DATA SHEET

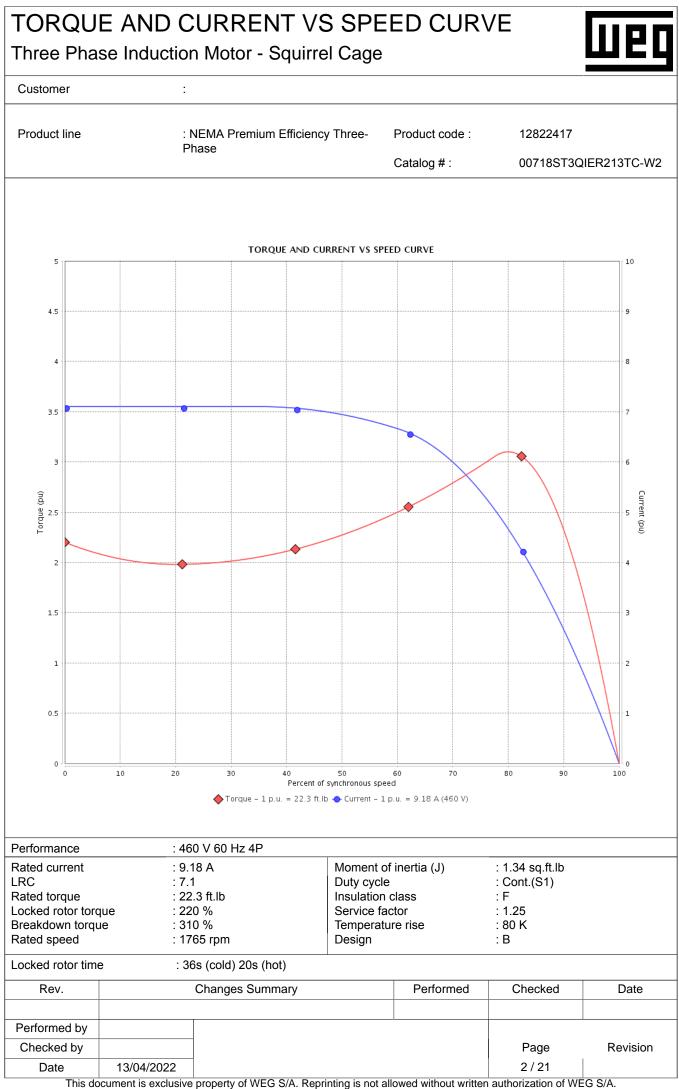
Three Phase Induction Motor - Squirrel Cage

:



