

DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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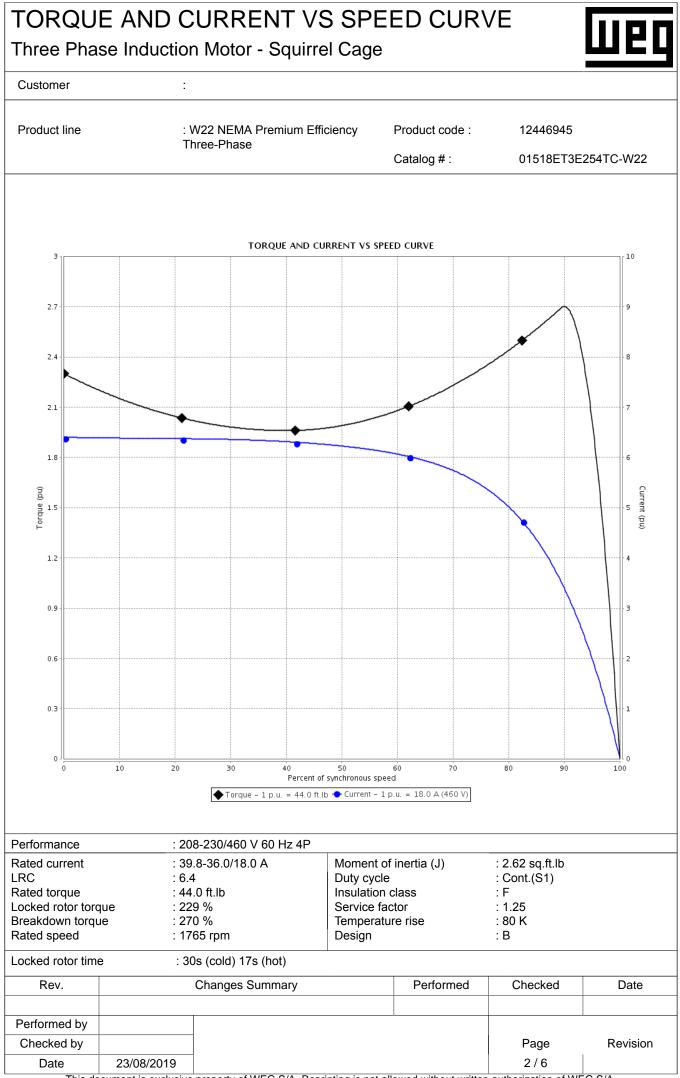


Product line			2 NEMA Pi e-Phase	remium Efficie		Product code : Catalog # :	12446945 01518ET3E	254TC-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torqu Insulation class Service factor Moment of inerti Design	ue	: 4 : 60 F : 208 : 39.8 : 255 : 6.4 : 11.7 : 176 : 1.94 : 44.0 : 229 : 270 : F : 1.25	HP (11 kW Hz -230/460 \ 3-36.0/18.0 -230/115 A (Code G) 7-13.6/6.80 5 rpm 4 % 0 ft.lb % %	/) A A	Tempera Duty cyc Ambient Altitude	ele temperature on degree method g vel ² wel ² method	: 30s (cold) : 80 K : Cont.(S1) : -20°C to 4 : 1000 m.a : IP55 : IC411 - TI : F-1 : Both (CW : 64.0 dB(A : Direct On : 316 lb	+40°C .s.l. EFC and CCW)
Output	25%	50%	75%	100%	Foundatior	n loads		
Efficiency (%) Power Factor	90.2 0.44	91.0 0.68	91.7 0.78	92.4 0.83	Max. tracti Max. comp		: 489 lb : 805 lb	
Lubrication inter Lubricant amour		:		0000 h 13 g		20000 h 9 g		
				13 g	bil Polyrex E	9 g		
Lubricant amour Lubricant type	aces and o ed. notor from 1m and wir weight sub ocess.	the shaft e th toleranc	previous c end. e of +3dB(13 g Mo	These are	9 g EM	based on tests w	
Lubricant amour Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at (3) Approximate of manufacturing pr	aces and o ed. notor from 1m and wir weight sub ocess.	the shaft e th toleranc oject to cha	previous c end. e of +3dB(13 g Mo one, which (A).	These are power sup	9 g EM		
Lubricant amour Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at ((3) Approximate of manufacturing pr (4) At 100% of fu Rev.	aces and o ed. notor from 1m and wir weight sub ocess.	the shaft e th toleranc oject to cha	previous c end. e of +3dB(inges after	13 g Mo one, which (A).	These are power sup	9 g EM	ne tolerances stipu	lated in NEMA
Lubricant amour Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu	aces and o ed. notor from 1m and wir weight sub ocess.	the shaft e th toleranc oject to cha	previous c end. e of +3dB(inges after	13 g Mo one, which (A).	These are power sup	9 g EM	ne tolerances stipu	lated in NEMA

