DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

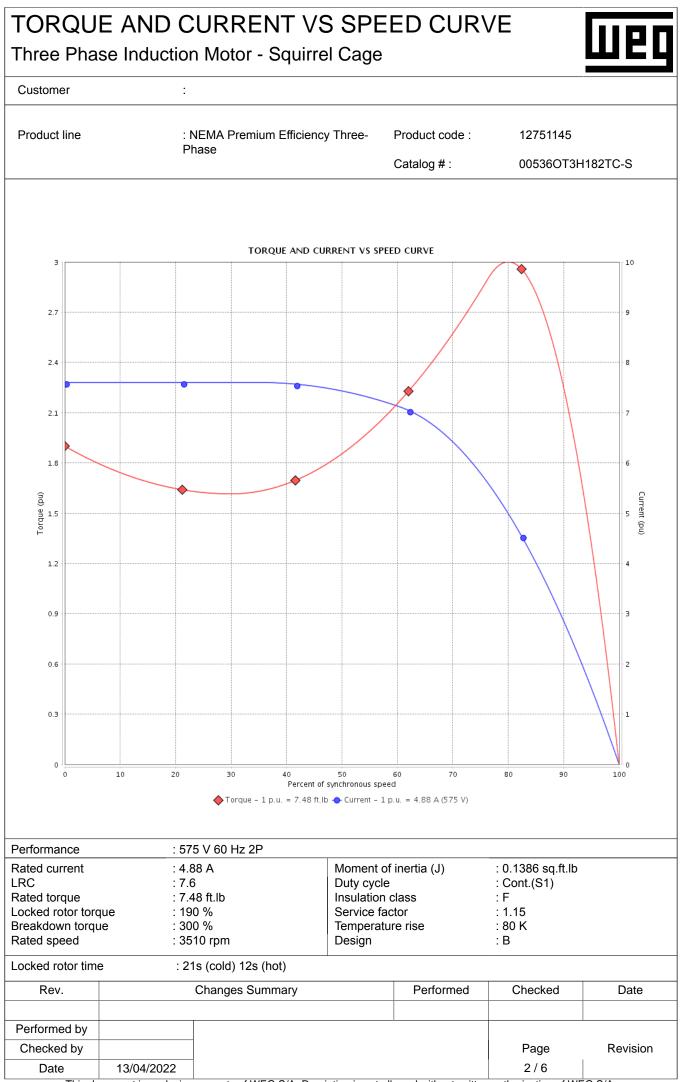
Product line		: NEMA Premium Efficiency Three- Phase		Three- Product code :	12751145	
				Catalog # :	00536OT3H	I182TC-S
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torqu Insulation class Service factor		: 182/4TC : 5 HP (3.7 : 2 : 60 Hz : 575 V : 4.88 A : 37.1 A : 7.6x(Cod : 2.06 A : 3510 rpm : 2.50 % : 7.48 ft.lb : 190 % : 300 % : F : 1.15	le J) 1	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³	: 21s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IC01 - OD : F-1 : Both (CW : 65.0 dB(A : Direct On : 64.3 lb	40°C s.l. P and CCW)
Moment of inerti Design	a (J)	: 0.1386 s : B	q.ft.lb			
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	85.5	86.5	86.5	Max. traction	: 111 lb	
Power Factor	0.73	0.83	0.88	Max. compression	: 175 lb	
			Drive end	Non drive en	<u>d</u>	
Bearing type Sealing Lubrication inter Lubricant amour		: Wit	6206 ZZ hout Bearing Seal - -	6205 ZZ Without Bearing - -	ı Seal	
Lubricant type		:	Mol	bil Polyrex EM		
Notes Notes This revision repl must be eliminate	ed.	-		These are average values power supply, subject to the supply		
Notes This revision repl	ed. notor from th 1m and with weight subje rocess.	ne shaft end. I tolerance of +	ous one, which -3dB(A).	These are average values		
Notes This revision repl must be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr	ed. notor from th 1m and with weight subje rocess.	ne shaft end. I tolerance of + ect to changes	ous one, which -3dB(A).	These are average values power supply, subject to the supply		
This revision repl nust be eliminate 1) Looking the m 2) Measured at 3) Approximate manufacturing pr 4) At 100% of fu Rev.	ed. notor from th 1m and with weight subje rocess.	ne shaft end. I tolerance of + ect to changes	ous one, which •3dB(A). after	These are average values power supply, subject to the MG-1.	ne tolerances stipu	lated in NEMA
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 th 1m and with weight subje rocess.	ne shaft end. I tolerance of + ect to changes	ous one, which •3dB(A). after	These are average values power supply, subject to the MG-1.	ne tolerances stipu	lated in NEMA