Customer

Frame : 213TC Insulation class : F Cooling method : IC411 - TEFC Duty cycle : Cont.(S1) Rotation* :: Both (CW and CCW) Ambient temperature : 1000 m.a.s.l. Rotation* :: Both (CW and CCW) Protection degree :: IP55 Stating method :: IT22 lb Dutput [HP] 7.5 7.5 7.5 7.5 Protection degree :: IP55 IT3 Moment of inertia (J) :: 1.34 sq.ft.lb Dutput [HP] 7.5 7.5 7.5 7.5 7.5 Stated voltage [V] 460 380 400 415 4 A 4 4 4 4 4 4 4 Requence [A] 9.18 11.0 10.5 10.3 10.3 R Amperes [A] 65.2 61.6 65.1 69.0 64.4 4 4 4 4 4 4 4 4 4 4 4 4	Product line : NEMA Premium Efficiency Three- Product code : 12822417					417		
Insulation class : F Mounting : W-6 Ambient temperature : 20°C to +40°C Approx.weight : 172 lb Ambient temperature : 20°C to +40°C Starting method : Direct On Line Protection degree : IP55 7.5 7.5 7.5 Datput [HP] 7.5 7.5 7.5 7.5 Trequency [Hz] 60 50 50 50 Stated oursent [A] 9.18 11.0 10.5 10.3 R. Amperes [A] 655.2 61.6 65.1 69.0 Ated order [RPM] 17.1x(Code H) 5.8x(Code F) 6.2x(Code G) 6.7x(Code H) Stated speed [RPM] 17.65 1.455 1.460 1460 Stated speed [RPM] 17.65 1.25 1.26 1.27 Stated speed [RPM] 17.65 1.455 1.460 1460 State speed [RPM] 17.65 1.25 1.25 1.25 1.25 State speed [RPM] 17.6 6.0 d B(A) 56.0 d B(A) 56.0 d B(A)			Phase		Cat	talog # :	00718ST3QIER213TC-W2	
Dutput [HP] 7.5 7.5 7.5 7.5 7.5 Foles 4 4 4 4 4 4 reguency [Hz] 60 50 50 50 tated vortent [A] 9.18 11.0 10.5 10.3 .R. Amperes [A] 65.2 61.6 65.7(Code G) 6.7x(Code G) KC [A] 7.1x(Code H) 5.6x(Code F) 6.2x(Code G) 6.7x(Code H) totad current [A] 4.40 4.00 4.30 4.55 tated orgue [Th] 1.94 3.00 2.67 2.67 tated torgue [Th] 22.3 27.1 27.0 2.90 service factor 1.25 1.25 1.25 1.25 1.25 ervice factor 1.25 <td< td=""><td colspan="2">Insulation class Duty cycle Ambient temperature Altitude Protection degree</td><td colspan="2">: F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55</td><td colspan="2">Mounting Rotation¹ Starting method Approx. weight³</td><td colspan="2">: W-6 : Both (CW and CCW) : Direct On Line : 172 lb</td></td<>	Insulation class Duty cycle Ambient temperature Altitude Protection degree		: F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55		Mounting Rotation ¹ Starting method Approx. weight ³		: W-6 : Both (CW and CCW) : Direct On Line : 172 lb	
objes 4 <td>-</td> <td></td> <td>7.5</td> <td> </td> <td>7.5</td> <td>7.</td> <td>5</td> <td>7.5</td>	-		7.5		7.5	7.	5	7.5
Safed voltage [V] 460 380 400 415 Sated current [A] 9.18 11.0 10.5 10.3 R. Amperes [A] 65.2 61.6 65.1 68.0 RC [A] 7.1X(Code H) 5.5X(Code F) 6.2x(Code G) 6.7X(Code H) iso load current [A] 4.40 4.00 4.30 4.55 Stated speed [RPM] 1765 1455 1460 1460 Nig [%] 1.94 3.00 2.67 2.67 Stated torque [%] 22.3 27.1 27.0 27.0 ocked toror torque [%] 22.0 17.0 190 210 feeddown torque [%] 310 240 270 280 iernize factor 1.25 1.25 1.25 1.25 1.25 iernize factor 1.25 1.25 1.25 1.25 0.2 0.0 iernize factor 1.25 0.40 0.47 0.43 0.4(A) foise level? 580.6 89.5 90.2	Poles							
Sated voltage [V] 460 380 400 415 Sated current [A] 9.18 11.0 10.5 10.3 .R. Amperes [A] 65.2 61.6 65.1 69.0 .R. [A] 7.1x(Code H) 5.5x(Code F) 6.2x(Code G) 6.7x(Code H) to load current [A] 4.40 4.00 4.30 4.55 Sated speed [RPM] 1765 1455 1460 1460 Sated speed [RPM] 1765 1455 1460 1460 Sated speed [RPM] 122.3 27.1 27.0 27.0 cocked rotor torque [%] 210 770 190 210 readown torque [%] 310 240 270 280 Service factor 1.25 1.25 1.25 1.25 1.25 Gato storo time 385 (cold) 20s (hot) 275 (cold) 156 (hot) 275 (cold) 156 (hot) 275 (cold) 156 (hot) Ioise level* 58.0 68.2 89.2 89.2 89.2 Efficiencry (%) 50% 0.66 <td></td> <td></td> <td>60</td> <td></td> <td>50</td> <td>50</td> <td>0</td> <td>50</td>			60		50	50	0	50
Rated current [A] 9.18 11.0 10.5 10.3 R. Amperes [A] 66.2 61.6 66.1 69.0 R.C [A] 7.1x(Code H) 5.6x(Code F) 6.2x(Code G) 6.7x(Code H) Jo lead current [A] 4.40 4.00 4.30 4.55 atted speed [RPM] 1766 1455 14460 1460 Jated torque [RM] 1.94 3.00 2.67 2.67 Jated torque [K] 22.3 27.1 27.0 27.0 Jocked rotor torque [K] 22.3 1.25 1.25 1.25 reakdown torque [K] 310 240 270 290 Service factor 1.25 1.25 1.25 1.25 emperature rise 80 K 80 K 80 K 80 K 80 K ocked rotor time 365 (coid) 20s (hot) 27s (coid) 15s (hot) 27s (coid) 15s (hot) 27s (coid) 15s (hot) 27s (coid) 15s (hot) ocked rotor time 360 G3 69.2 89.2 89.2 89.2 89.2 89.2 <td></td> <td></td> <td>460</td> <td></td> <td></td> <td>40</td> <td>0</td> <td></td>			460			40	0	
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Emperature rise 80 K 80 L	Service factor							
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25% 88.6 89.2 89.2 89.2 89.2 Efficiency (%) 75% 91.0 89.5 89.5 90.2 90.2 Power Factor 50% 0.40 0.47 0.43 0.41 Power Factor 50% 0.66 0.72 0.69 0.66 75% 0.76 0.81 0.78 0.76 100% 0.82 0.85 0.84 0.82 Bearing type : 6308 C3 6207 C3 Max. traction : 355 lb Sealing : Inpro/Seal Inpro/Seal Max. compression : 527 lb Lubricant amount : 11 g 7 g Max. traction : 527 lb Notes . Mobil Polyrex EM Max. traction : 527 lb Notes . Mobil Polyrex EM Max. traction : 527 lb Notes Chocking the motor from the shaft end. 	Noise level ²							
Efficiency (%) 50% 89.5 89.5 89.5 89.5 89.5 89.5 89.5 90.2		25%						
Efficiency (%) 75% 91.0 89.5 90.2 90.2 100% 91.7 89.6 90.2 90.2 Power Factor 50% 0.40 0.47 0.43 0.41 Power Factor 50% 0.66 0.72 0.69 0.66 75% 0.76 0.81 0.78 0.76 100% 0.82 0.85 0.84 0.82 Bearing type : 6308 C3 6207 C3 Max. traction : 355 lb Sealing : Inpro/Seal Inpro/Seal Max. compression : 527 lb Lubrication interval : 19000 h 20000 h Max. compression : 527 lb Notes Mobil Polyrex EM Mobil Polyrex EM Max. compression : 527 lb Notes . Mobil Polyrex EM Mcs. . . Vi Lociant anout (1) Looking the motor from the shaft end. </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
100% 91.7 89.6 90.2 90.2 25% 0.40 0.47 0.43 0.41 50% 0.66 0.72 0.69 0.66 75% 0.76 0.81 0.78 0.76 100% 0.82 0.85 0.84 0.82 Bearing type : 6308 C3 6207 C3 Max. traction : 355 lb Sealing : Inpro/Seal Inpro/Seal Max. compression : 527 lb Lubricant amount : 11 g 7 g Mobil Polyrex EM Max. compression : 527 lb Notes : Mobil Polyrex EM Mobil Polyrex EM Max. compression : 527 lb Notes : : Mobil Polyrex EM Max. compression : 527 lb Notes : : : : : : (1) Looking the motor from the shaft end. : : : : : (2) Measured at 1m and with tolerance of +3dB(A). : : : :<	Efficiency (%)							
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Power Factor 50% 0.66 0.72 0.69 0.66 75% 0.76 0.81 0.78 0.76 100% 0.82 0.85 0.84 0.82 Bearing type : 6308 C3 6207 C3 Max. traction : 355 lb Sealing : Inpro/Seal Inpro/Seal Max. traction : 355 lb Lubrication interval : 19000 h 20000 h Max. compression : 527 lb Lubricant amount : 11 g 7 g Max. compression : 527 lb Notes Mobil Polyrex EM Max. compression : 527 lb Max. compression This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1. (2) Measured at 1m and with tolerance of +3dB(A). G3 Approximate weight subject to changes after manufacturing process. Mc4. Mc4. (4) At 100% of full load. Encoded the previous on the staft end. Performed Checked Date Performed by								
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Drive end Bearing type Drive end 6308 C3 Non drive end 6207 C3 Foundation loads Sealing Inpro/Seal Inpro/Seal Max. traction : 355 lb Lubrication interval 19000 h 20000 h Max. compression : 527 lb Lubricant amount : 11 g 7 g Max. compression : 527 lb Notes Mobil Polyrex EM Mobil Polyrex EM Notes Notes Notes This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. MG-1. (2) Measured at 1m and with tolerance of +3dB(A). MG-1. MG-1. (3) Approximate weight subject to changes after manufacturing process. Performed Checked Date Performed by								
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must be eliminated. power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. power supply, subject to the tolerances stipulated in NEMA (2) Measured at 1m and with tolerance of +3dB(A). MG-1. (3) Approximate weight subject to changes after manufacturing process. MG-1. (4) At 100% of full load. Performed Checked Date Performed by Page Revision	Notes		•		1			
Performed by Page Revision	must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with t veight subjec ocess.	shaft end. olerance of +3dB(A).	hich	power suppl			
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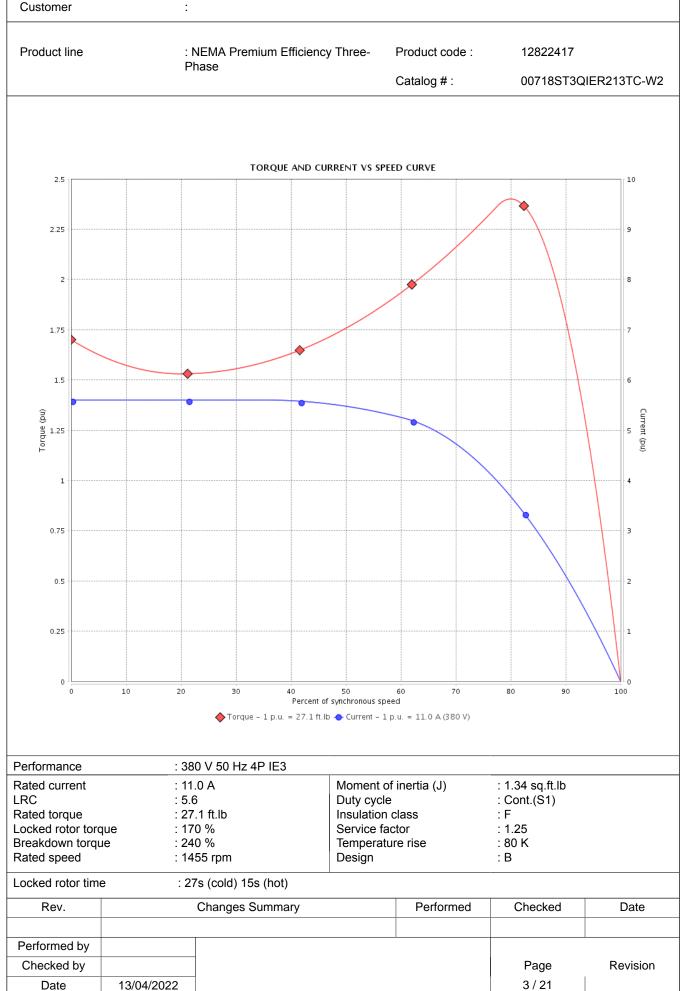