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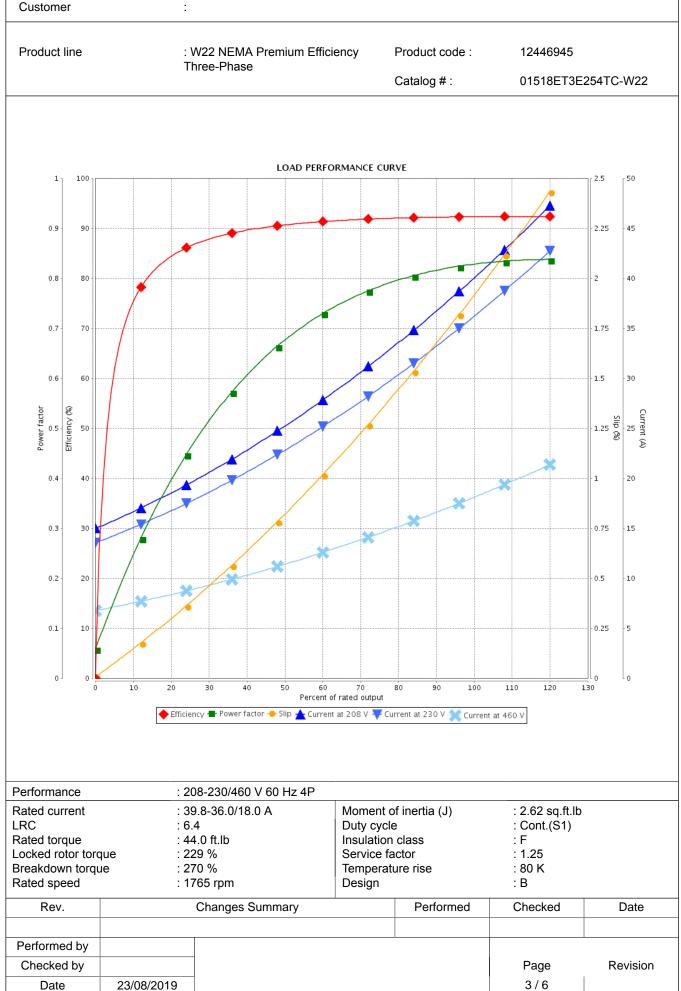


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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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Checked by

Date

23/08/2019

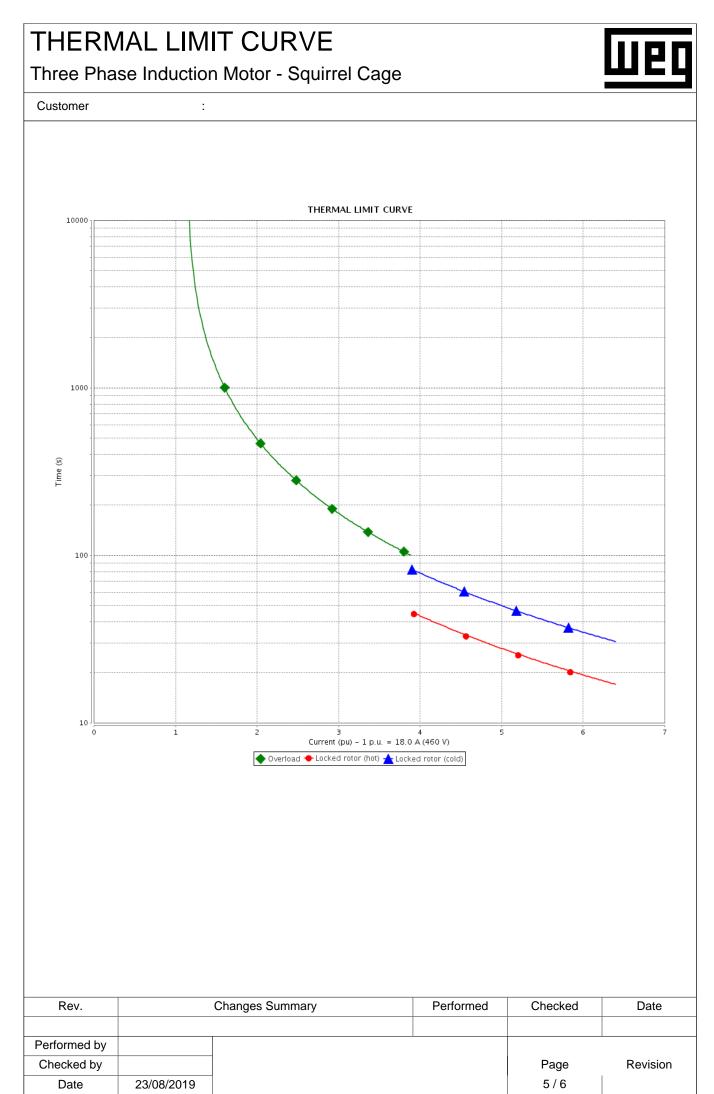
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code :	12446945	12446945	
				Catalog # :	01518ET3E2	54TC-W22	
Performance		: 208-230/460 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 39.8-36.0/18.0 A : 6.4 : 44.0 ft.lb : 229 % : 270 % : 1765 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ictor	: 2.62 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Heating constant							
Cooling constant Rev.		Changes Summary		Performed	Checked	Date	
						Date	
Performed by				<u> </u>			

