## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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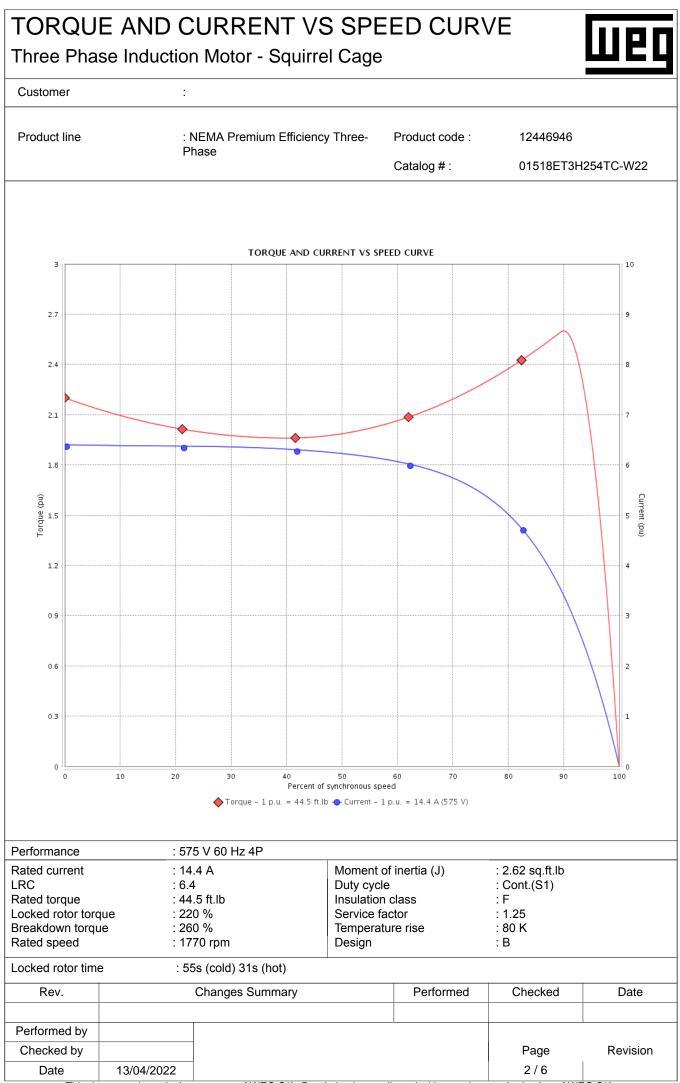


	Product line		: NEMA Premium Efficiency Th Phase				12110010	12446946	
			-			Catalog # :	01518ET3H	1254TC-W22	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 254/6TC : 15 HP (11 kW) : 4 : 60 Hz : 575 V : 14.4 A : 92.2 A : 6.4x(Code G) : 5.76 A : 1770 rpm : 1.67 % : 44.5 ft.lb : 220 % : 260 % : F : 1.25 : 2.62 sq.ft.lb : B			Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting method Approx. weight <sup>3</sup>		: 55s (cold) 31s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 64.0 dB(A) : Direct On Line : 316 lb		