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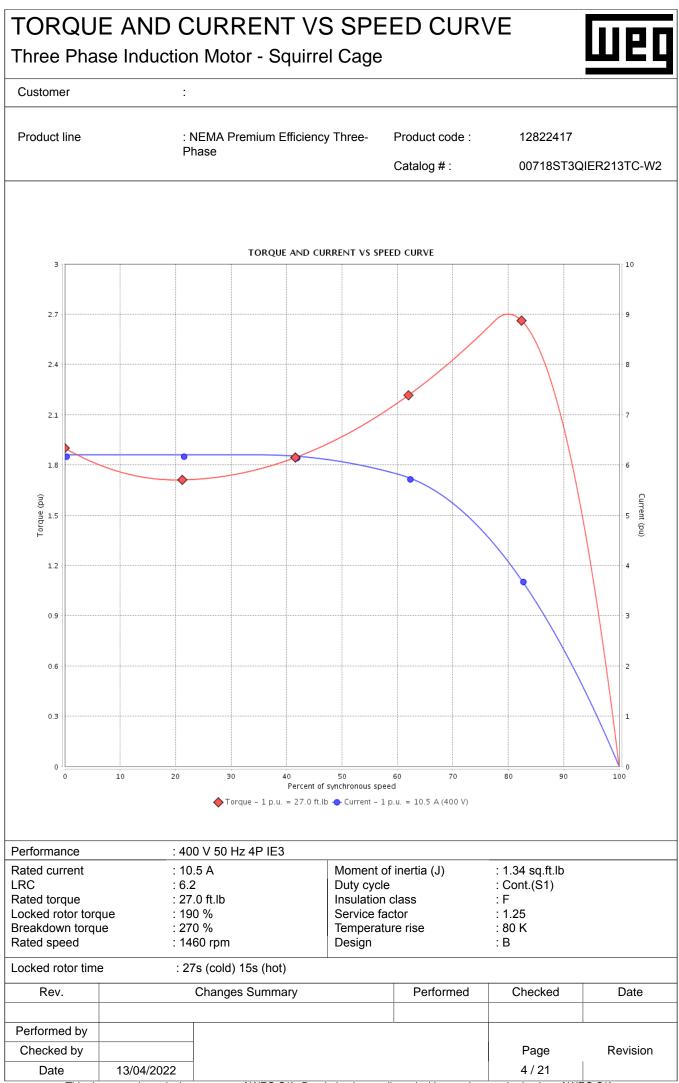
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