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 Date
 13/04/2022

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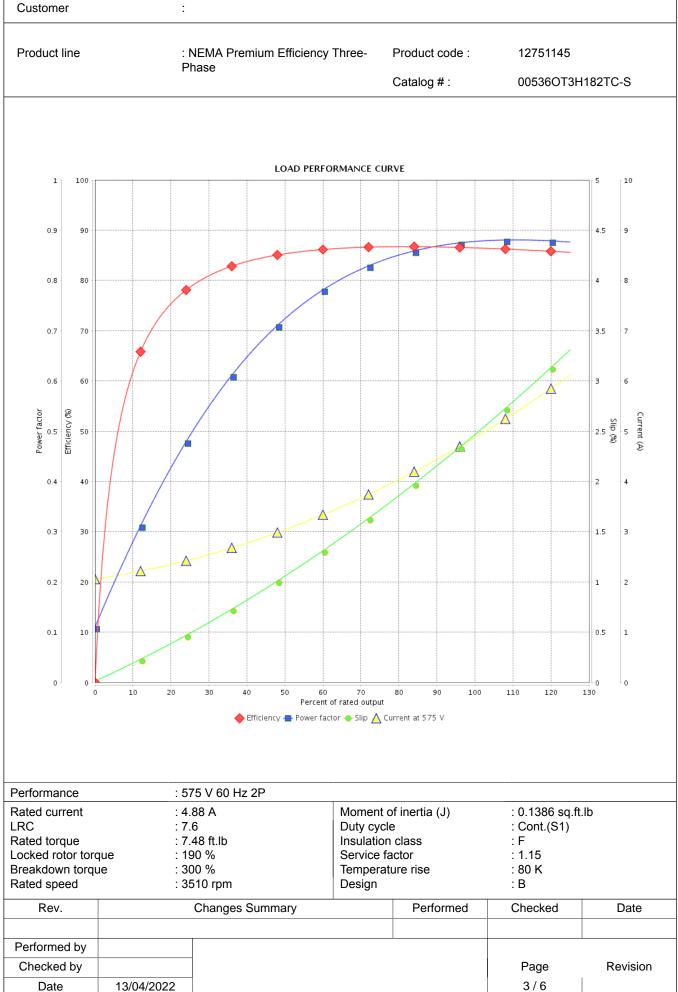


