

## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

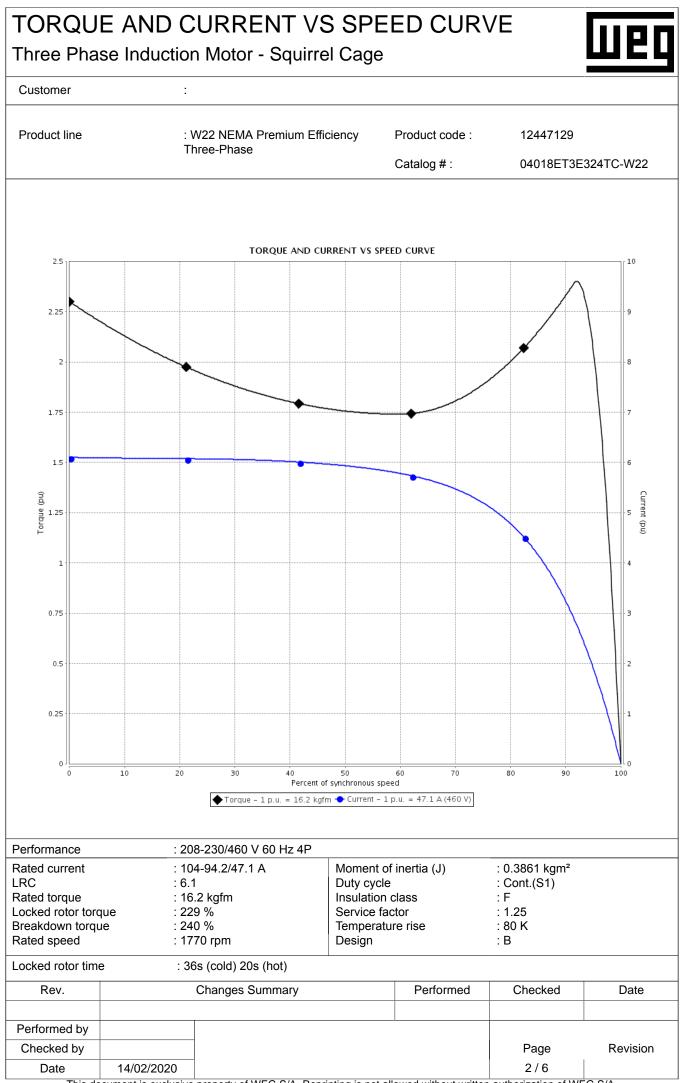
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Product line			2 NEMA Pi e-Phase	remium Efficie		Product code :	12447129	
					C	Catalog # :	04018ET3E	324TC-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor toro Breakdown torqu Insulation class Service factor Moment of inerti Design	ue	: 4 : 60 F : 208 : 104 : 635 : 6.1) : 29.3 : 177 : 16.2 : 229 : 240 : F : 1.25	HP (30 kW Hz -230/460 \ -94.2/47.1 -575/287 <i>F</i> (Code G) 3-34.0/17.0 0 rpm 7 % 2 kgfm % %	/ A A	Tempera Duty cyc Ambient Altitude	temperature on degree method g <sup>1</sup> vel <sup>2</sup> method	: 36s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IP55 : IC411 - TE : F-1 : Both (CW : 66.0 dB(A : Direct On : 267 kg	+40°C .s.l. EFC and CCW)
Output	25%	50%	75%	100%	Foundatio	n loads		
Efficiency (%)	0.000	93.6	94.1	94.1	Max. tracti		: 438 kgf	
Power Factor	0.00	0.72	0.80	0.85	Max. com	pression	: 705 kgf	
Lubrication inter				)000 h		20000 h		
Lubricant amour Lubricant type Notes	nt	:	:	21 g Mo	bil Polyrex E	13 g		
Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr	aces and c ed. notor from t 1m and wit weight subj ocess.	he shaft e h toleranc	previous c end. e of +3dB(	one, which A).	These are	13 g EM	s based on tests wi ne tolerances stipu	
Lubricant type	aces and c ed. notor from t 1m and wit weight subj ocess.	he shaft e h toleranc ject to cha	previous c end. e of +3dB( inges after	one, which	These are power su	13 g EM		
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 c ed. notor from t 1m and wit weight subj ocess.	he shaft e h toleranc ject to cha	previous c end. e of +3dB(	one, which	These are power su	13 g EM	ne tolerances stipu	lated in NEMA
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 c ed. notor from t 1m and wit weight subj ocess.	he shaft e h toleranc ject to cha	previous c end. e of +3dB( inges after	one, which	These are power su	13 g EM	ne tolerances stipu	lated in NEMA
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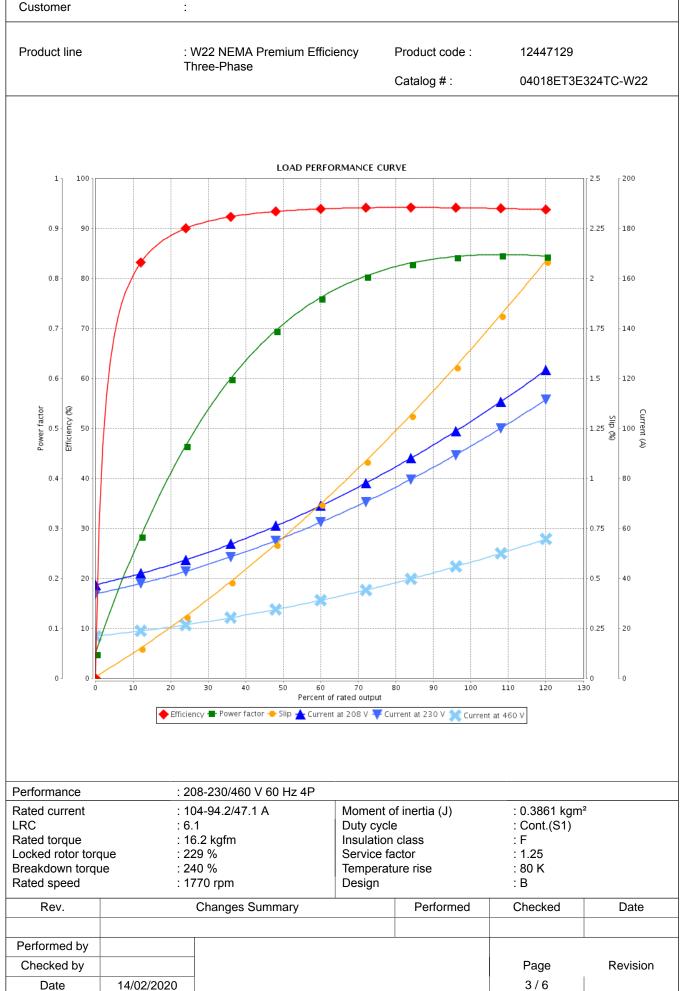


