DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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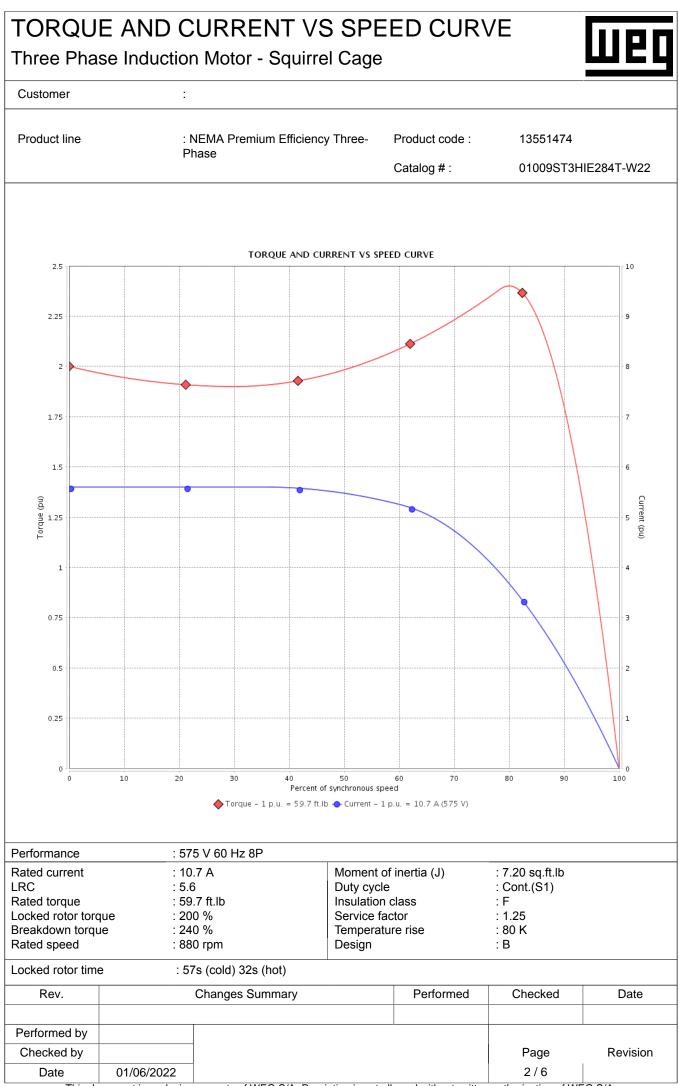
Customer

		: NEMA Premium Efficiency Th Phase			Three- Product code :		13551474	13551474	
		1 1143	~			Catalog # :	01009ST3H	HE284T-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	: 8 : 60 F : 575 : 10.7 : 60.0 : 5.6 : 5.20 : 2.22 : 59.7 : 200 : 240 : F : 1.25	HP (7.5 kW Hz 7 A 0 A ((Code G) 0 A rpm 2 % 7 ft.lb % %)	Temper Duty cy Ambier Altitude Protect Cooling Mountin Rotatio Noise Io Starting	it temperature ion degree j method ng n ¹	: 57s (cold : 80 K : Cont.(S1) : -20°C to : 1000 m.a : IP55 : IC411 - T : F-1 : Both (CW : 54.0 dB(A : Direct On : 364 lb) +40°C s.I. EFC / and CCW) A)	
