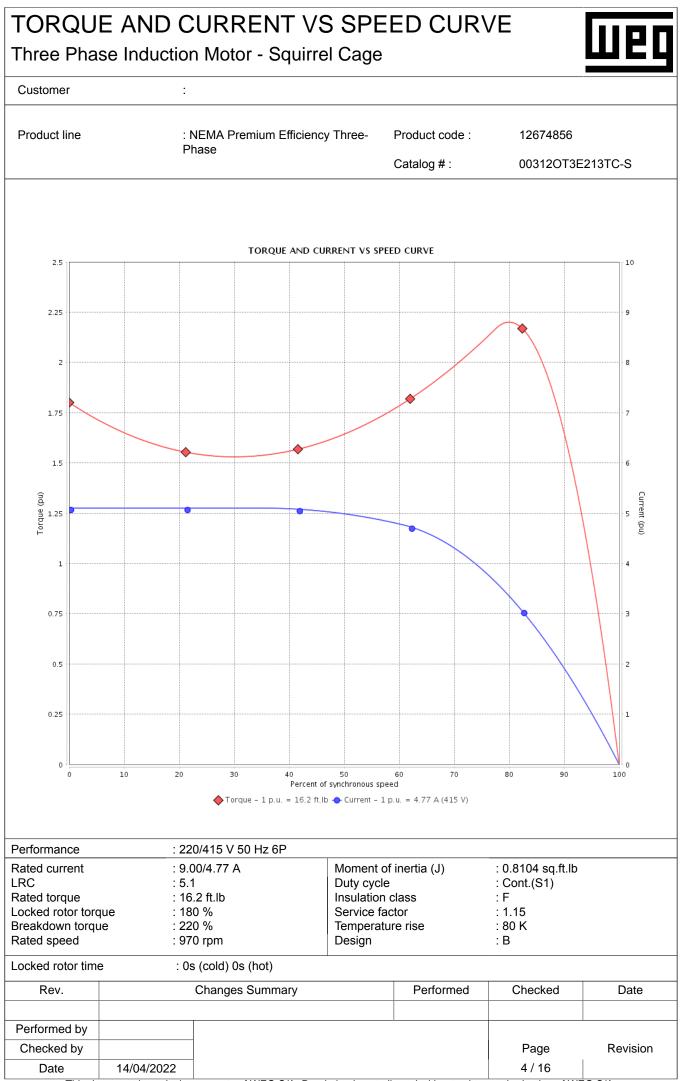
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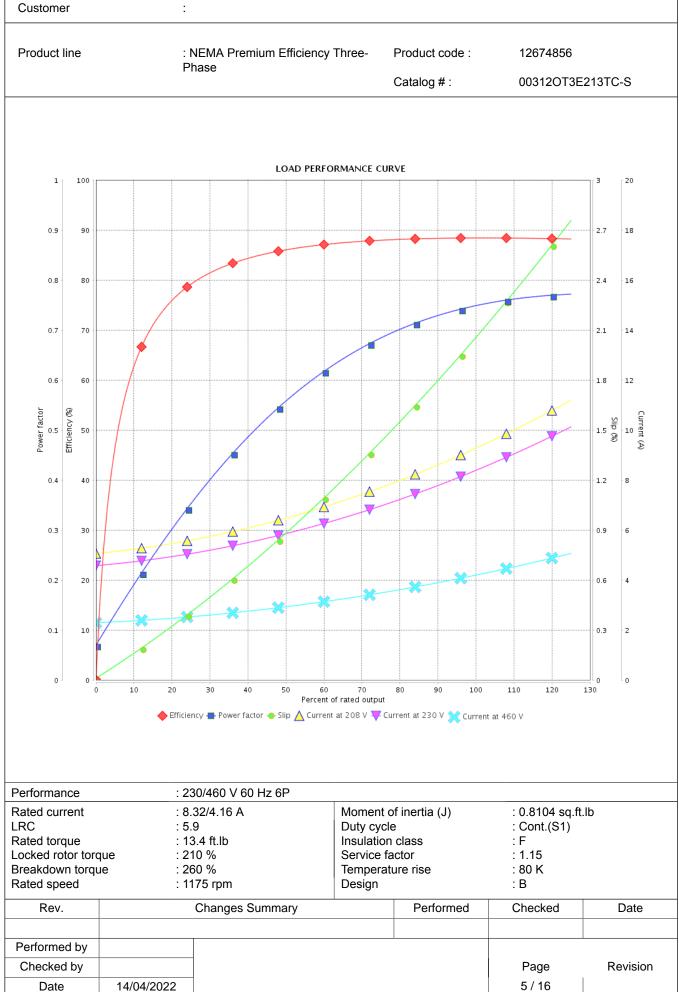
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



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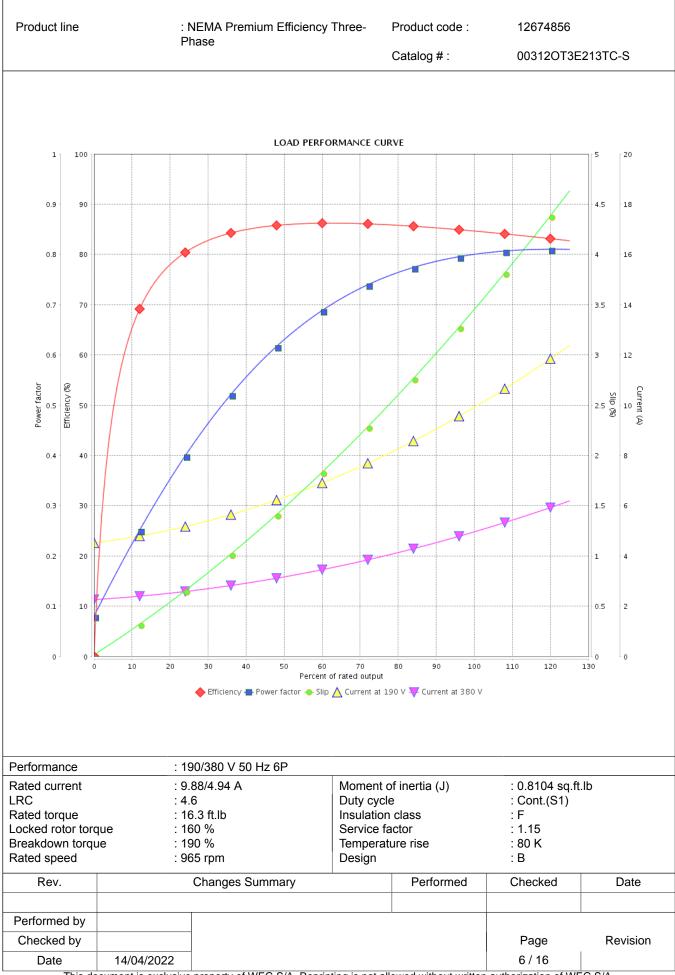
### LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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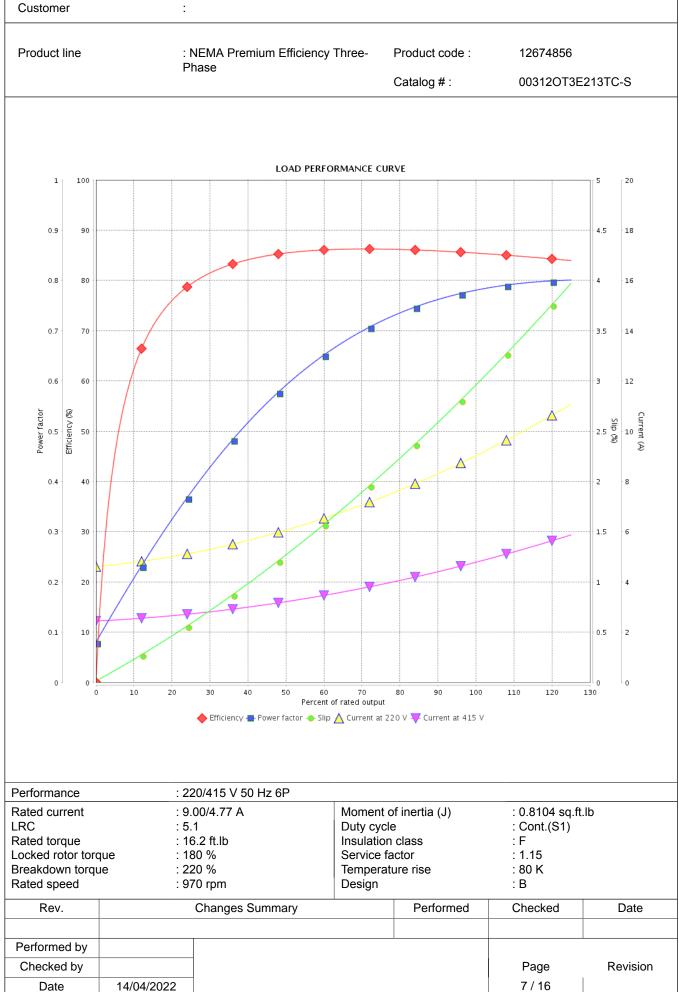