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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

## Customer



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## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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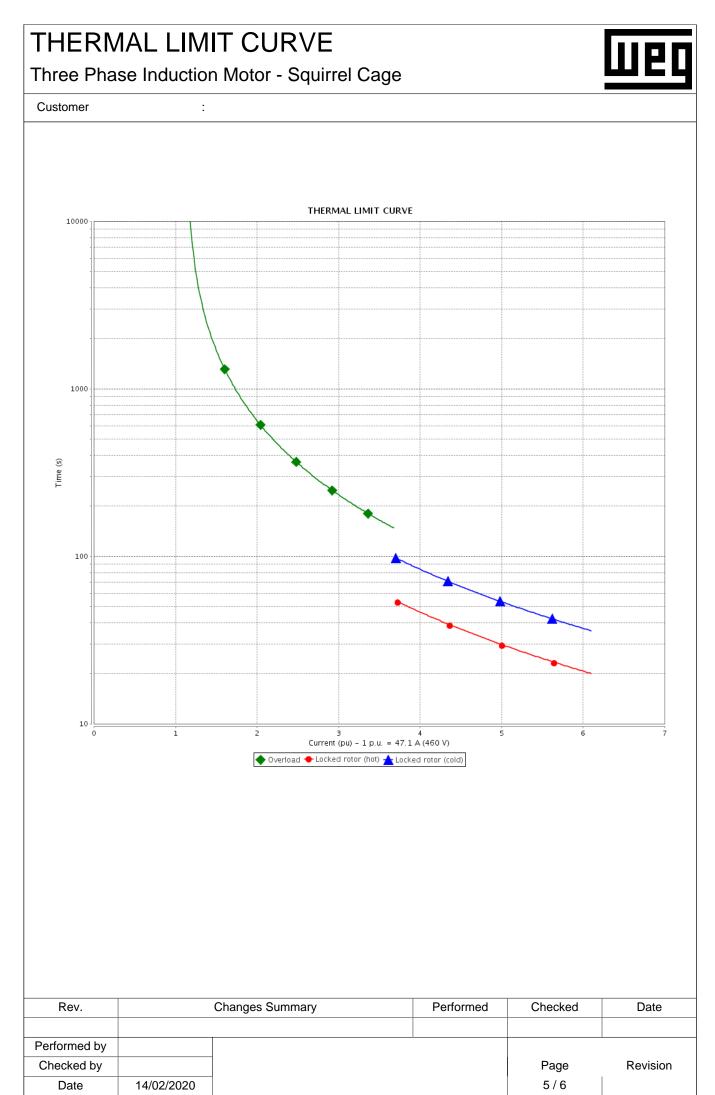
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Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code :	12447129	12447129	
				Catalog # :	04018ET3E	324TC-W22	
Defense		- 000 000/400 \/ 00 LI= 4D					
Performance Rated current		: 208-230/460 V 60 Hz 4P : 104-94.2/47.1 A	Momento	f inertia (J)	: 0.3861 kgm	2	
LRC Rated torque Locked rotor torque Breakdown torque		: 6.1 : 16.2 kgfm : 229 % : 240 %	Duty cycle Insulation Service fa Temperatu	e class ctor	: Cont.(S1) : F : 1.25 : 80 K	: Cont.(S1) : F : 1.25 : 80 K	
Rated speed		: 1770 rpm	Design		: B		
Heating constan Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	

