DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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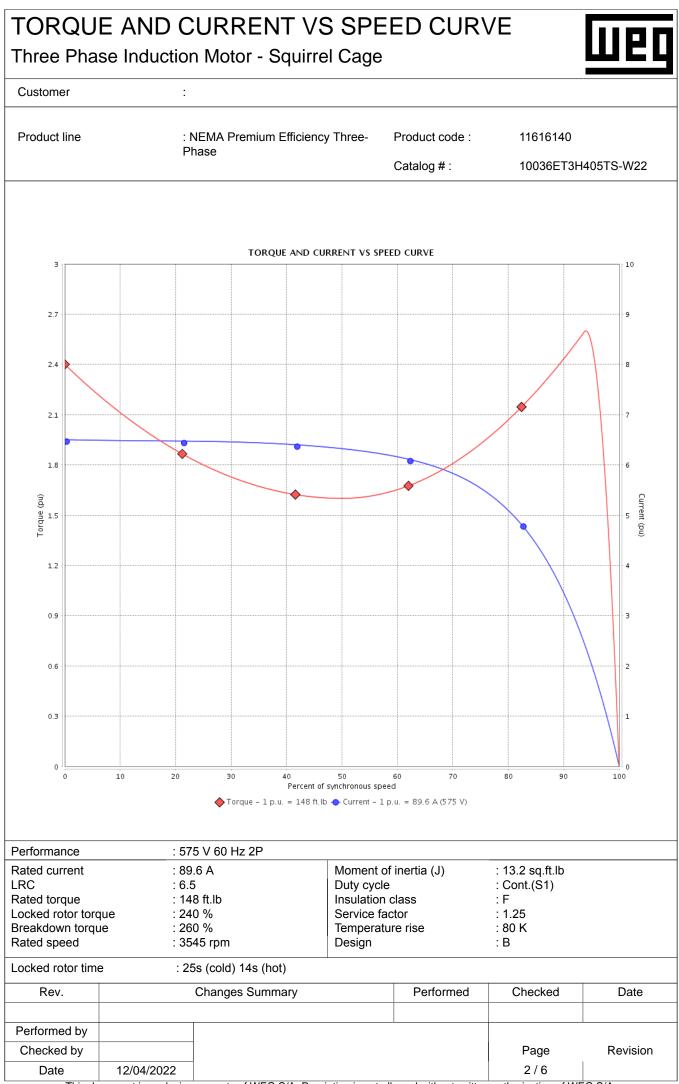
Customer

Product line		: NEMA Premium Efficiency Thr Phase			Three- I	Product code :	11616140	
			-		(Catalog # :	10036ET3H	1405TS-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque		: 404/5TS : 100 HP (75 kW) : 2 : 60 Hz : 575 V : 89.6 A : 582 A : 6.5x(Code G) : 20.8 A : 3545 rpm : 1.53 % : 148 ft.lb			Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³		: 25s (cold) 14s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 79.0 dB(A) : Direct On Line : 1101 lb	
Locked rotor toro Breakdown torqu Insulation class Service factor Moment of inerti Design	ue	: 240 : 260 : F : 1.25 : 13.2 : B	%					
Output	25%	50%	75%	100%	Foundatic	on loads	·	
