DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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		Phase	e		hree-	Product code :	14406911		
						Catalog # :	01518XT3H	1254TC	
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 H : 575 : 14.7 : 107 : 7.3x : 6.88 : 177 : 1.67 : 44.5 : 300 : 300 : F : 1.15	HP (11 kW) Hz V A (Code J) A 0 rpm 5 ft.lb % %		Temper Duty cy Ambien Altitude Protecti Cooling Mountir Rotation Noise le Starting	t temperature on degree method ng n ¹	: 46s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IP55 : IC411 - TI : F-1 : Both (CW : 69.0 dB(A : Direct On : 329 lb	+40°C .s.l. EFC and CCW)	
Dutput	25%	50%	75%	100%	Foundatio	n loads			
Efficiency (%)	89.4	90.2	91.7	92.4	Max. tract		: 476 lb		
Power Factor	0.39	0.65	0.75	0.81	Max. com		: 805 lb		
Sealing Lubrication inter Lubricant amour Lubricant type Notes		- - - -	20	l Seal 000 h I3 g Mol	bil Polyrex	Lip Seal 20000 h 9 g EM			
This revision repl must be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from t 1m and wit weight subj rocess.	the shaft e h tolerance	nd. e of +3dB(/				based on tests wi		
must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr	ed. notor from t 1m and wit weight subj rocess.	the shaft e h toleranc ject to cha	nd. e of +3dB(/	A).	power su				
must be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from t 1m and wit weight subj rocess.	the shaft e h toleranc ject to cha	nd. e of +3dB(/ nges after	A).	power su	pply, subject to th	ne tolerances stipu	lated in NEMA	
nust be eliminate 1) Looking the m 2) Measured at 3) Approximate nanufacturing pr 4) At 100% of fu	ed. notor from t 1m and wit weight subj rocess.	the shaft e h toleranco ject to cha Ch	nd. e of +3dB(/ nges after	A).	power su	pply, subject to th	ne tolerances stipu	lated in NEMA	

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Three Phase Induction Motor - Squirrel Cage

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Customer

		Thermal protection			
ID	Application	Туре	Quantity		Femperature
1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C
Rev.	Chanc	les Summary	Performed	Checked	Date
		,			2 4.0
erformed by					
Checked by				Page	Revision

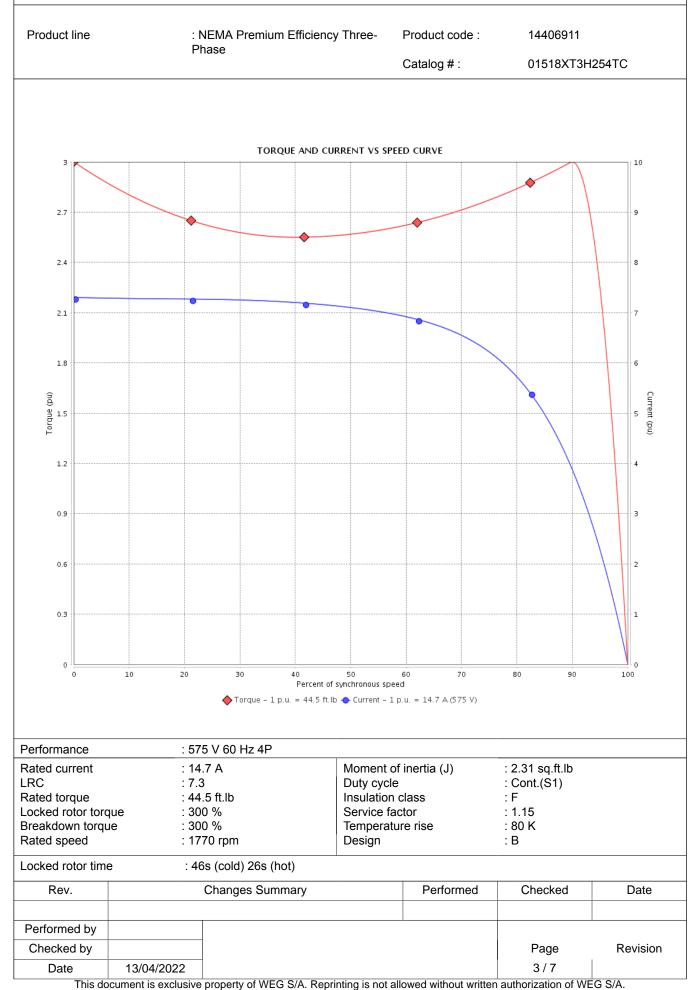
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer