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LOAD PERFORMANCE CURVE

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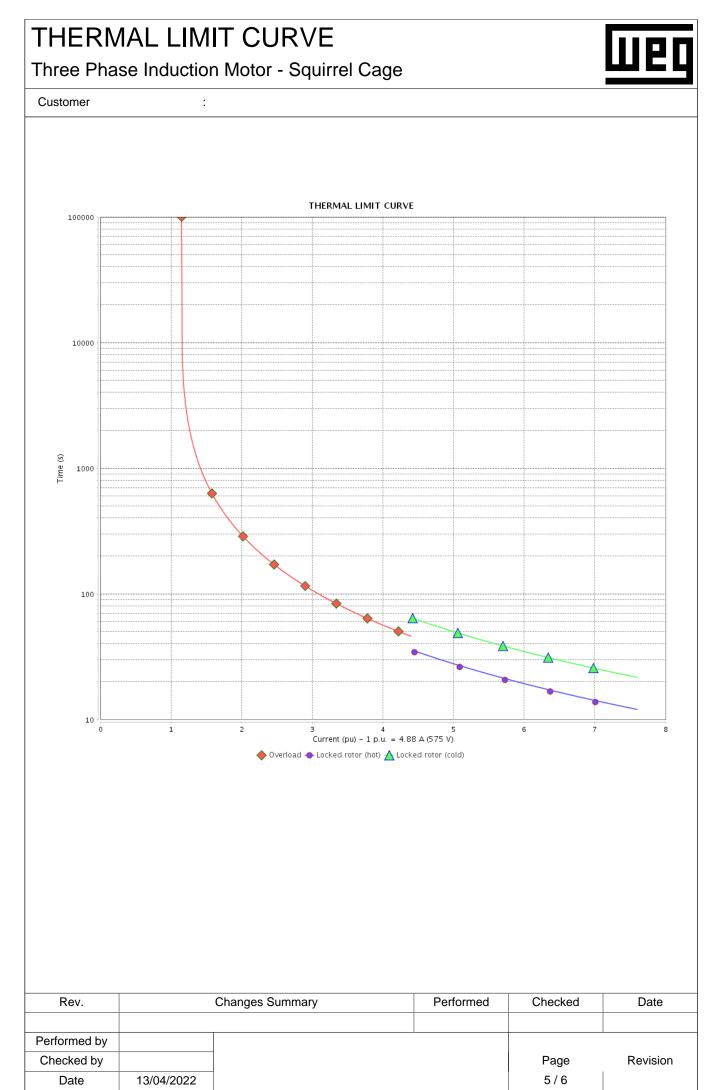
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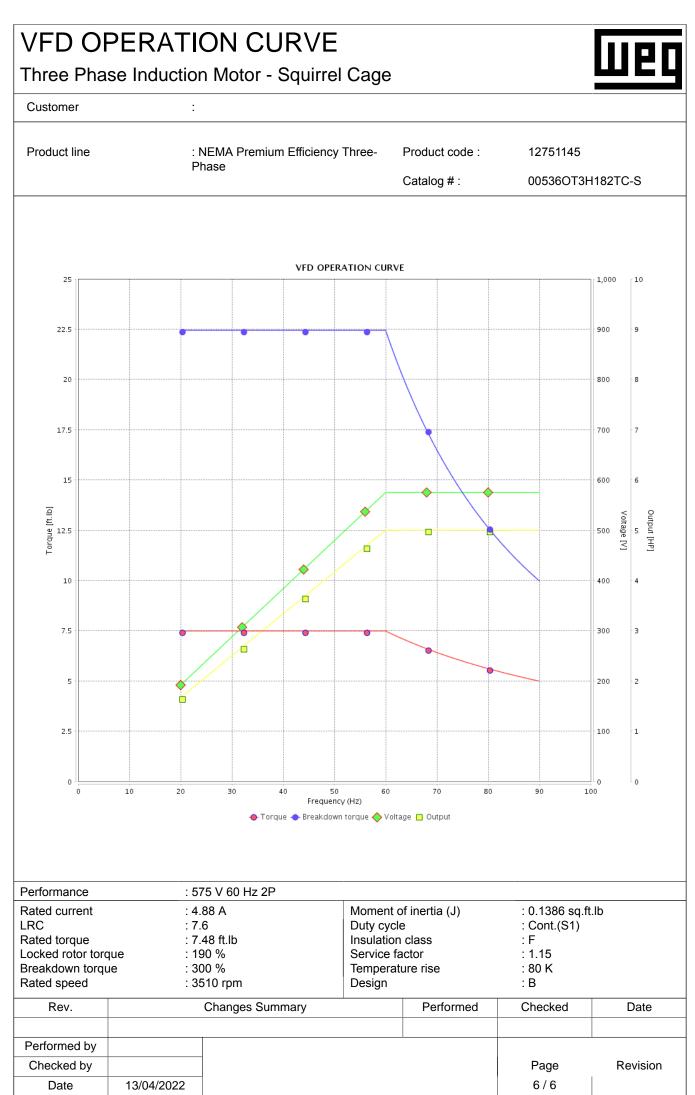
Customer	:			
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12751145	
	Phase	Catalog # :	00536OT3H182TC-S	