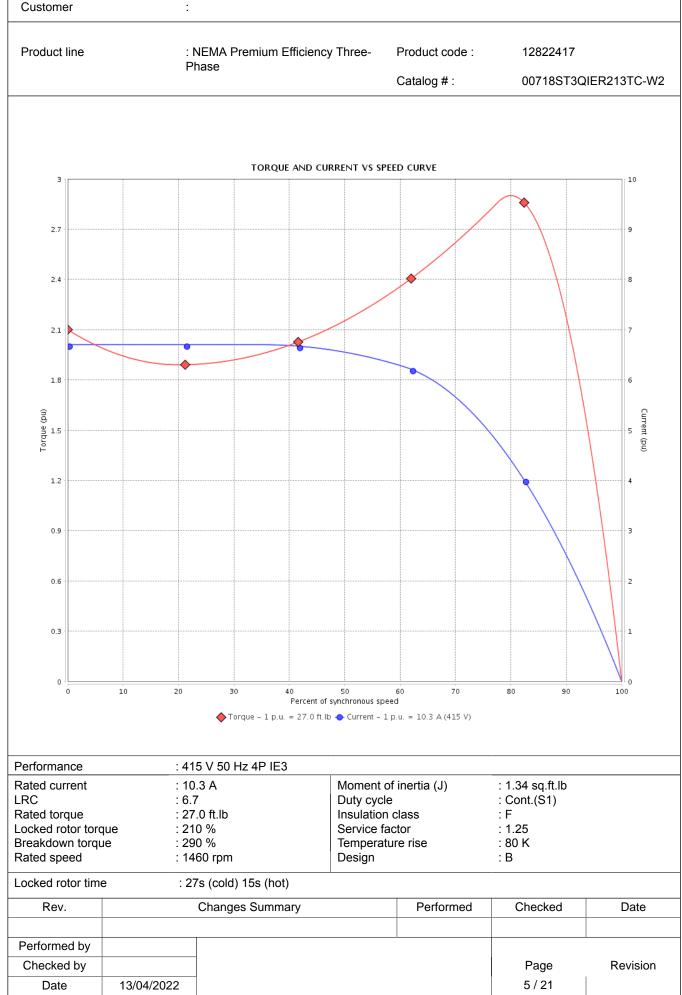
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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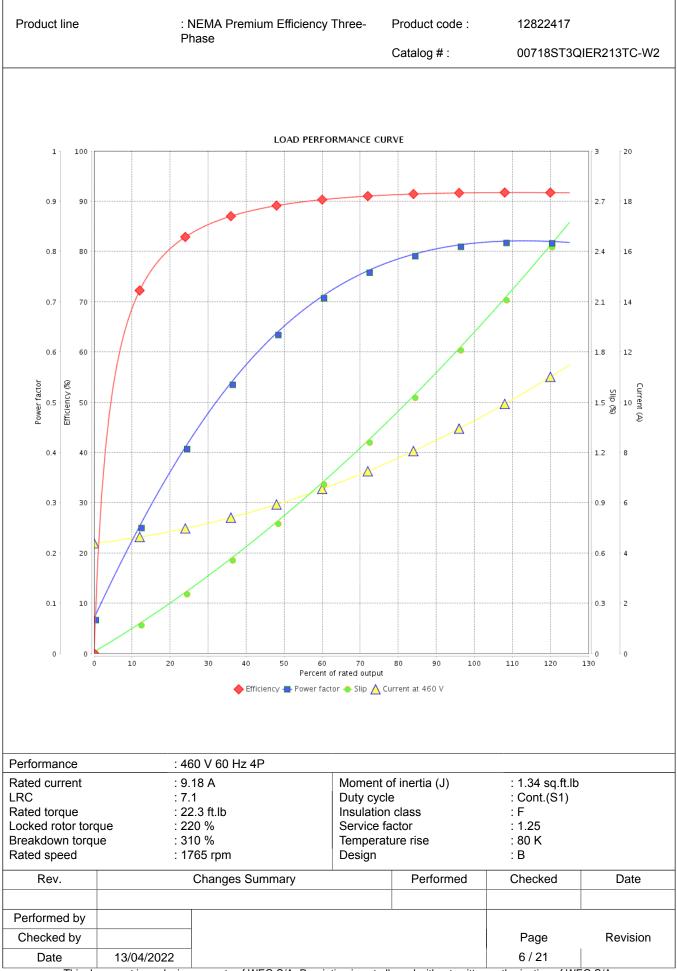
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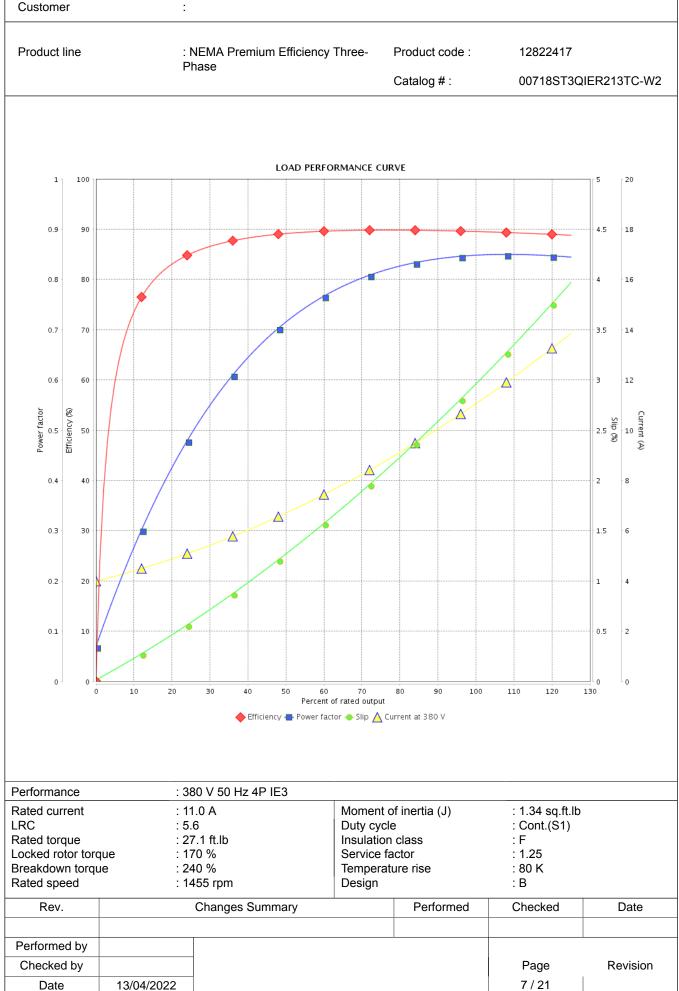


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Three Phase Induction Motor - Squirrel Cage

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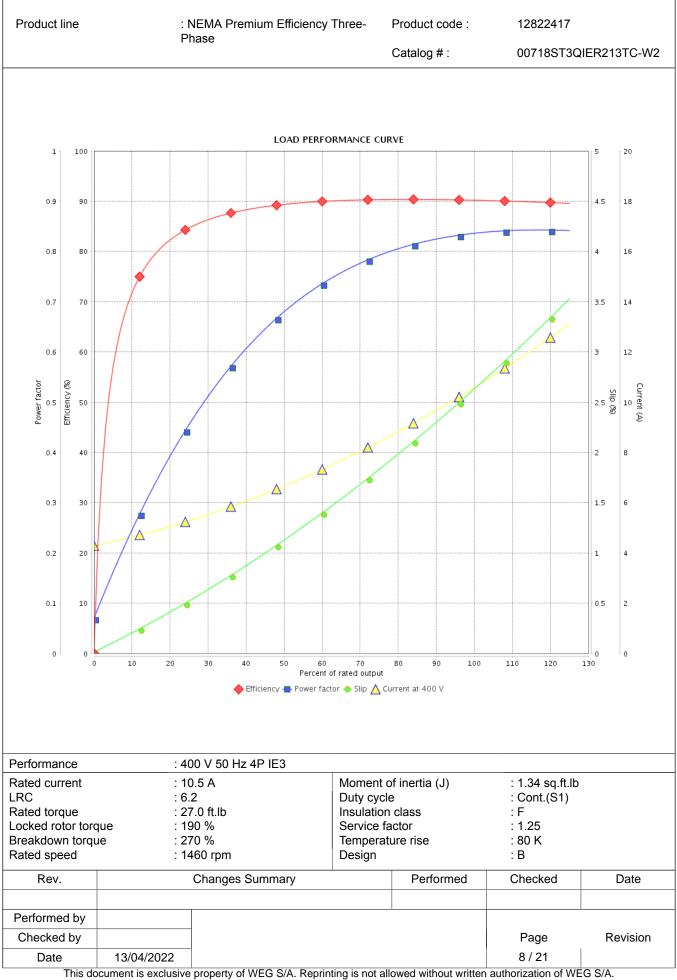
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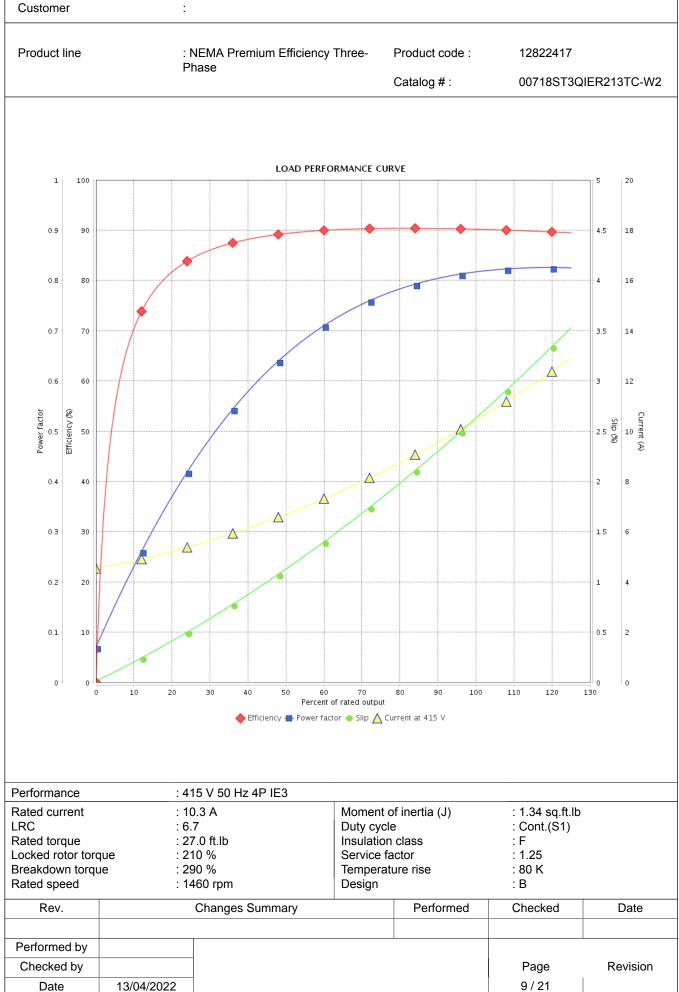