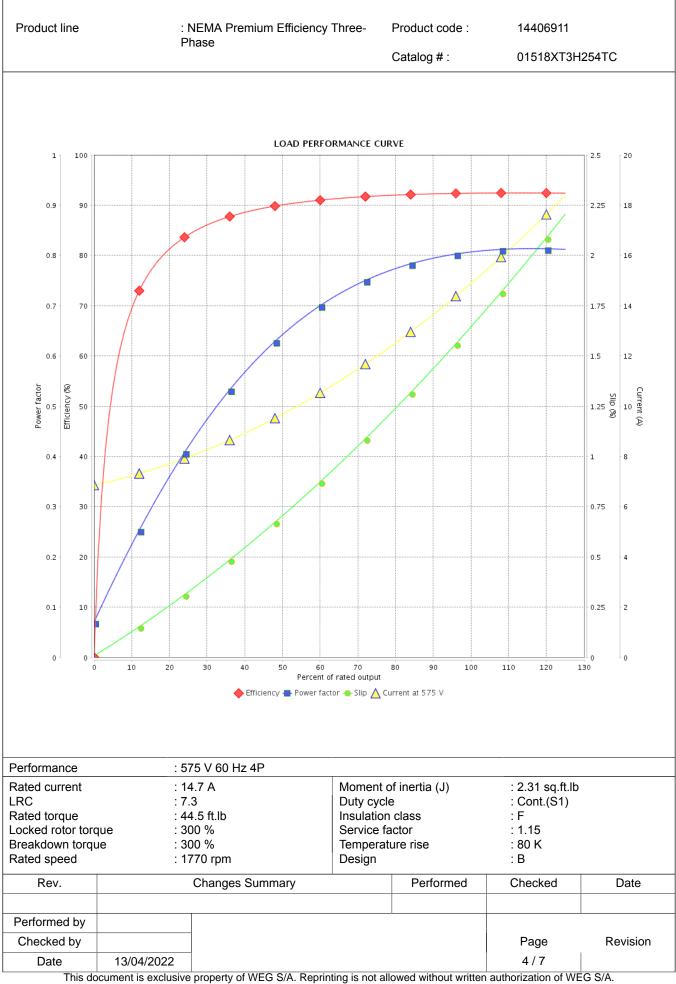
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer



THERMAL LIMIT CURVE

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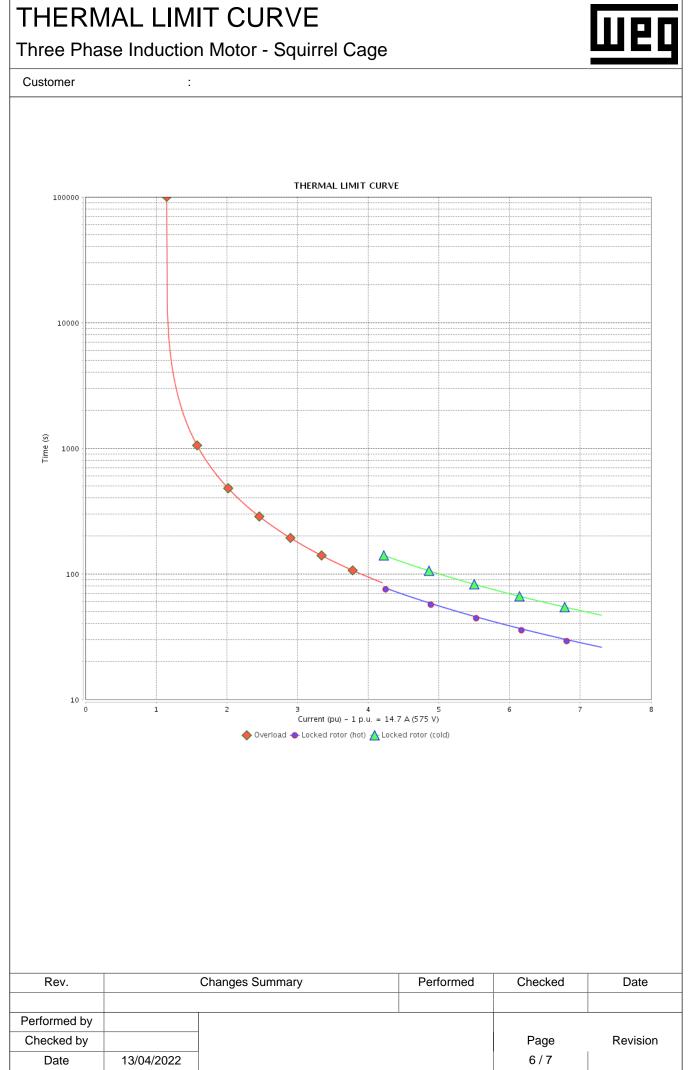
Three Phase Induction Motor - Squirrel Cage

Customer

Phase	Product line	: NEMA Premium Efficiency Three- Phase	Product code :	14406911	
			Catalog # :	01518XT3H254TC	

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Performance	:	575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		14.7 A 7.3 44.5 ft.lb 300 % 300 % 1770 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 2.31 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				5/7	
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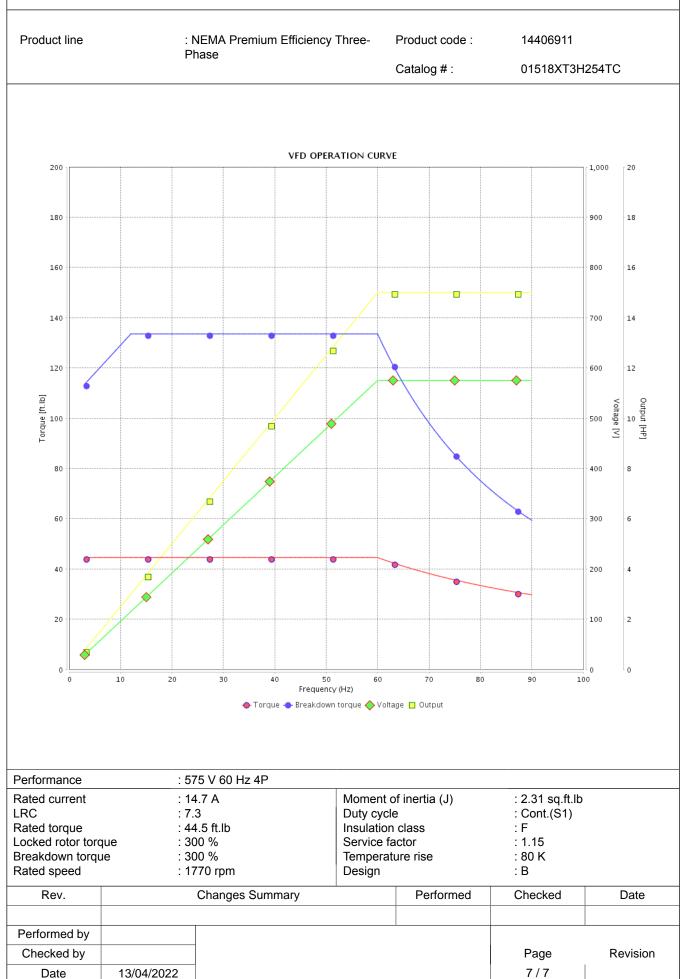
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VFD OPERATION CURVE