Dutput	25%	50%	75%	100%	Foundatio				
Efficiency (%)	89.3	89.5	90.2	90.2	Max. trac		: 442 lb		
Power Factor	0.36	0.61	0.72	0.78	Max. com		: 806 lb		
Sealing Lubrication inter Lubricant amour			20	o/Seal 000 h		Inpro/Seal 20000 h			
Lubricant type Notes		:		18 g Mo	bil Polyrex	EM			
This revision repl nust be eliminate 1) Looking the m 2) Measured at 3) Approximate manufacturing pr	ed. notor from t 1m and with weight subj rocess.	he shaft e h toleranc	previous o end. e of +3dB(/	ne, which	These a				
Notes This revision repl nust be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr	ed. notor from t 1m and with weight subj rocess.	he shaft e n toleranc ect to cha	previous o end. e of +3dB(<i>i</i> inges after	ne, which A).	These at power su	EM Te average values			
Notes 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 with weight subj rocess.	he shaft e n toleranc ect to cha	previous o end. e of +3dB(/	ne, which A).	These at power su	EM Te average values apply, subject to th	e tolerances stip	ulated in NEMA	
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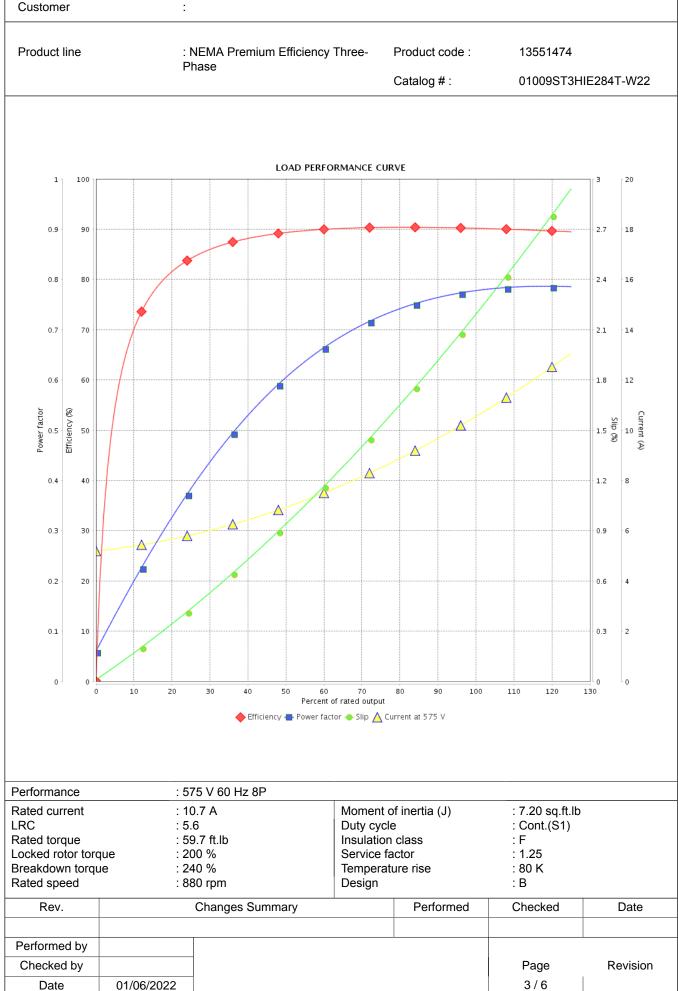
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LOAD PERFORMANCE CURVE

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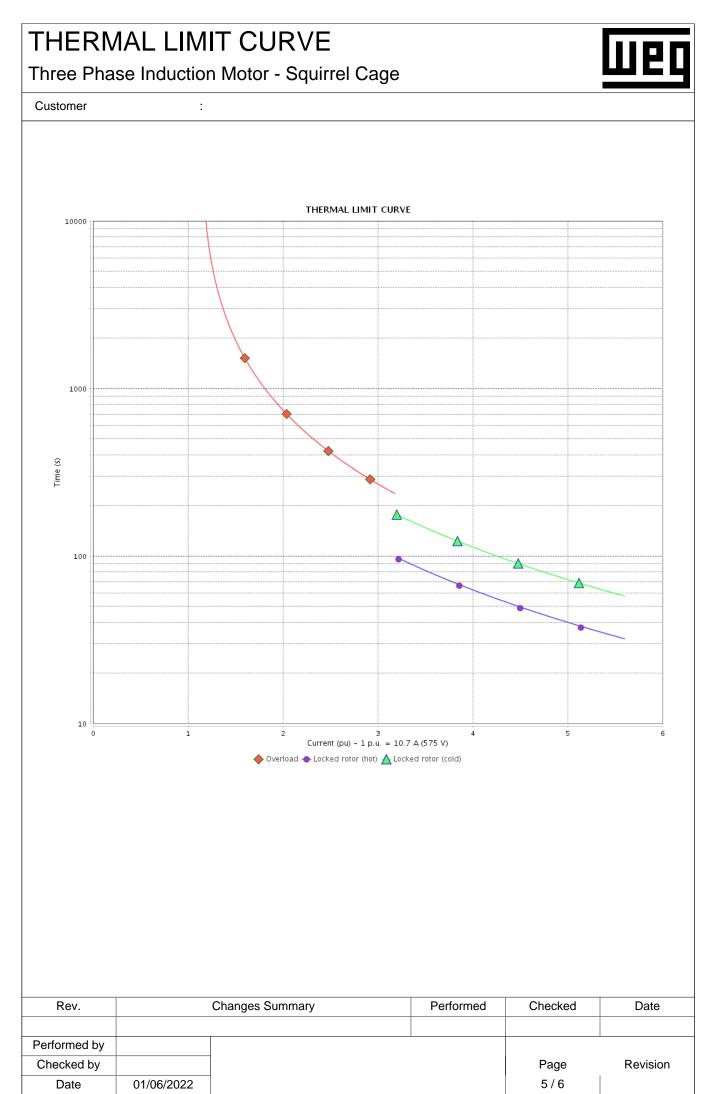
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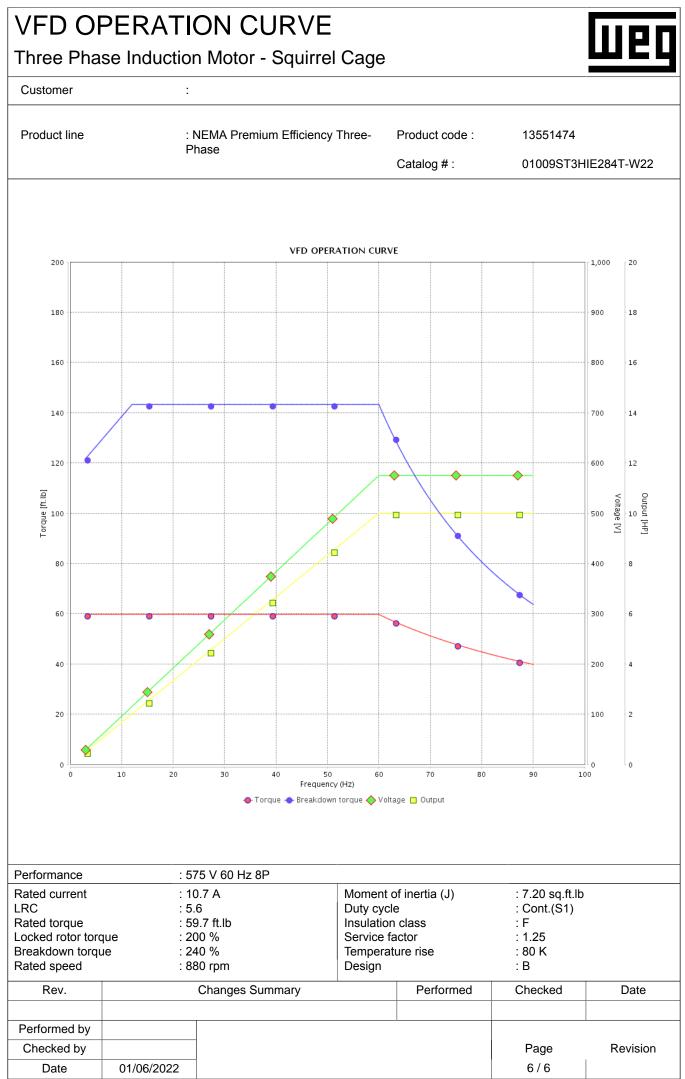