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Three Phase Induction Motor - Squirrel Cage

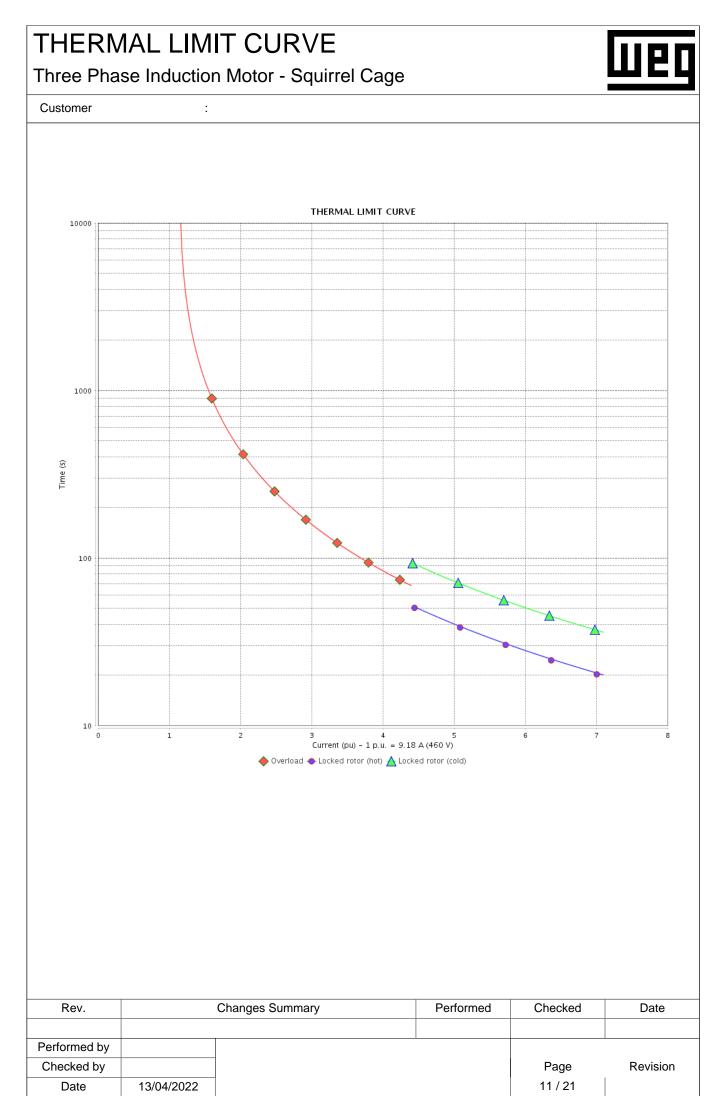
Customer



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	LIMIT CURVE duction Motor - Squirrel Cage)	Шер
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12822417
	Fliase	Catalog # :	00718ST3QIER213TC-W2

Performance	: 4	60 V 60 Hz 4P				
Rated current	: 9	.18 A Moment of ine		of inertia (J) : 1.34 sq.ft.lb		
LRC	: 7	'.1	Duty cycle	;	: Cont.(S1)	
Rated torque	: 2	2.3 ft.lb	Insulation	class	: F	
Locked rotor tore	que : 2	20 %	Service fa	ctor	: 1.25	
Breakdown torqu	.e :3	310 %	Temperature rise		: 80 K	
Rated speed	: 1	765 rpm	Design		: B	
Heating constant	t					
Cooling constant	t					
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Checked by					Page	Revision
Date	13/04/2022	1			10/21	

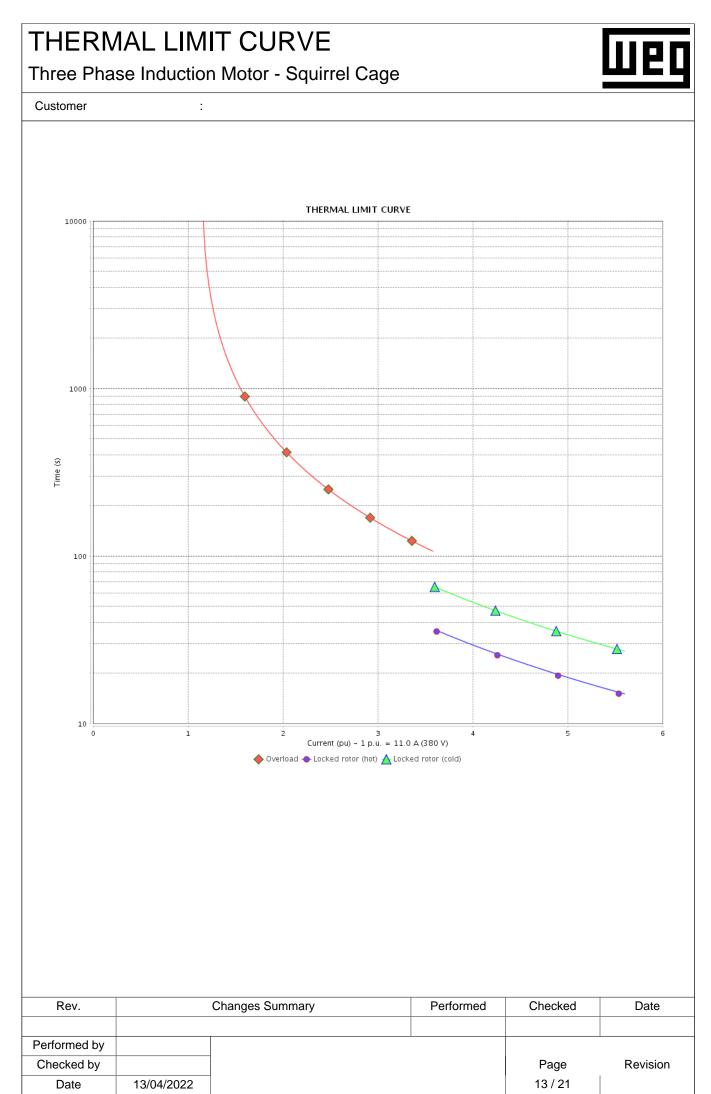


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Inree Phase Induc	tion Motor - Squirrel Cage		
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12822417
	1 1000	Catalog # :	00718ST3QIER213TC-W2