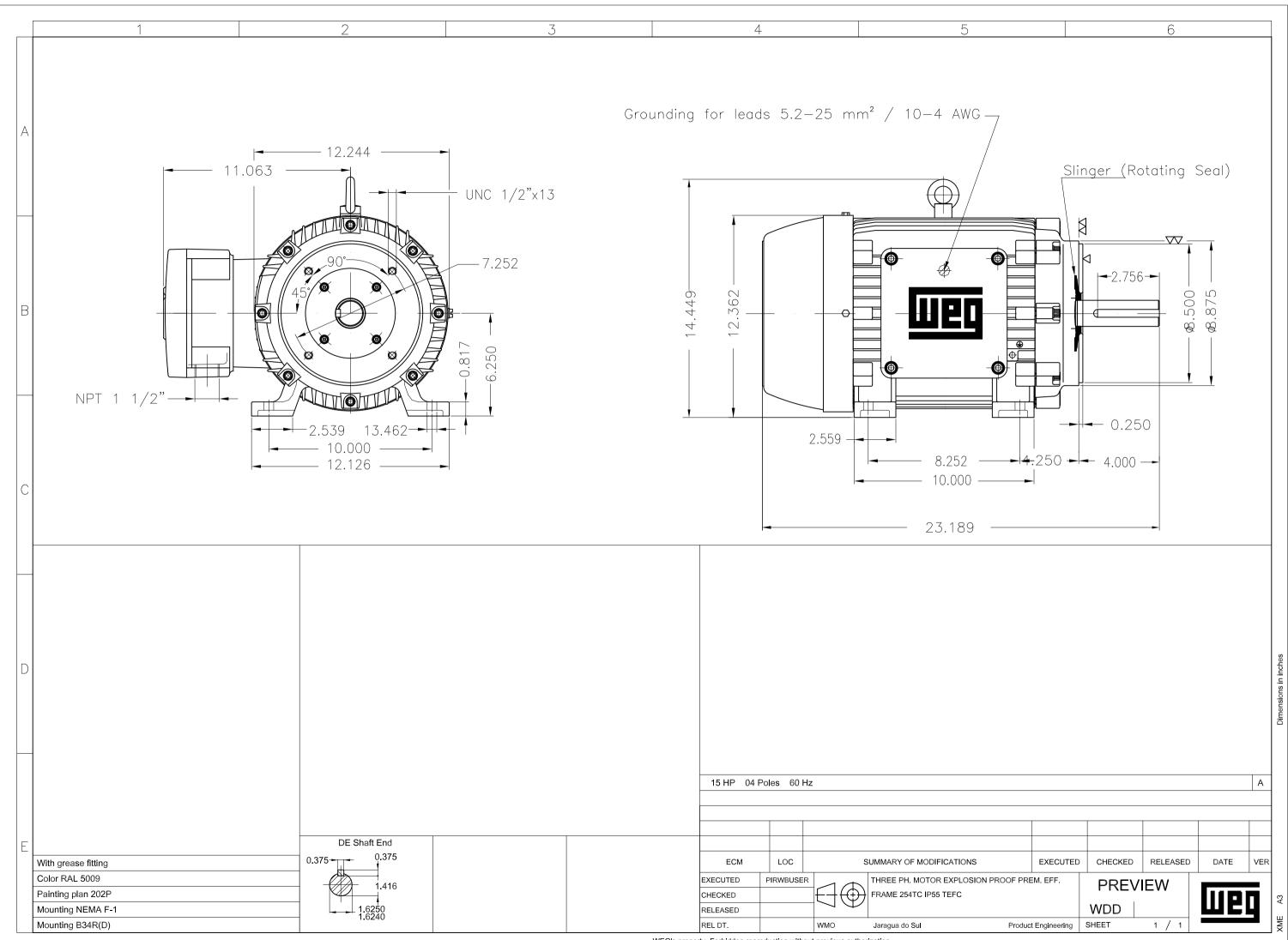
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Three Phase Induction Motor - Squirrel Cage

Customer



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