Performance	: 575 V 60 Hz 2P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		4.88 A 7.6 7.48 ft.lb 90 % 600 % 5510 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1386 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
Heating constant	t						
Cooling constant	t						
Rev.		Changes Summary		Performed	Checked	Date	
Performed by						•	
Checked by					Page	Revision	
Date	13/04/2022				4 / 6		

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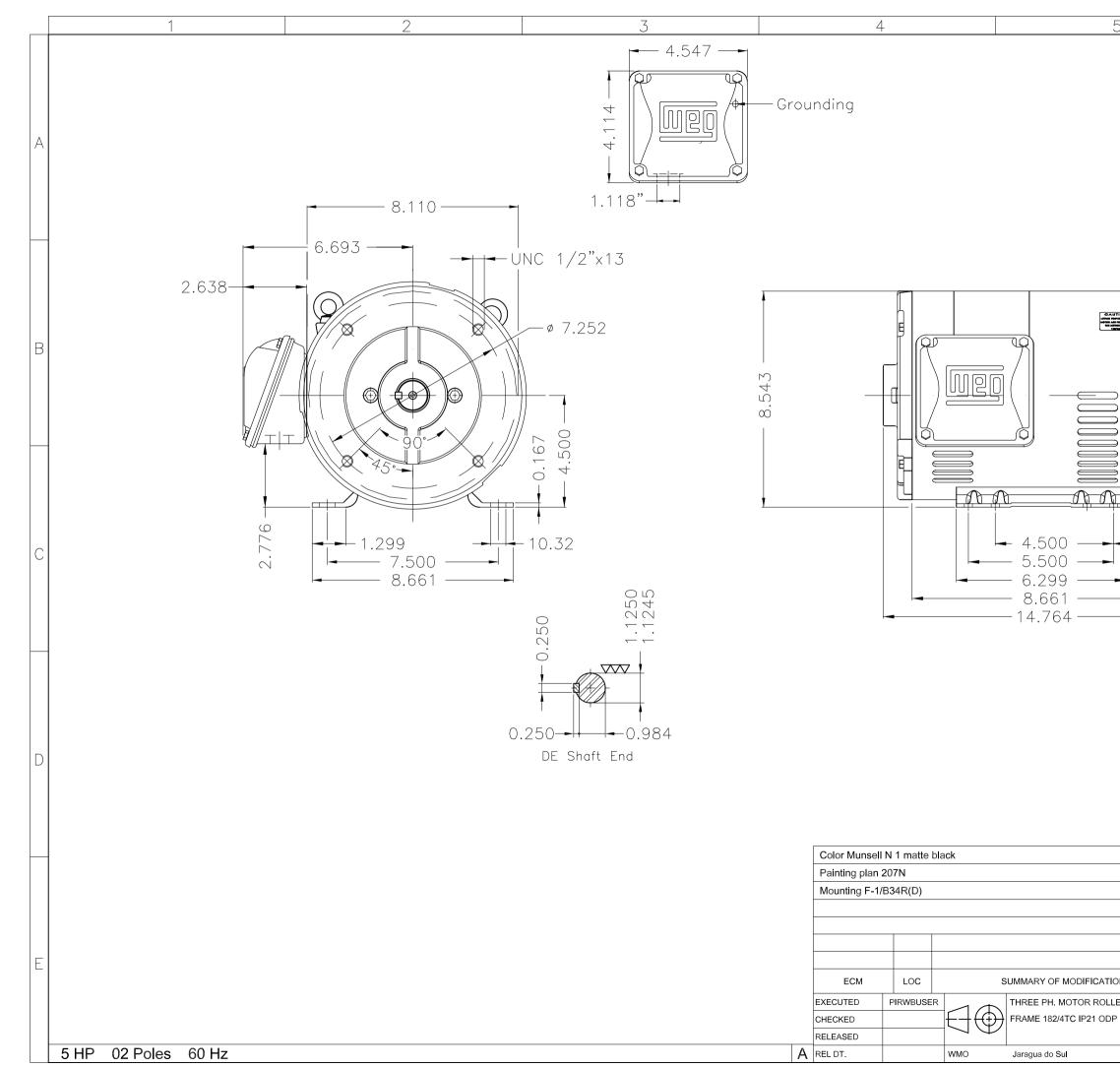


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