Performance	: 3	380 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 5 : 2 iue : 1 ie : 2	11.0 A 5.6 27.1 ft.lb 170 % 240 % 1455 rpm	Moment or Duty cycle Insulation Service fa Temperatu Design	class ctor	: 1.34 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant	t					
Cooling constant	t					
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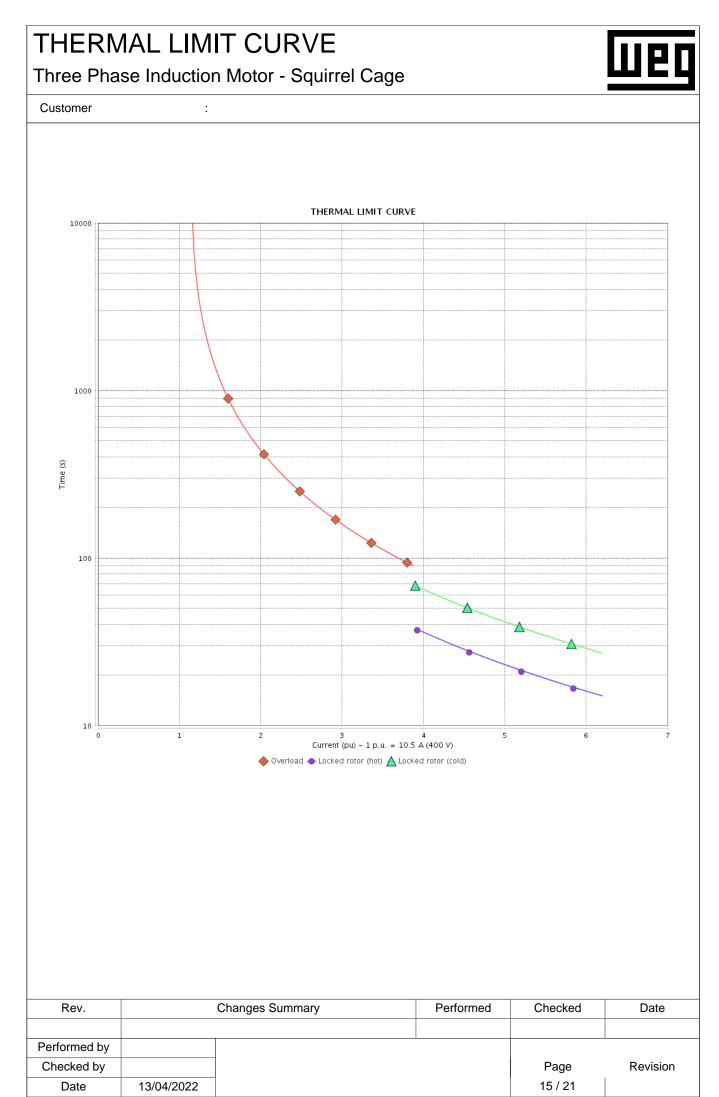
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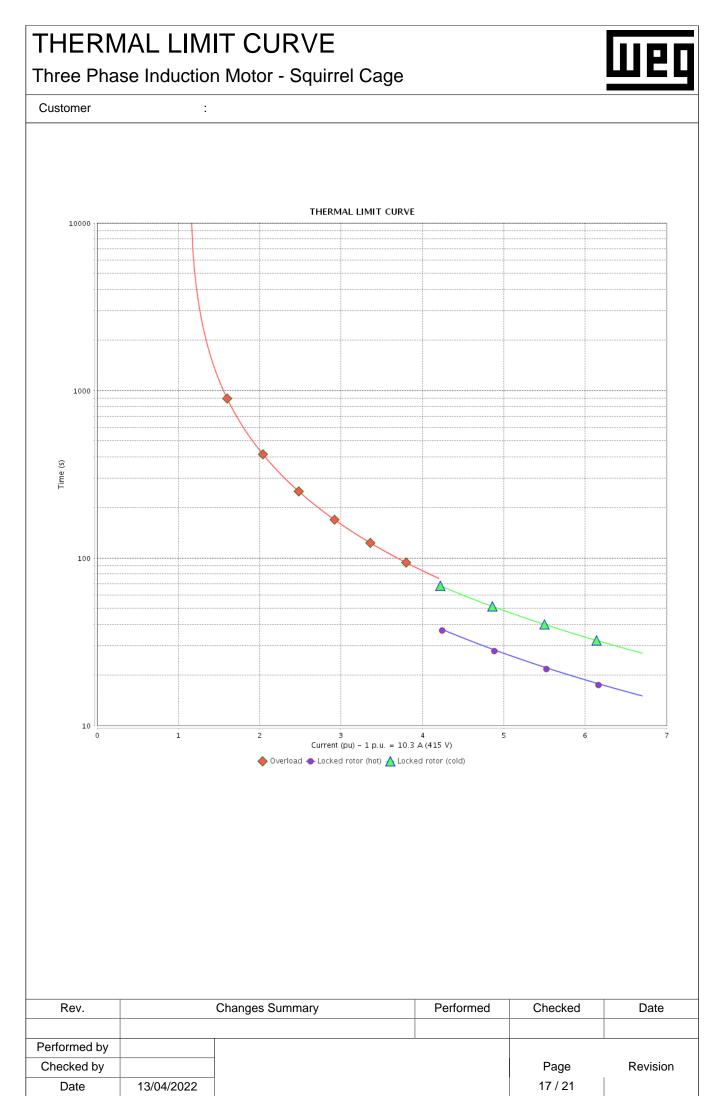
	LIMIT CURVE uction Motor - Squirrel Cage)	Шес
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12822417
	Fliase	Catalog # :	00718ST3QIER213TC-W2