THERMAL LIMIT CURVE				
Three Phase In	duction Motor - Squirrel Cage	;	шсч	
Customer				
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	13551474	
	Theorem 1	Catalog # :	01009ST3HIE284T-W22	

Performance	: 5	575 V 60 Hz 8P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 5 : 5 ; 2 ; 2 ; 2	10.7 A 5.6 59.7 ft.lb 200 % 240 % 380 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 7.20 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant	t				·	
Cooling constant	t					
Rev. Changes Summary		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision
Date	01/06/2022				4 / 6	

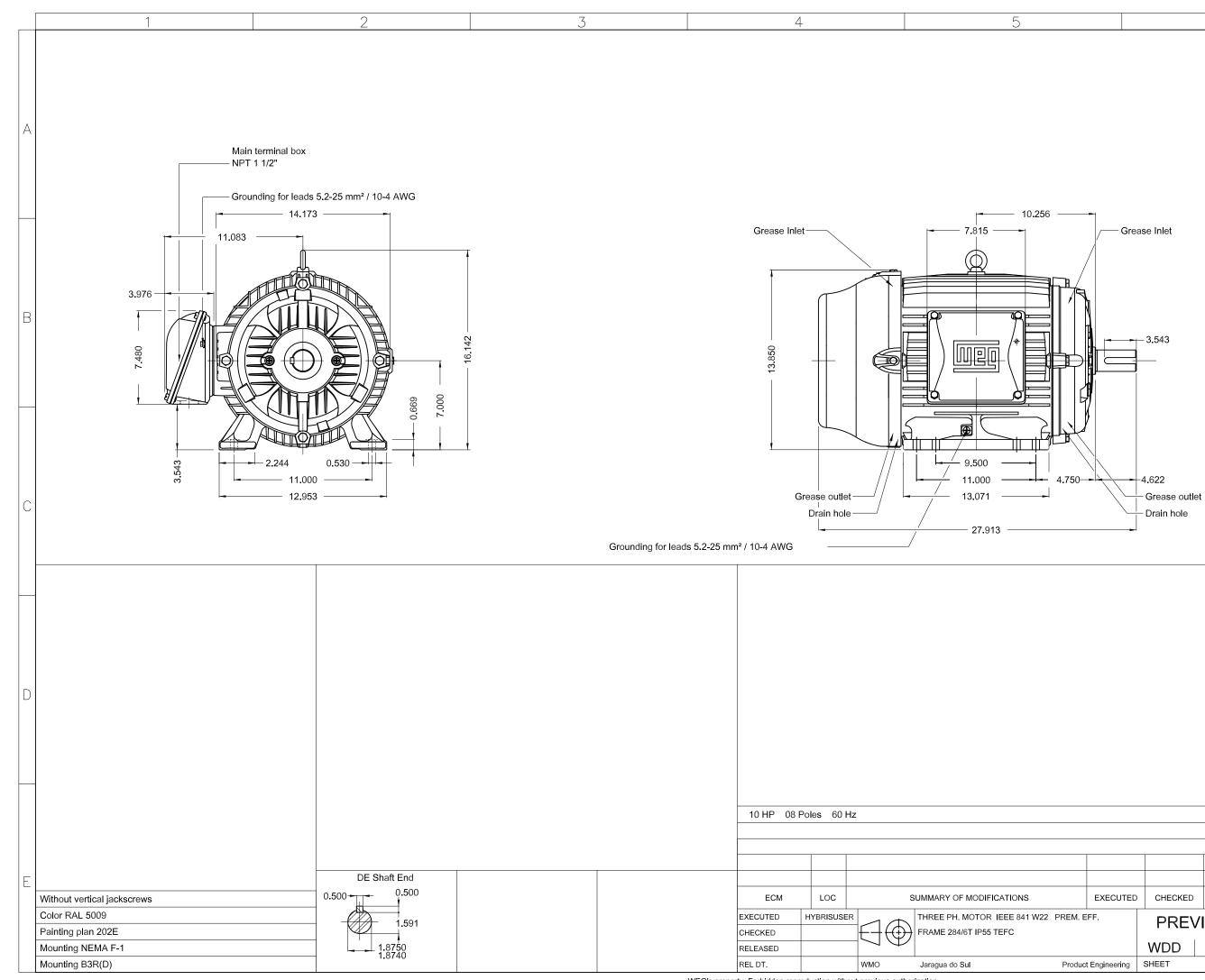
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