Output	25%	50%	75%	100%	Foundatio	on loads			
Efficiency (%) Power Factor	90.2 0.43	91.0 0.68	91.7 0.78	92.4 0.83	Max. trac Max. com		: 397 lb : 713 lb		
Bearing type Sealing Lubrication inter Lubricant amoun Lubricant type Notes		:	V' 20	09 C3 Ring 000 h  3 g Mo	bil Polyrex	6209 C3 V'Ring 20000 h 9 g EM			
must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr	ed. notor from t 1m and wit weight sub rocess.	the shaft e	nd. e of +3dB(/				based on tests w le tolerances stipu		
This revision rep must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	ed. notor from t 1m and wit weight sub rocess.	the shaft e th toleranc ject to cha	nd. e of +3dB(/	۹).	power su				
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must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from t 1m and wit weight sub rocess.	the shaft e th tolerance ject to cha Ch	nd. e of +3dB(/ nges after	۹).	power su	ipply, subject to th	ne tolerances stipu	ulated in NEMA	

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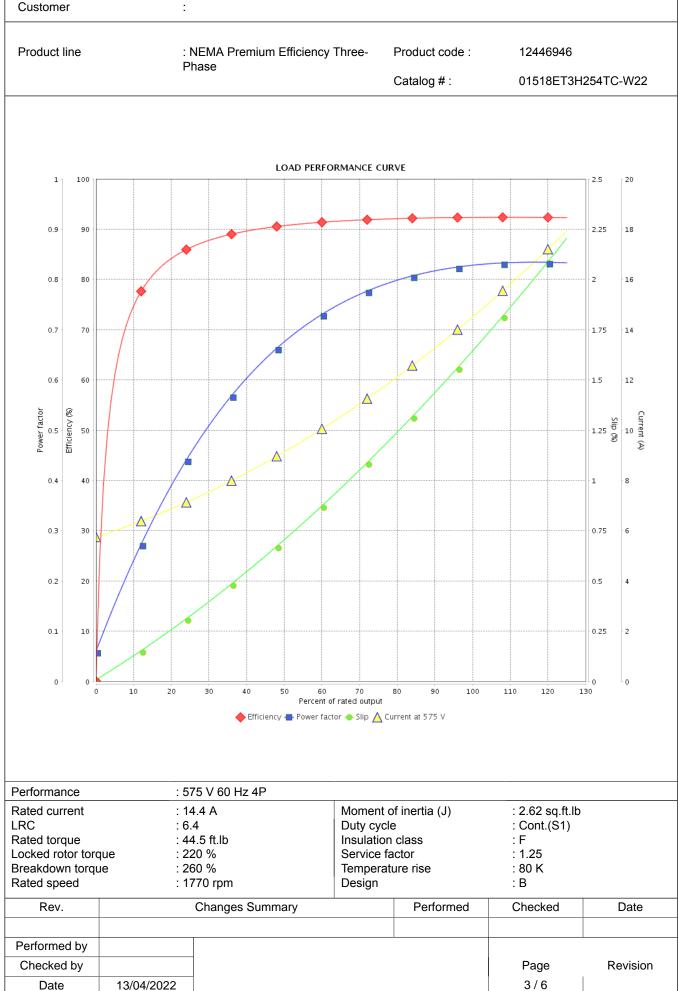
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

## Customer

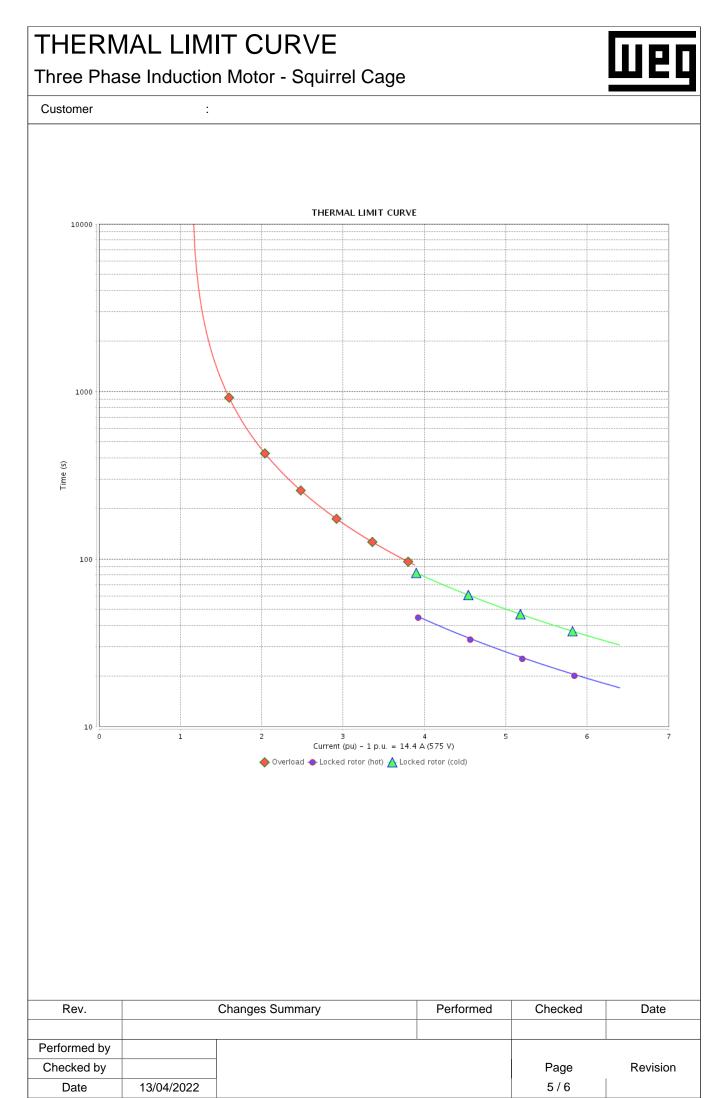


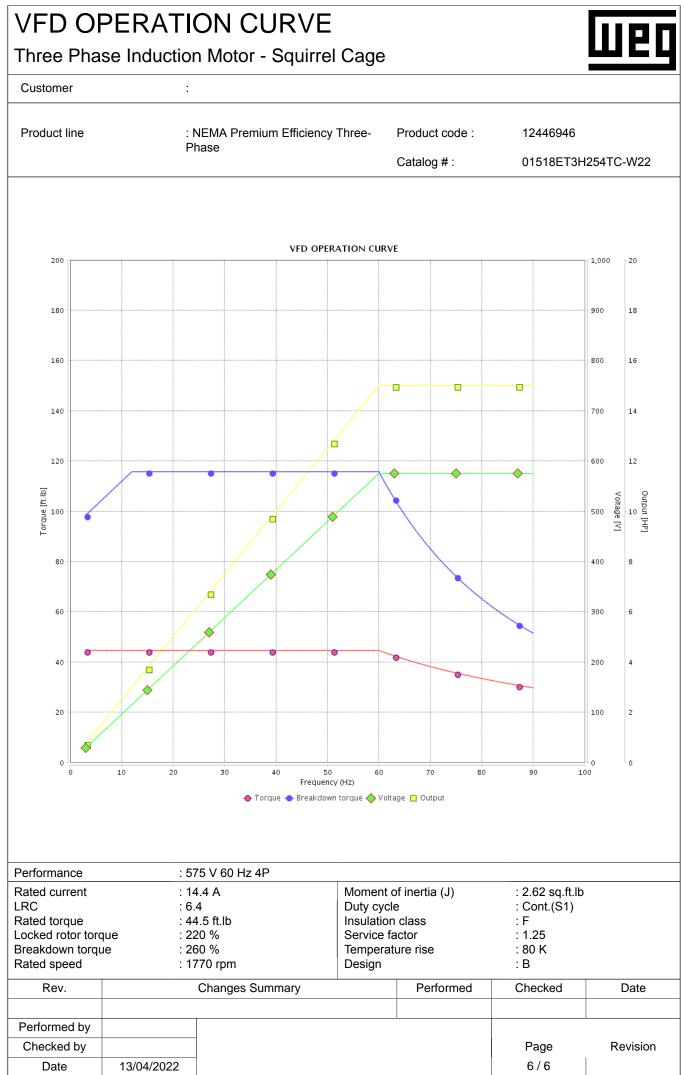
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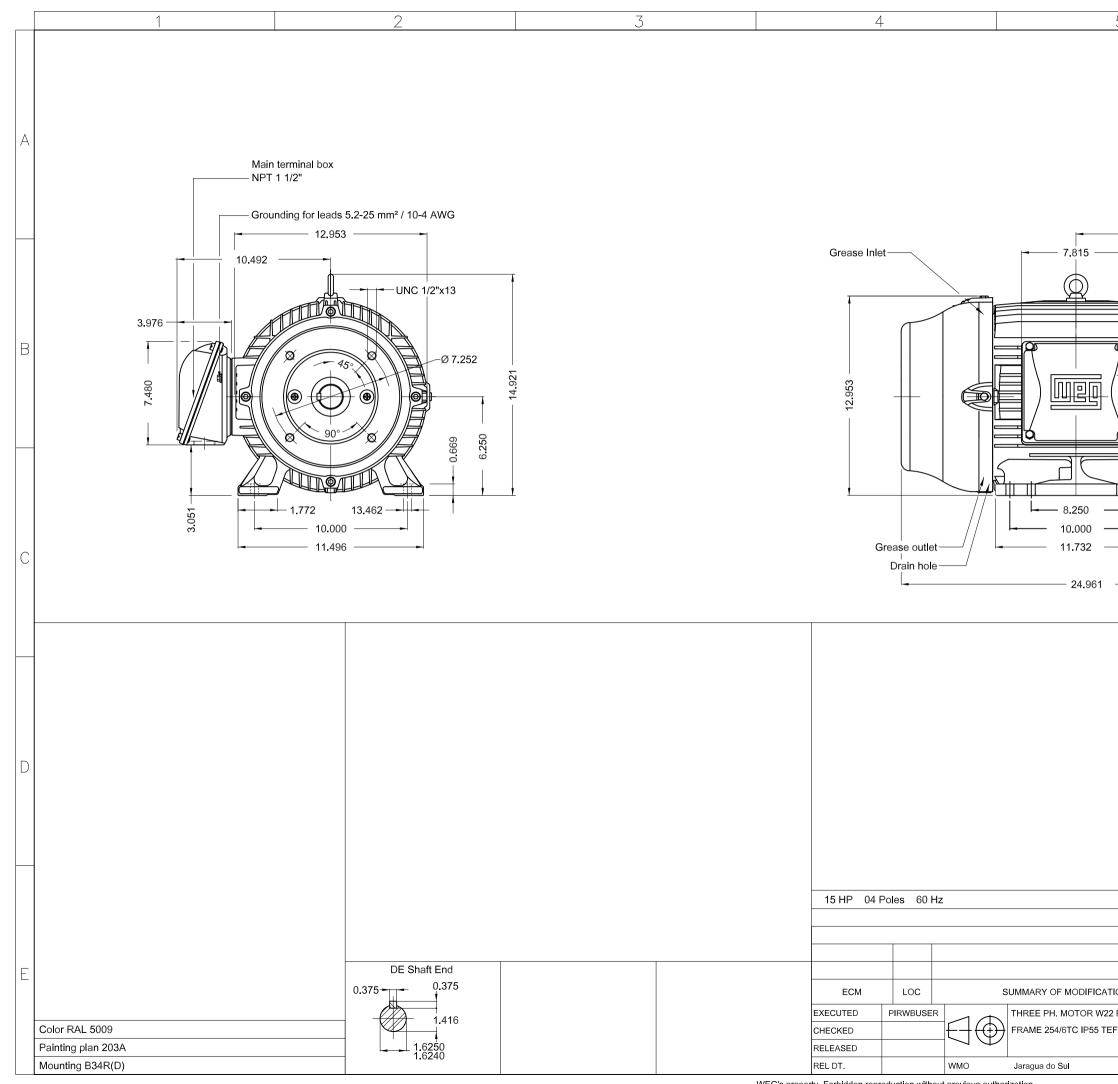
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THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage							
Customer		:					
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	12446946 01518ET3H	254TC-W22	
Performance Rated current		: 575 V 60 Hz 4P : 14.4 A	Moment o	f inertia (J)	: 2.62 sq.ft.lb		
LRC Rated torque		: 6.4 : 44.5 ft.lb	Duty cycle	e	: Cont.(S1) : F		
Locked rotor torq	ue	: 220 %	Service fa	ictor	: 1.25		
Breakdown torqu Rated speed		: 260 % : 1770 rpm	Temperati Design	ure rise	: 80 K : B		
Heating constant			<u> </u>				
Cooling constant Rev.		Changes Summary		Performed	Checked	Date	
REV.		Changes Summary		renonneu	Checked	Dale	

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