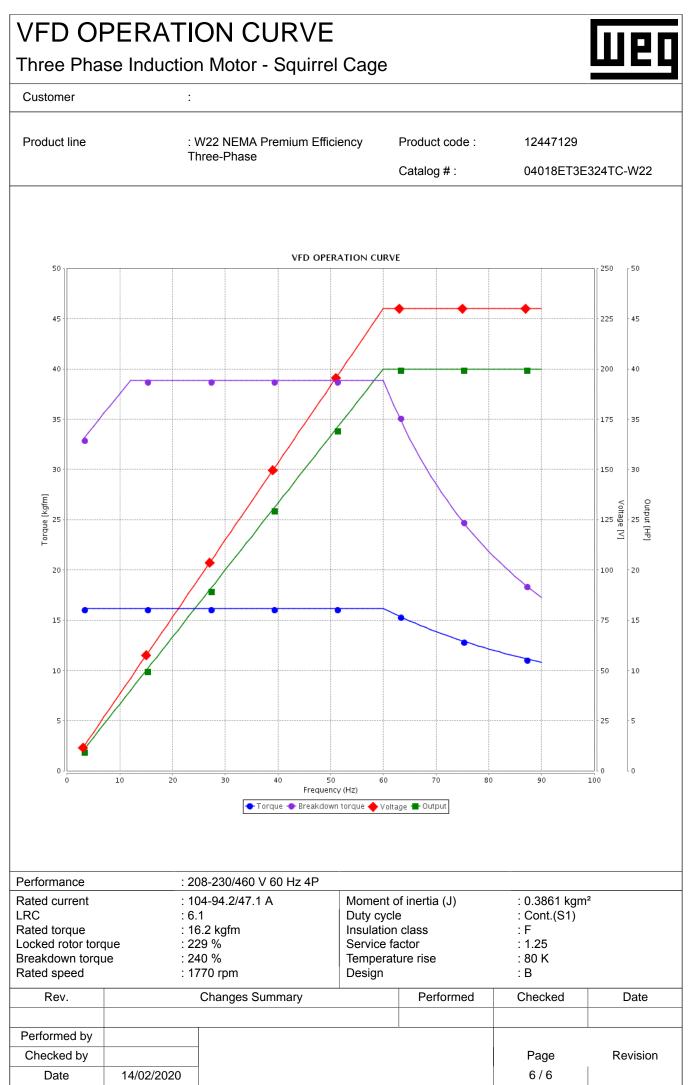
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 Revision