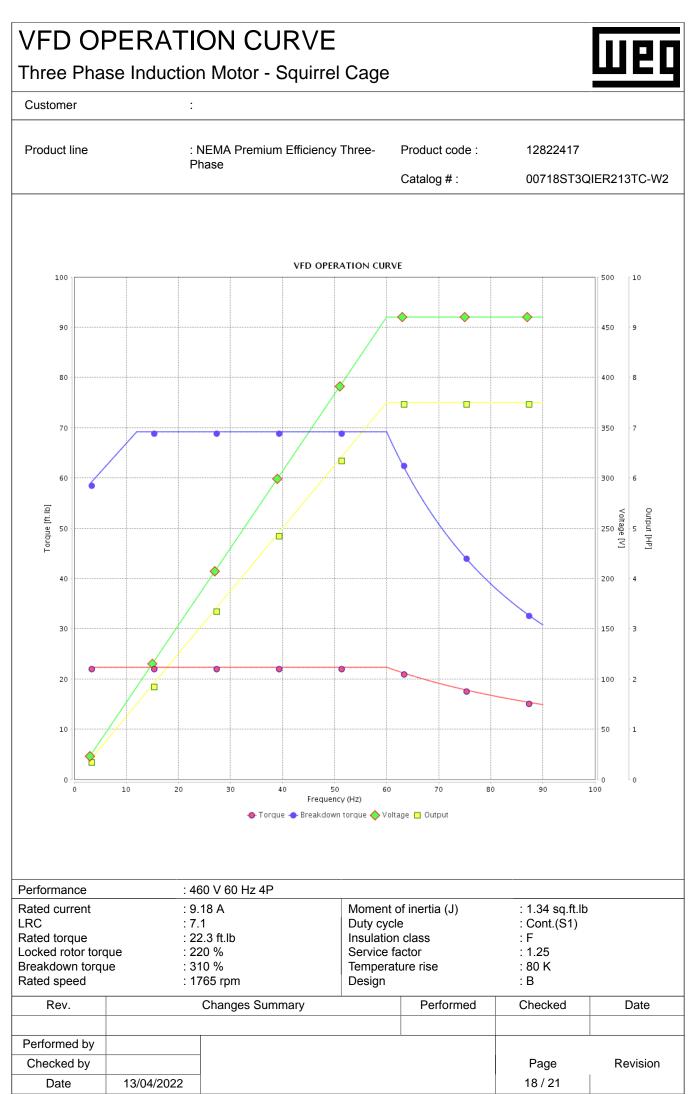
Performance	: 4	00 V 50 Hz 4P IE3				
Rated current: 10.5 ALRC: 6.2Rated torque: 27.0 ft.lbLocked rotor torque: 190 %Breakdown torque: 270 %Rated speed: 1460 rpmHeating constant		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.34 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Cooling constant						
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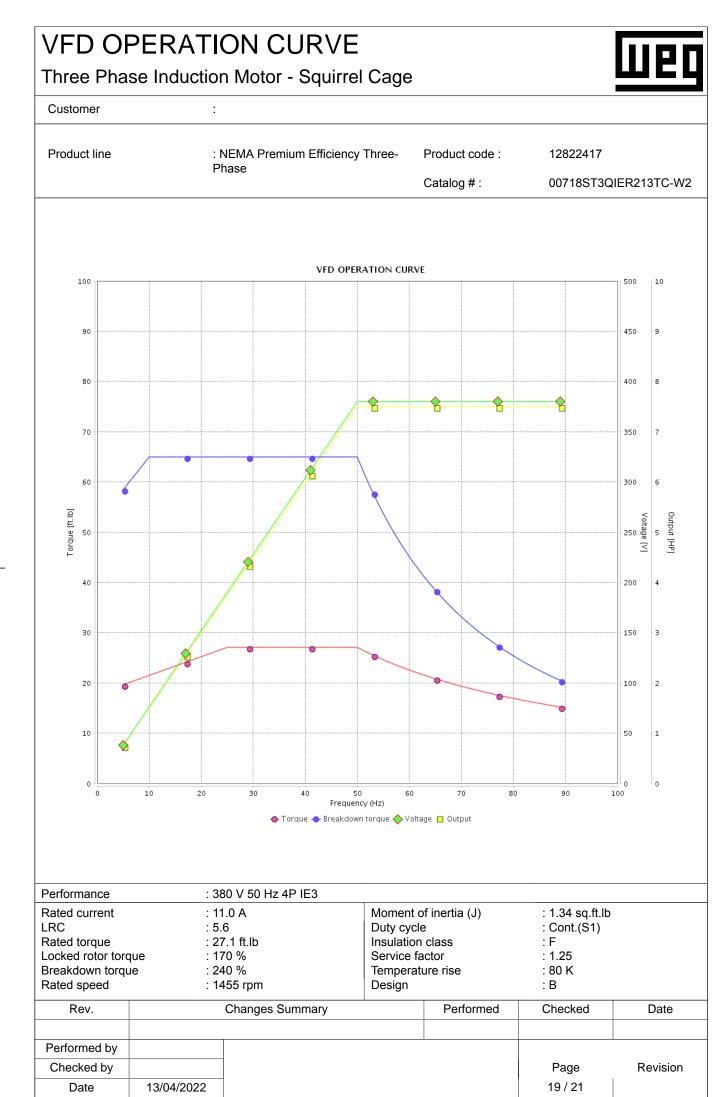


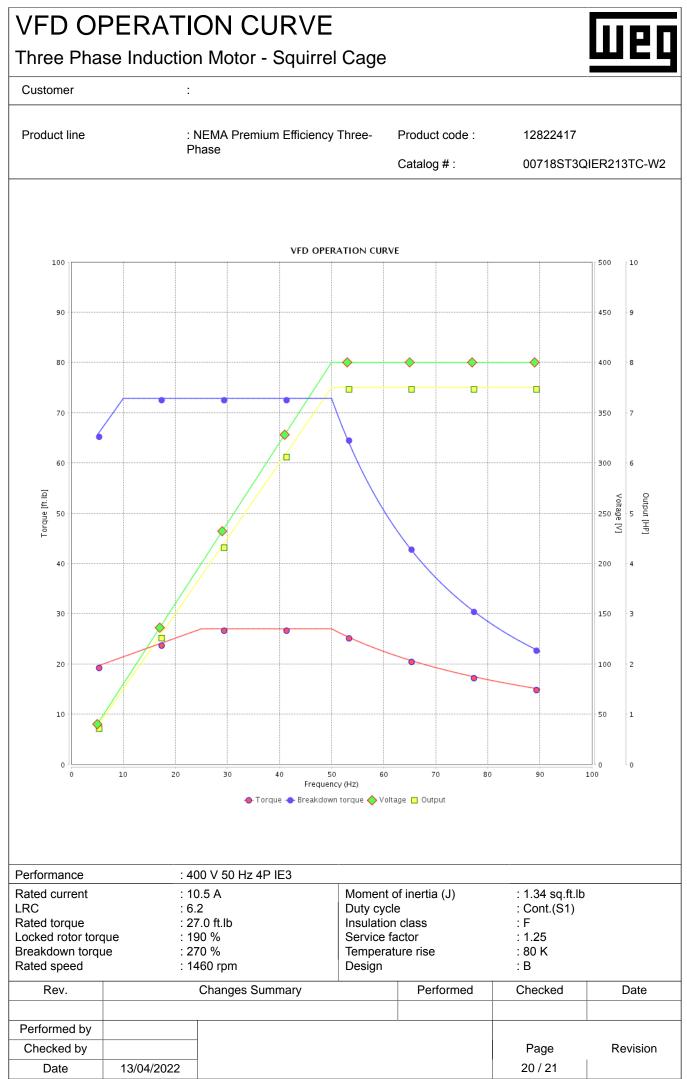
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Three Phase Indu	iction Motor - Squirrel Cage	•	
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12822417
	Thuse	Catalog # :	00718ST3QIER213TC-W2