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

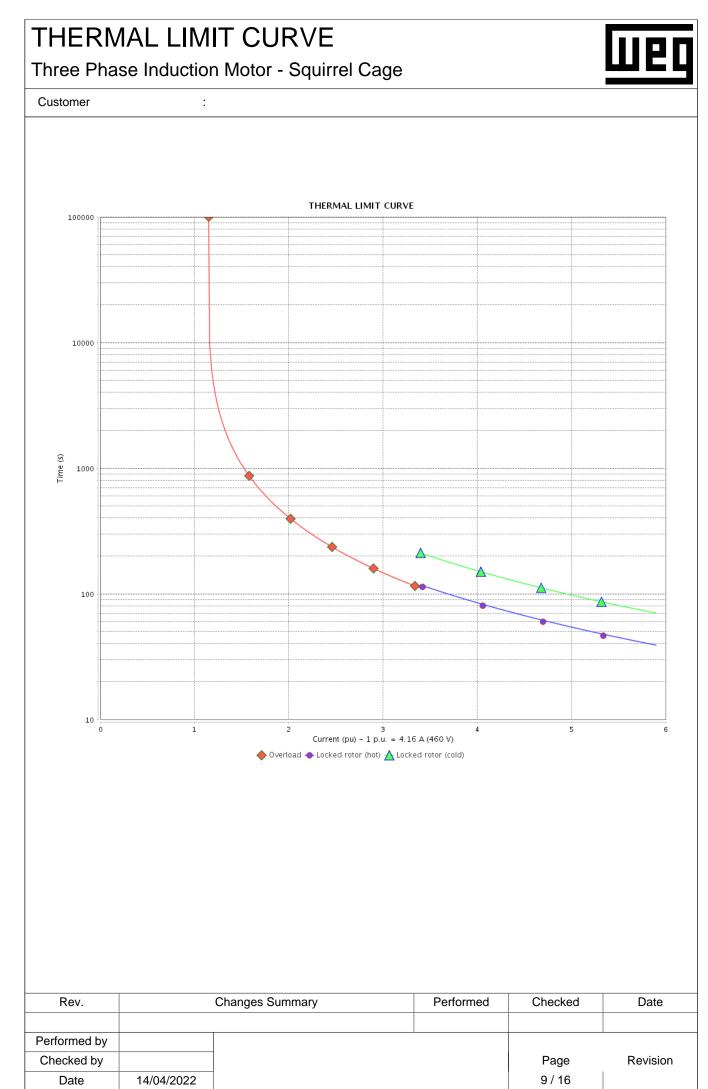
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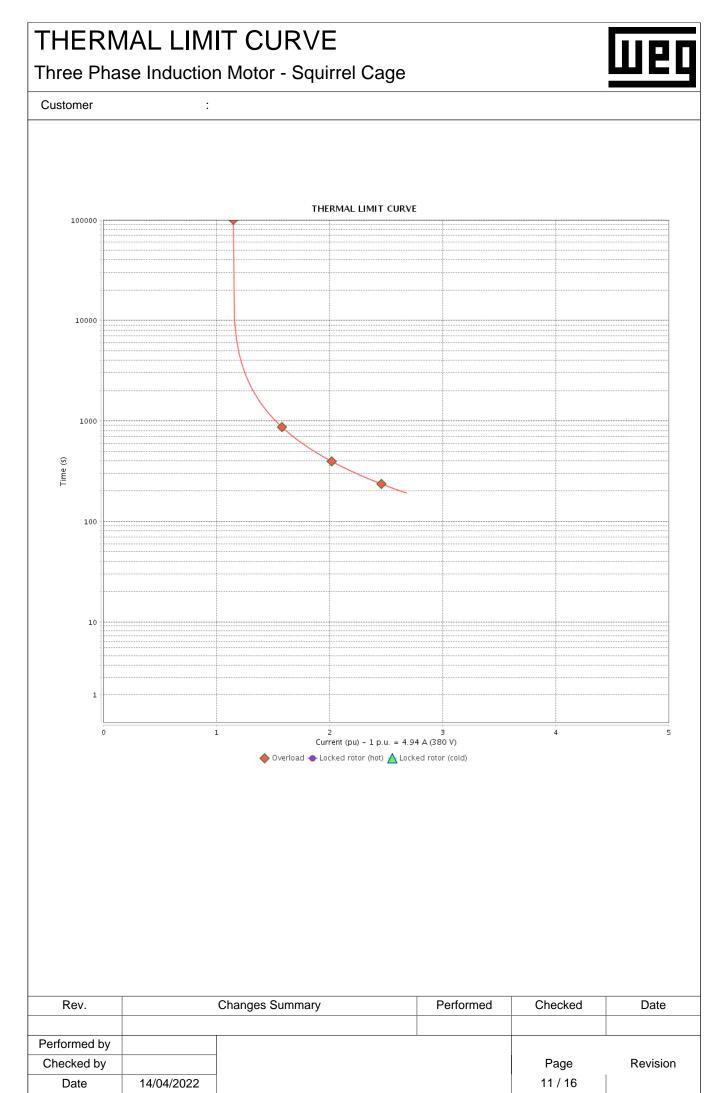
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage					
Customer		,			
Product line	: NEMA Premium Efficiency Three- Phase	Product code : Catalog # :	12674856 00312OT3E213TC-S		