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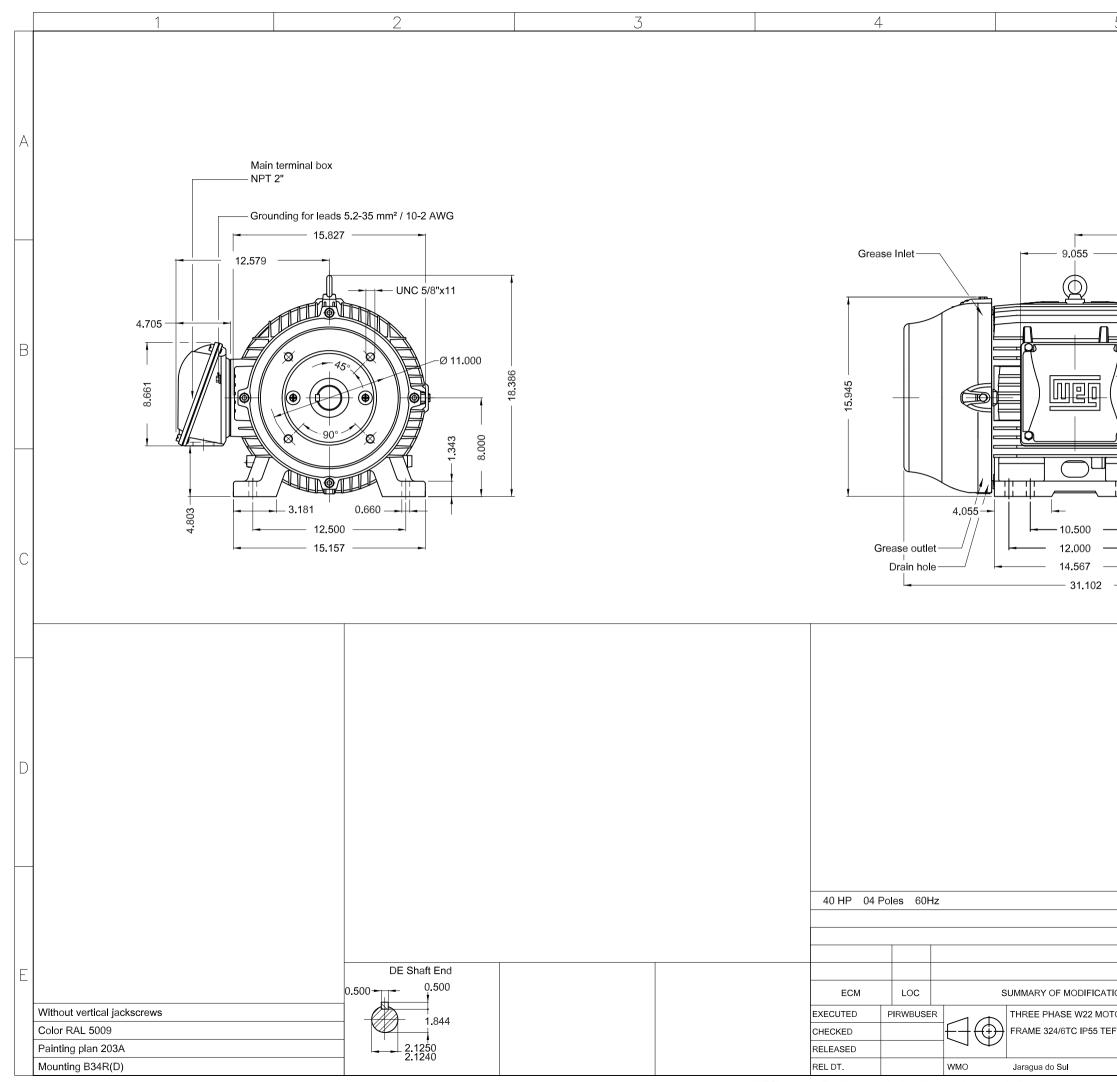
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11.260       Grease Inlet         Image: Constraint of the second sec		
11.280       Grease Inlet         Image: Constraint of the second sec	5 6	]
ror - NEMA PREMIUM EFF PREVIEW	rease inlet	Dimensions in inches
ror - NEMA PREMIUM EFF PREVIEW		
	IONS EXECUTED CHECKED RELEASED DATE VER	
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WDD     Image: Second state		۰ ۳
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		C US LISTED FOR SAFE AREA MOD.TE1BFOXON	For 60Hz: Class I, Div 2, Gr. A, B, C and D - T3 Class I, Zone 2, IIC - T3 Class II, Zone 2, IIC - T3 Class II, Div 2, Gr. F and G - T4 For 60Hz use on PWM, Gr. A, B, C, D and F,
W22	Inverter Duty Motor Severe Duty		Energy Verified VT 1000:1, CT 20:1, 1.0SF, T3A
010 V_V	PH 3 FR 324/6TC HP(kW) 40.C	(30.0) Hz 60	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
13E324TC- MEXICO 7129	v 230/460 A 94.2/47.1	RPM 1770 DES B	0 18 0 19 0 17 0 12 0 13 0 11 0 12 0 13 0 11
8ET3E N N 471	NEMA NOM EFF 94.1 % INS.	с∟. Г ∆т 80 к   IP55	△ L2 L3 L1 △ L2 L3 L1 208-230V 460//380V
4018 124	ENCL TEFC DUTY CONT.	амв. 40°С	
MAD	CODE G   PF 0.85   SF 1.25   SFA 1	18/58.9	$\rightarrow$ 6312-C3 MOBIL POLYREX EM → 6212-C3 21 g 20000 h
MODEL 04018ET3 MADE IN 12447	USABLE @208V 104 A SF 1.15	SFA 120	21 g 2000 h
_	40HP 30kW 50Hz 380V 57.4A 1460RPM	/ SF1.00 EFF 92.4% (IE2)	ALT 1000 m.a.s.l. 591 Lbs