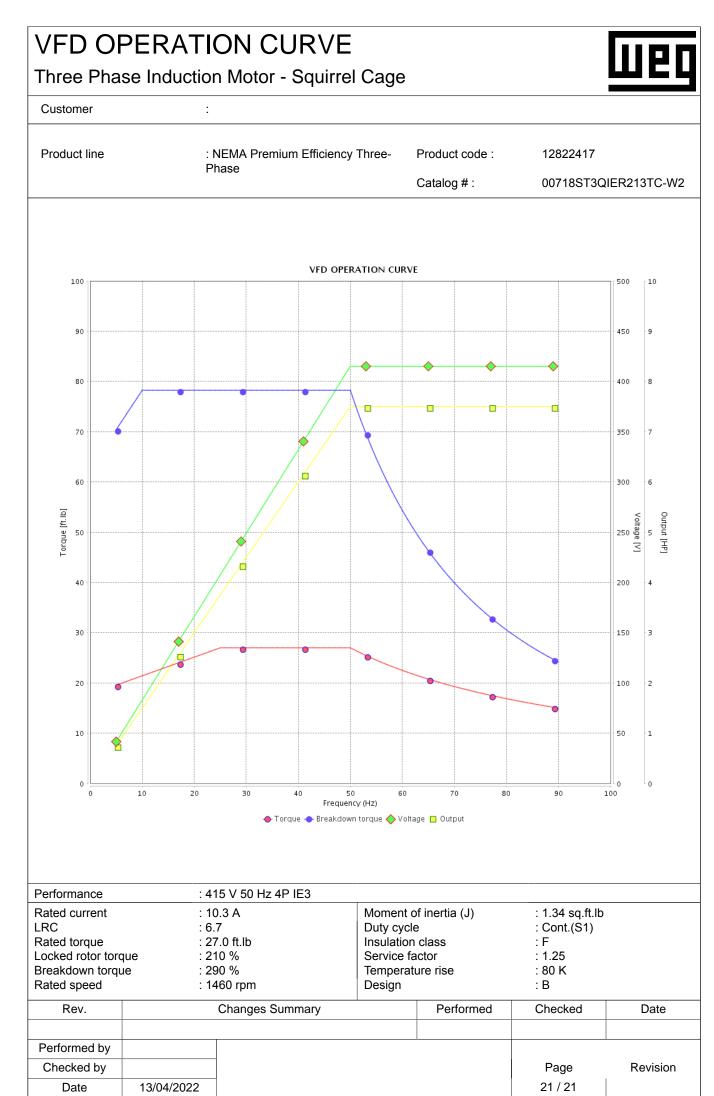
Performance	: 47	15 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6. : 27 que : 2 ² ue : 28	0.3 AMoment of inertia6.7Duty cycle17.0 ft.lbInsulation class210 %Service factor290 %Temperature rise460 rpmDesign		class ctor	: 1.34 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				16 / 21	

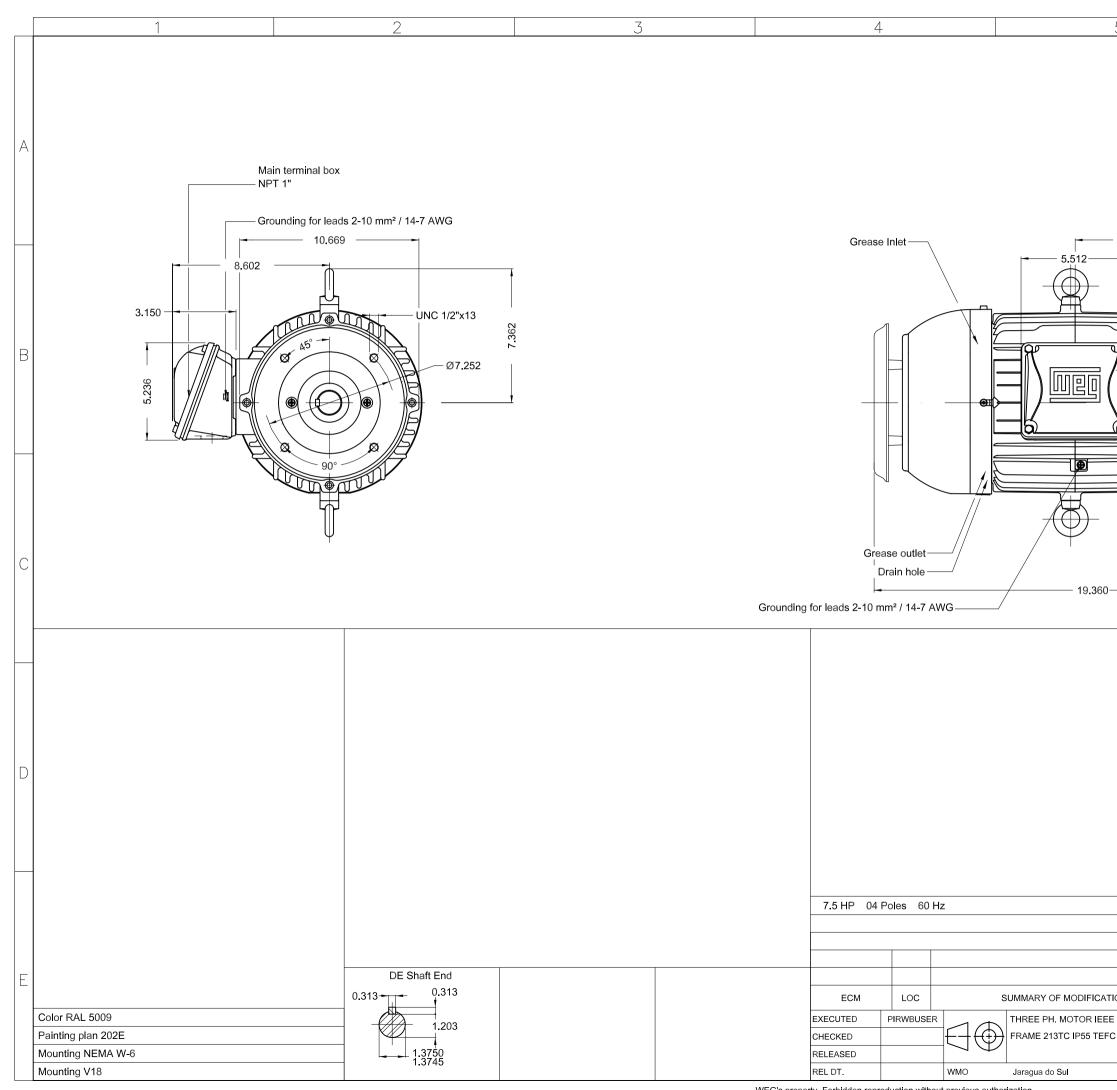












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6.260	ase Inlet	
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