Fenomance	. 2	30/400 V 00 HZ 0F				
Rated current: 8.32/4.16 ALRC: 5.9Rated torque: 13.4 ft.lbLocked rotor torque: 210 %Breakdown torque: 260 %Rated speed: 1175 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.8104 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
Heating constan	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						·
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Date	14/04/2022				8 / 16	



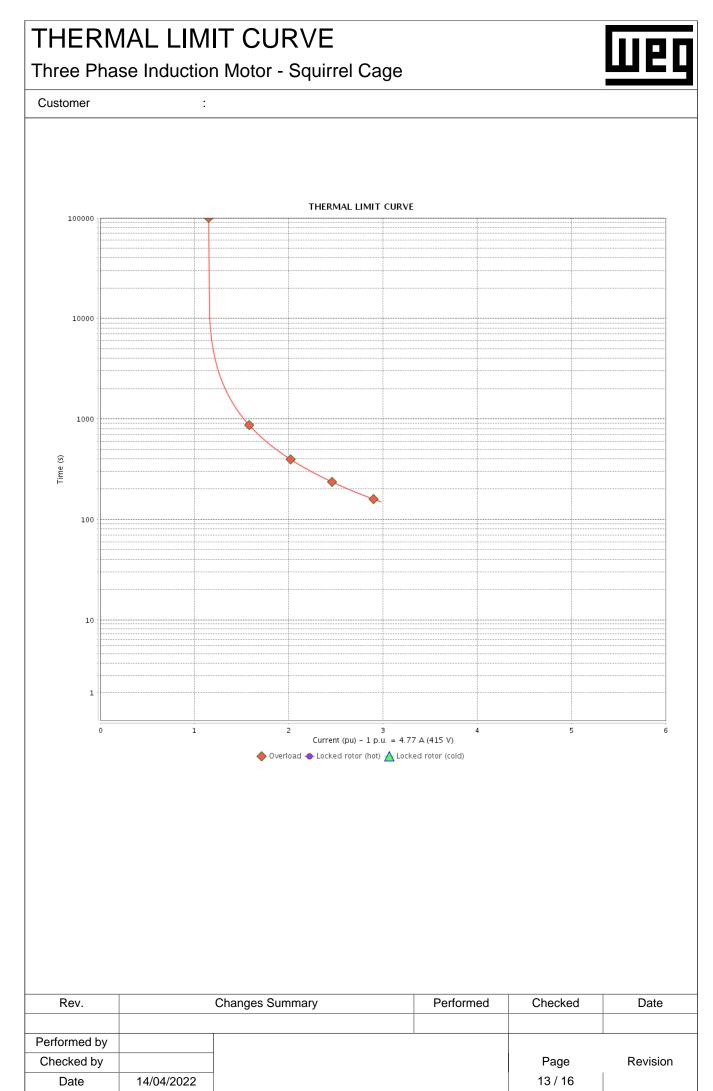
THERMAL LIMIT CURVE         Three Phase Induction Motor - Squirrel Cage						
Customer	:					
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12674856			
		Catalog # :	00312OT3E213TC-S			

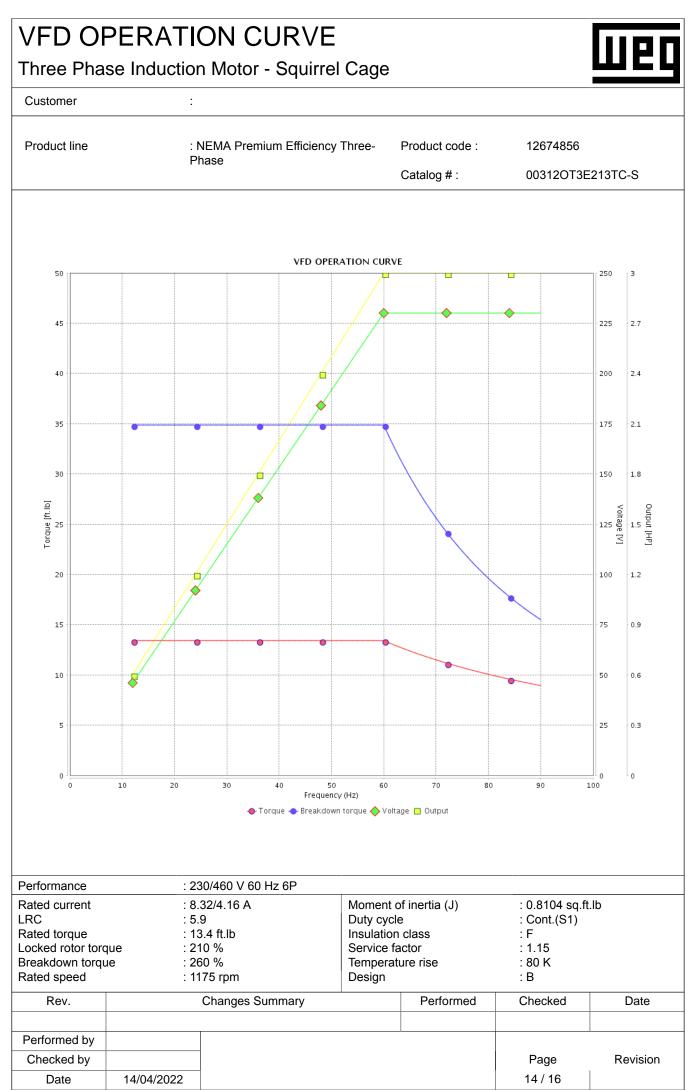
Performance	: 19	90/380 V 50 Hz 6P				