Efficiency (%) Power Factor	92.8 0.61	93.0 0.83	94.1 0.88	94.1 0.89	Max. tract Max. com		: 605 lb : 1706 lb	
Lubrication inter								
Lubricant amour Lubricant type Notes	11	:		27 g Mo	bil Polyrex	27 g EM		
Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at (3) Approximate of manufacturing pr	aces and c ed. notor from f 1m and wit weight sub ocess.	the shaft e h toleranc	previous c end. e of +3dB(Mo one, which A).	These an	EM e average values	s based on tests wi	
Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at ((3) Approximate of manufacturing pr	aces and c ed. notor from f 1m and wit weight sub ocess.	the shaft e h toleranc ject to cha	previous c end. e of +3dB(Mo one, which A).	These arr power su	EM e average values		
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 f 1m and wit weight sub ocess.	the shaft e h toleranc ject to cha	previous c end. e of +3dB(inges after	Mo one, which A).	These arr power su	EM e average values pply, subject to th	ne tolerances stipu	lated in NEMA
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 c ed. notor from f 1m and wit weight sub ocess.	the shaft e h toleranc ject to cha	previous c end. e of +3dB(inges after	Mo one, which A).	These arr power su	EM e average values pply, subject to th	ne tolerances stipu	lated in NEMA

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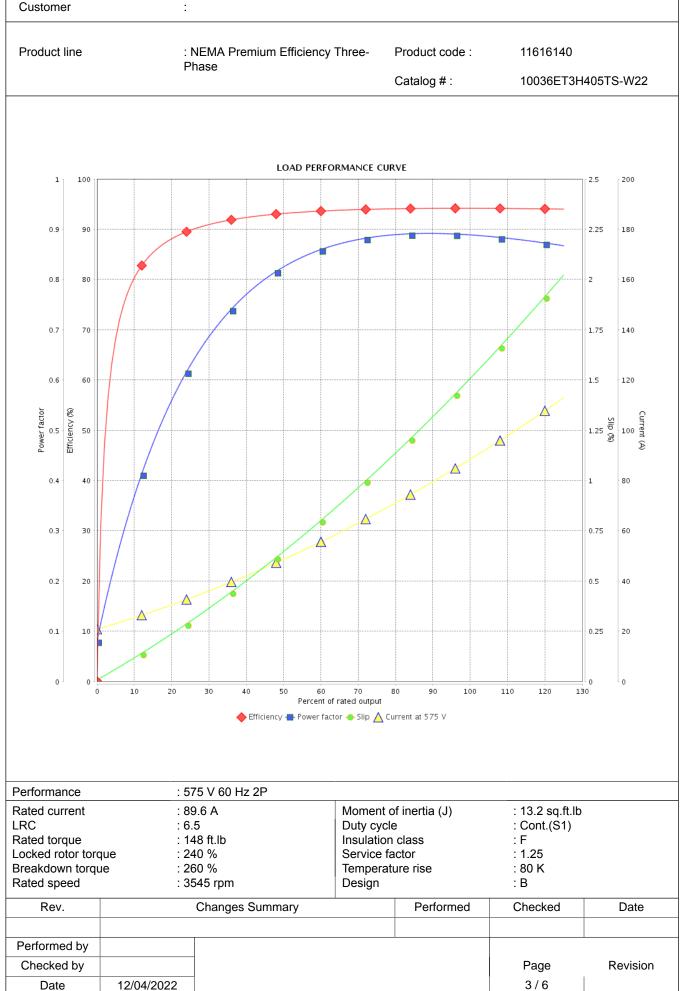
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer

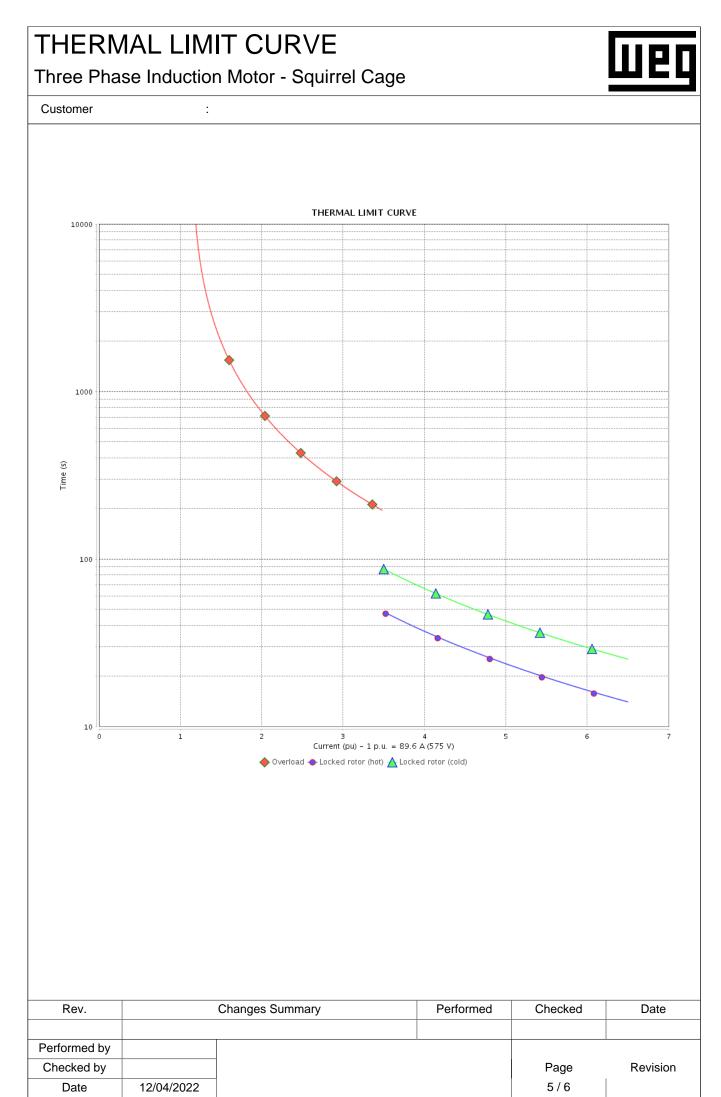


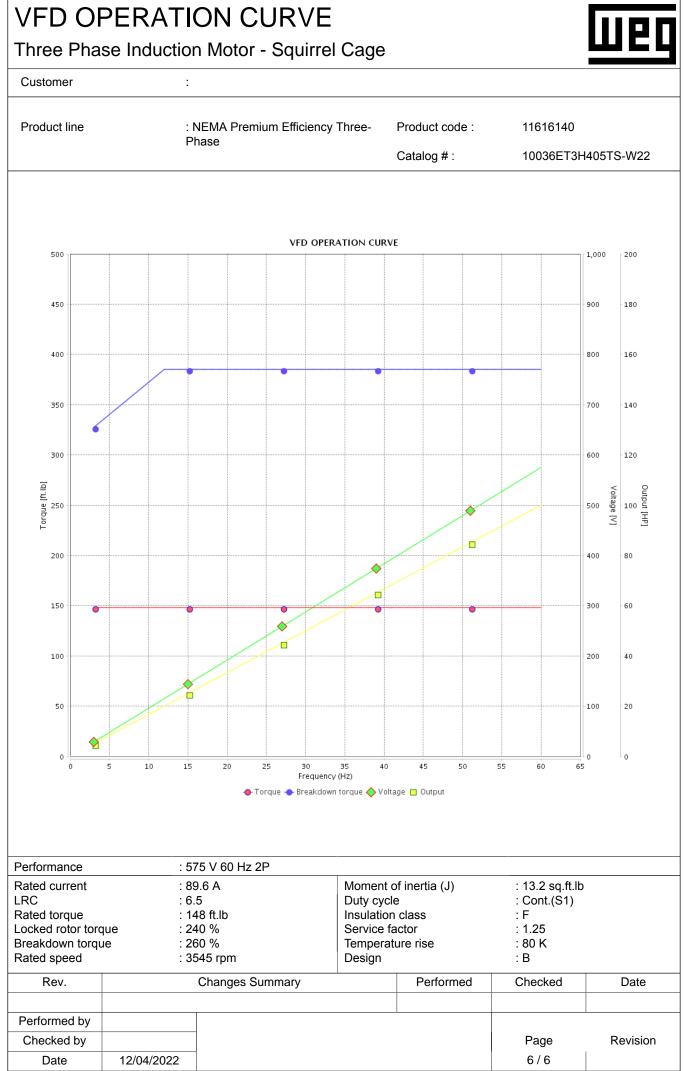
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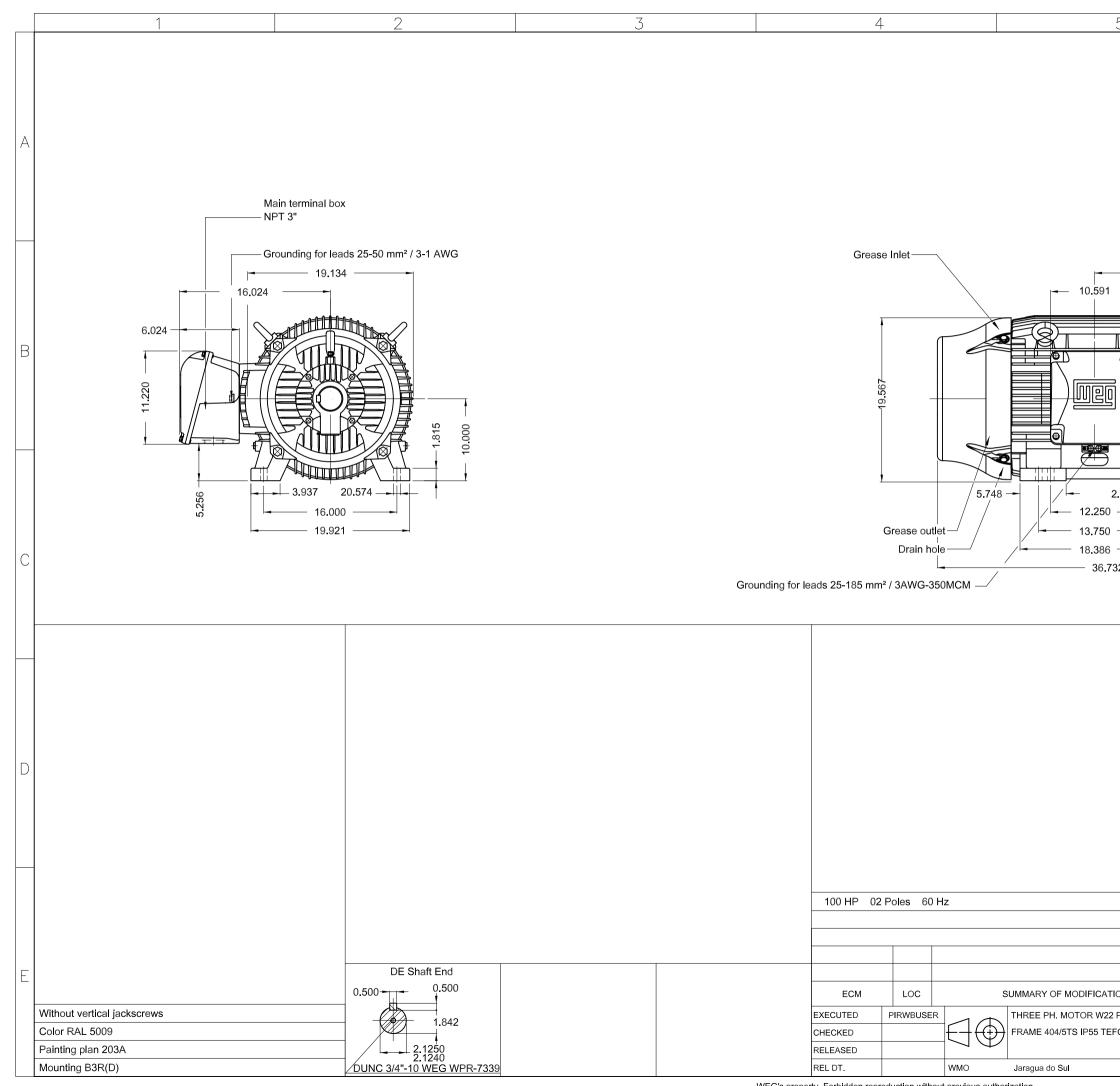
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THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage						
						Customer
Product line	: NEMA Premium Efficiency Three-	Product code :	11616140			
	Phase	Catalog # :	10036ET3H405TS-W22			

Performance : 575 V 60 Hz 2P		75 V 60 Hz 2P				
Locked rotor torque		39.6 AMoment o5.5Duty cycle148 ft.lbInsulation240 %Service fa260 %Temperation		class ctor	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K	
•		545 rpm	Design		: B	
Heating constant						
Cooling constant						
Rev. Changes Summary		Changes Summary		Performed	Checked	Date
Performed by						
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Date	12/04/2022	1			4 / 6	







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