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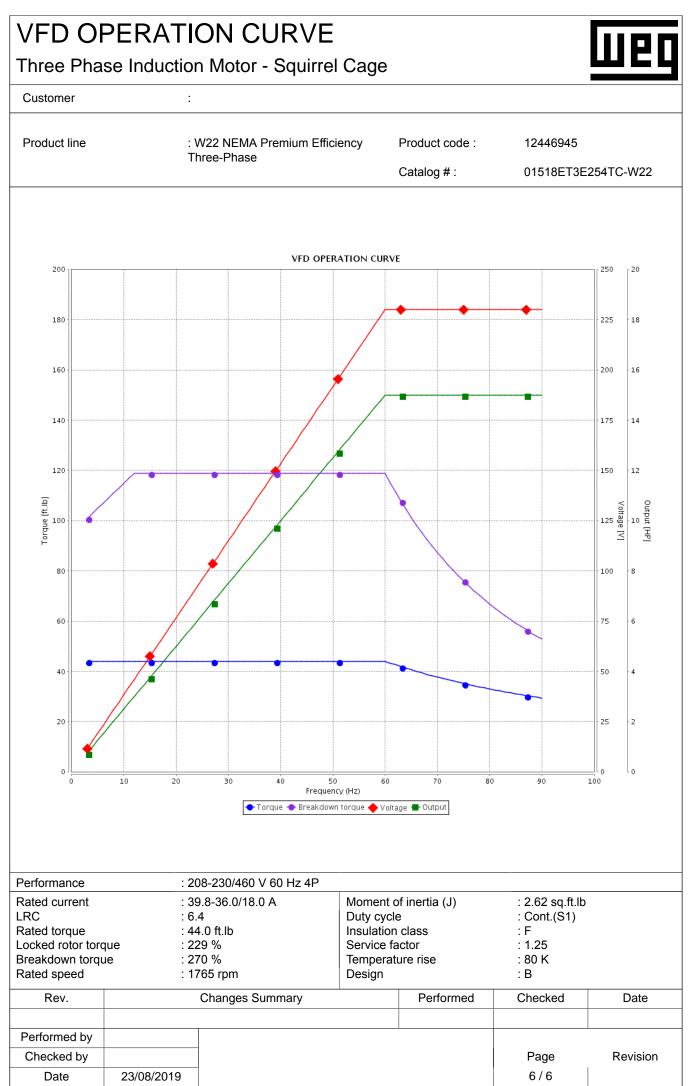
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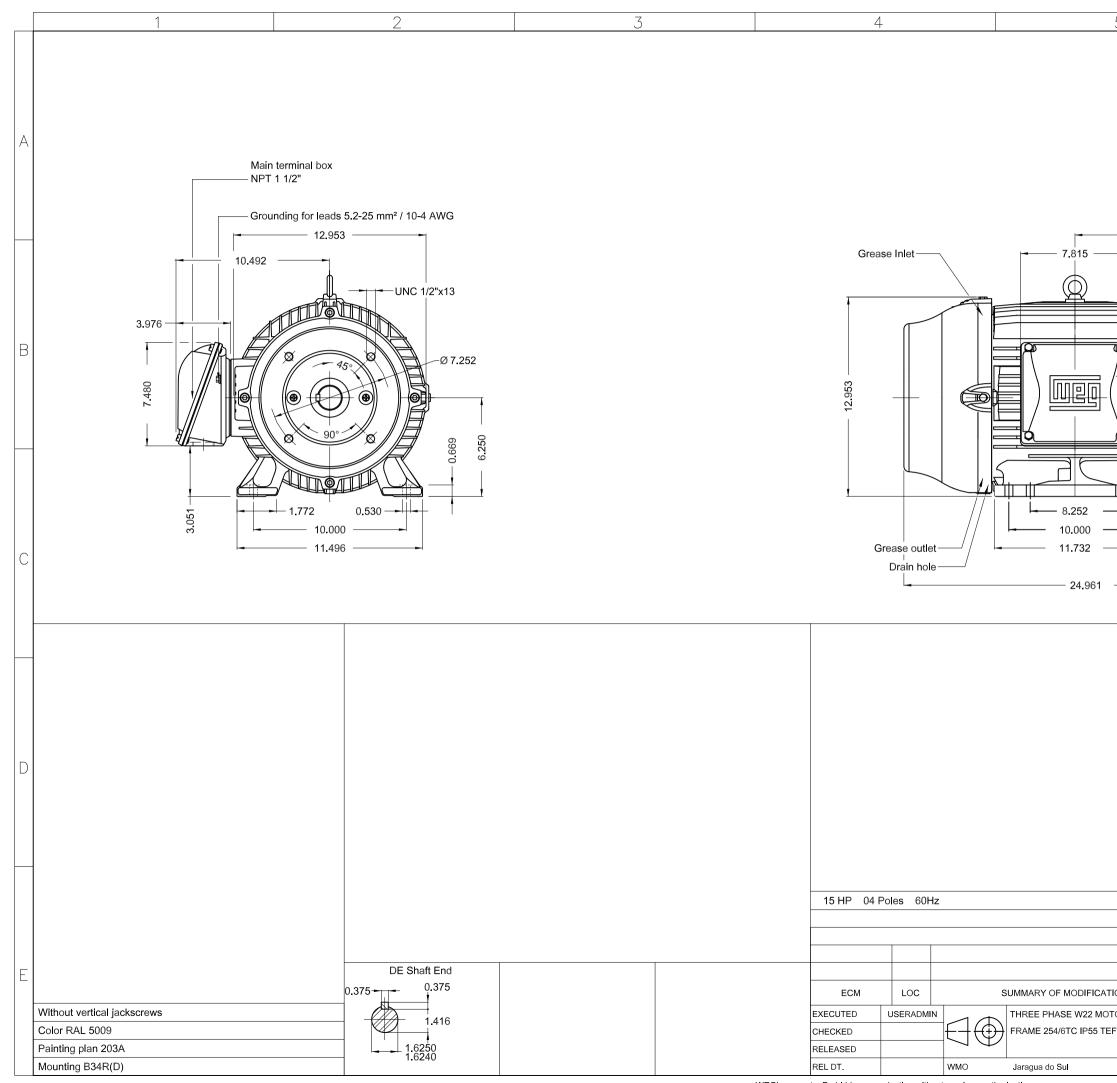


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	CCO29A LISUITUU Inverter Duty Motor Severe Duty	CUUS LISTED	FOR SAFE AREA MOD.TE1BF0X0N	For 60Hz: Class I, Div 2, Gr. A, B, C and D - T3 Class I, Zone 2, IIC - T3 Class II, Div 2, Gr. F and G - T4 Class II, Div 2, Gr. F and G - T4 For 60Hz use on PWM, Gr. A, B, C, D and F, VT 1000:1, CT 20:1, 1.0SF, T3A
CT015404NPW22 MADE IN BRAZIL 12446945	PH 3 FR 254/6TC HP(kW) 15.0 V 230/460 A 36.0/18.0 NEMA NOM EFF 92.4 % INS. 0 ENCL TEFC DUTY CONT.	RPM 1765 CL. F ∆T 80 k AMB. 40°C 45.0/22.5 SFA 45.8		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$