Rated current: 9.88/4.94 ALRC: 4.6Rated torque: 16.3 ft.lbLocked rotor torque: 160 %Breakdown torque: 190 %Rated speed: 965 rpm		6 5.3 ft.lb 50 % 90 %	Duty cycle:Insulation class:Service factor:Temperature rise:		: 0.8104 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant	t					
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Date	14/04/2022				10 / 16	



IHERMAL LIMIT CURVE         Three Phase Induction Motor - Squirrel Cage							
:							
: NEMA Premium Efficiency Three-	Product code :	12674856					
FildSe	Catalog # :	00312OT3E213TC-S					
: 220/415 V 50 Hz 6P : 9.00/4.77 A Mome	nt of inertia (J)	: 0.8104 sq.ft.lb					
	: NEMA Premium Efficiency Three- Phase	:         :       Product code :         Phase       Catalog # :					

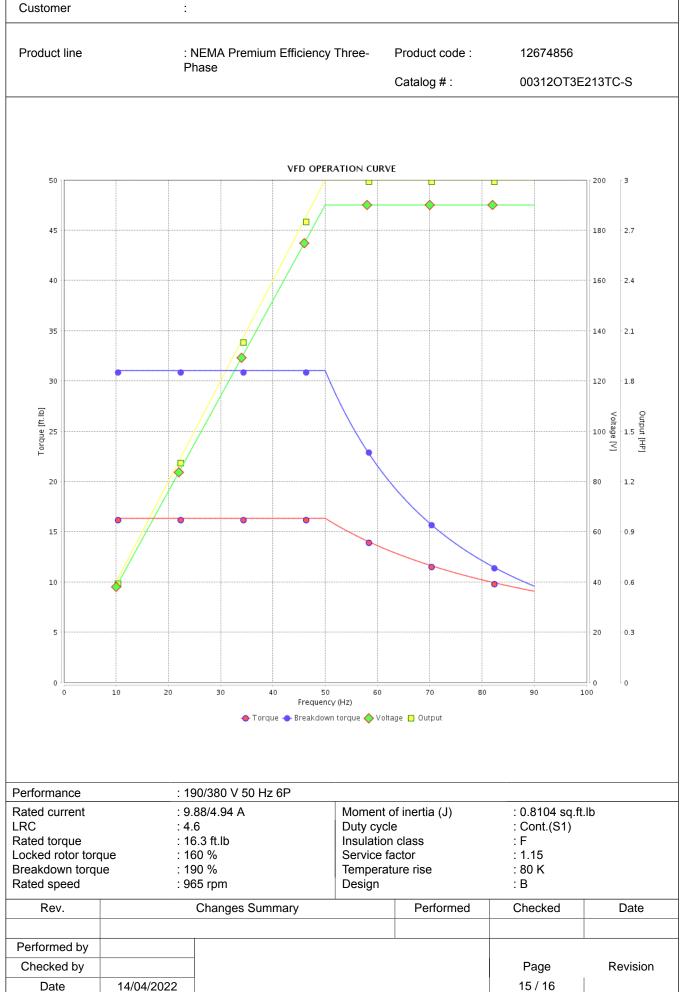
Rated current: 9.00/4.77 ALRC: 5.1Rated torque: 16.2 ft.lbLocked rotor torque: 180 %Breakdown torque: 220 %Rated speed: 970 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.8104 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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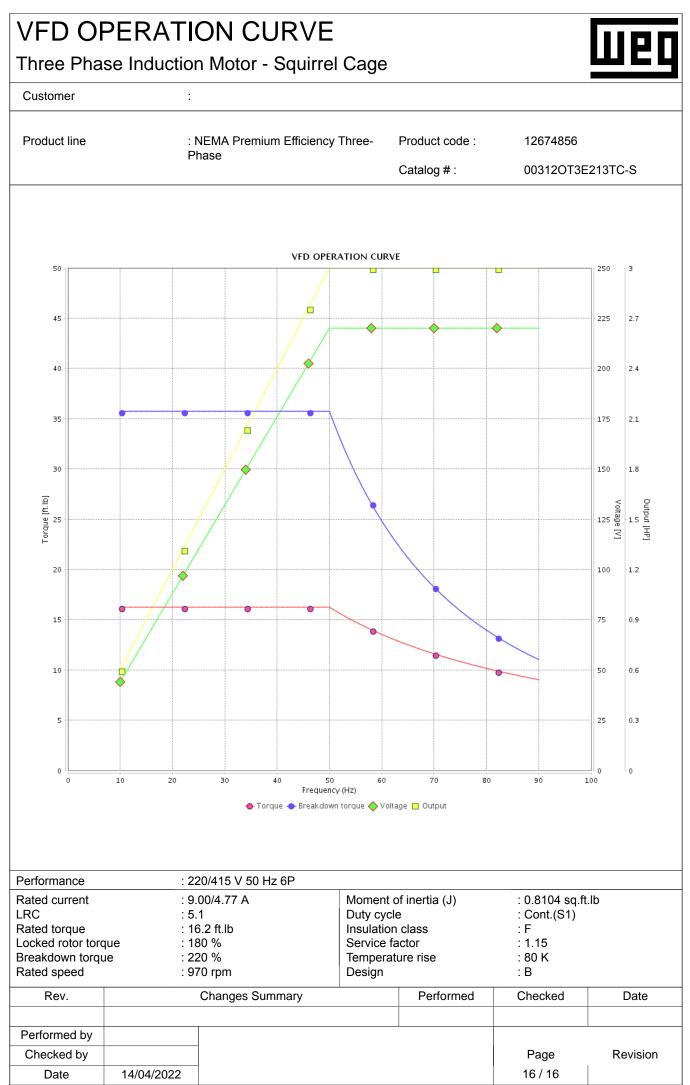


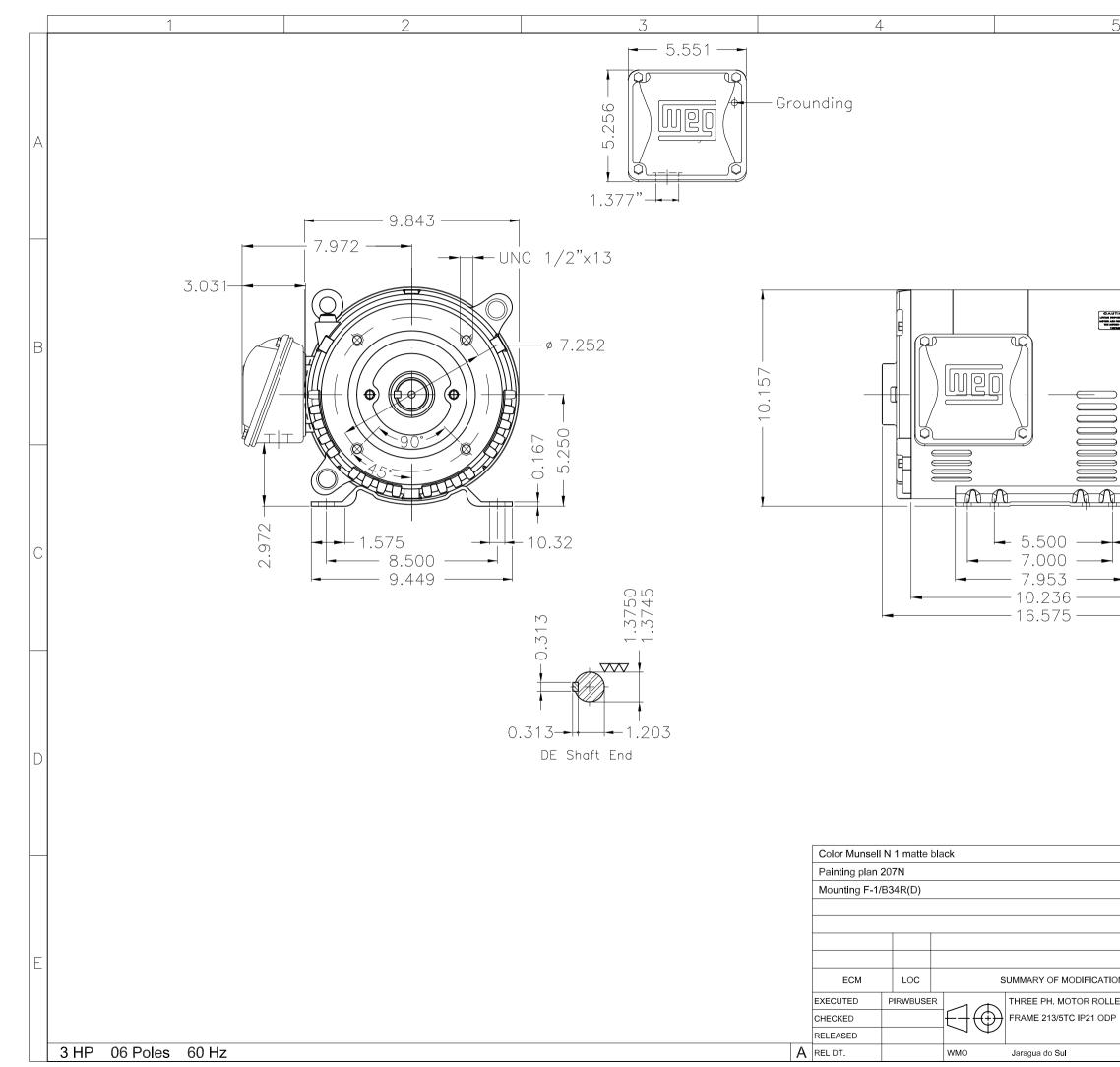












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