DATA SHEET Three Phase Induction Motor - Squirrel Cage

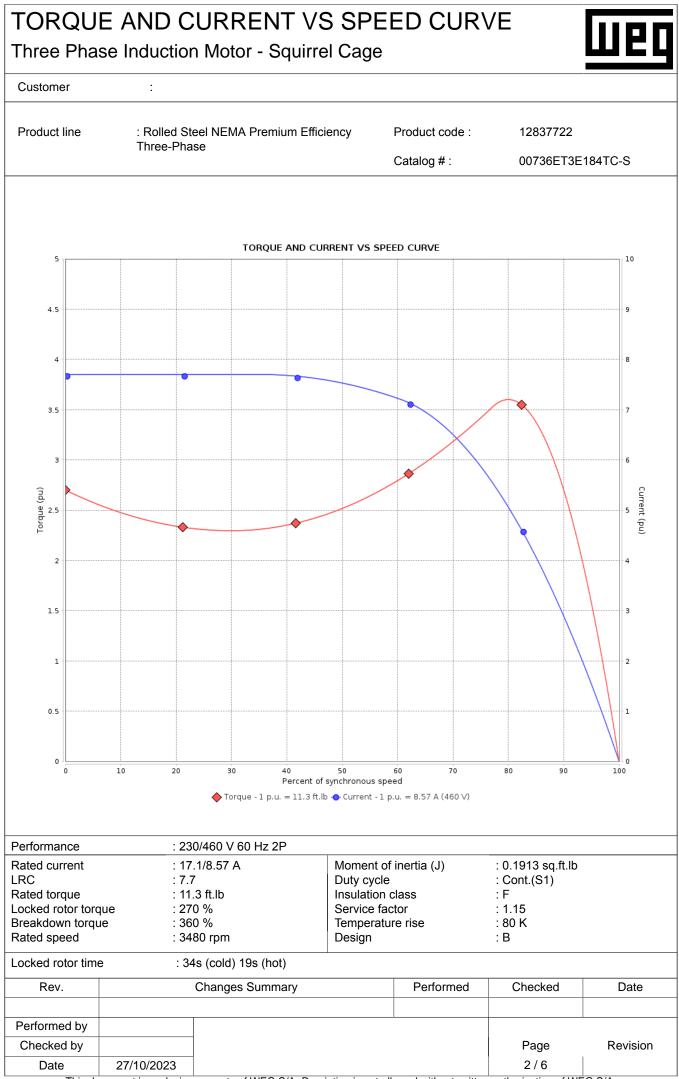
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Customer

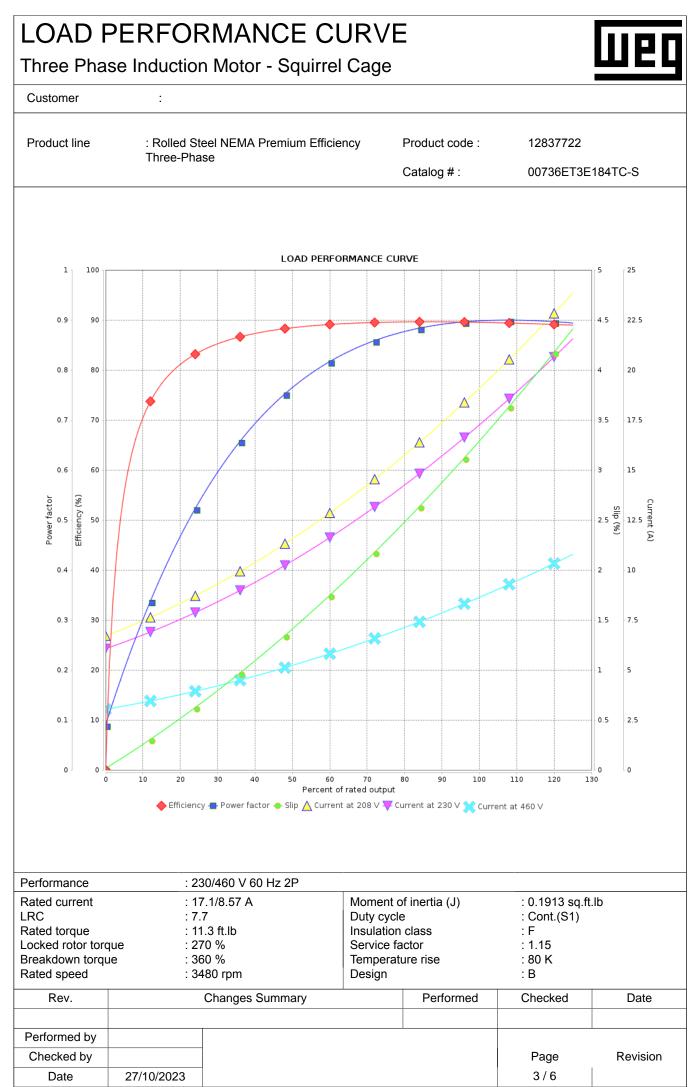
Product line	: Rolled Steel NEMA Premium Efficien Three-Phase			5		12837722	
	11100			Catalog # :	00736ET3E	184TC-S	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torc Breakdown torqu		: 182/4TC : 7.5 HP (5 : 2 : 60 Hz : 230/460 \ : 17.1/8.57 : 132/66.0 : 7.7x(Cod : 6.07/3.04 : 3480 rpm : 3.33 % : 11.3 ft.lb : 270 % : 360 %	V A A e H) A	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	: 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IP55 : IC411 - TE : F-1 : Both (CW : 68.0 dB(A	: Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 68.0 dB(A) : Direct On Line	
Insulation class Service factor Moment of inertia Design		: F : 1.15 : 0.1913 so : B	q.ft.lb				
Output	50%	75%	100%	Foundation loads			
Efficiency (%) Power Factor	88.5 0.77	89.5 0.86	89.5 0.90	Max. traction Max. compression	: 214 lb : 306 lb		
Bearing type		•	6206 ZZ	14.000	A 1		
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type Notes USABLE @208V	ıt	.00 SFA 19.04	V'Ring - - Mo	Without Bearing - obil Polyrex EM	g Seal		
Sealing Lubrication interv Lubricant amoun Lubricant type Notes	t 19.0A SF 1 aces and ca ed. lotor from th Im and with weight subje ocess.	ncel the previ e shaft end. tolerance of +	V'Ring - - Mo	-	s based on tests wi		
Sealing Lubrication interview Lubricant amount Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the mi (2) Measured at 1 (3) Approximate view manufacturing pro-	t 19.0A SF 1 aces and ca ed. lotor from th Im and with weight subje ocess.	ncel the previo e shaft end. tolerance of + ct to changes	V'Ring - - Mo	- bbil Polyrex EM	s based on tests wi		
Sealing Lubrication interv Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	t 19.0A SF 1 aces and ca ed. lotor from th Im and with weight subje ocess.	ncel the previo e shaft end. tolerance of + ct to changes	V'Ring - - Mo A au Dous one, which 3dB(A). after	These are average values power supply, subject to t MG-1.	s based on tests wi he tolerances stipu	lated in NEMA	

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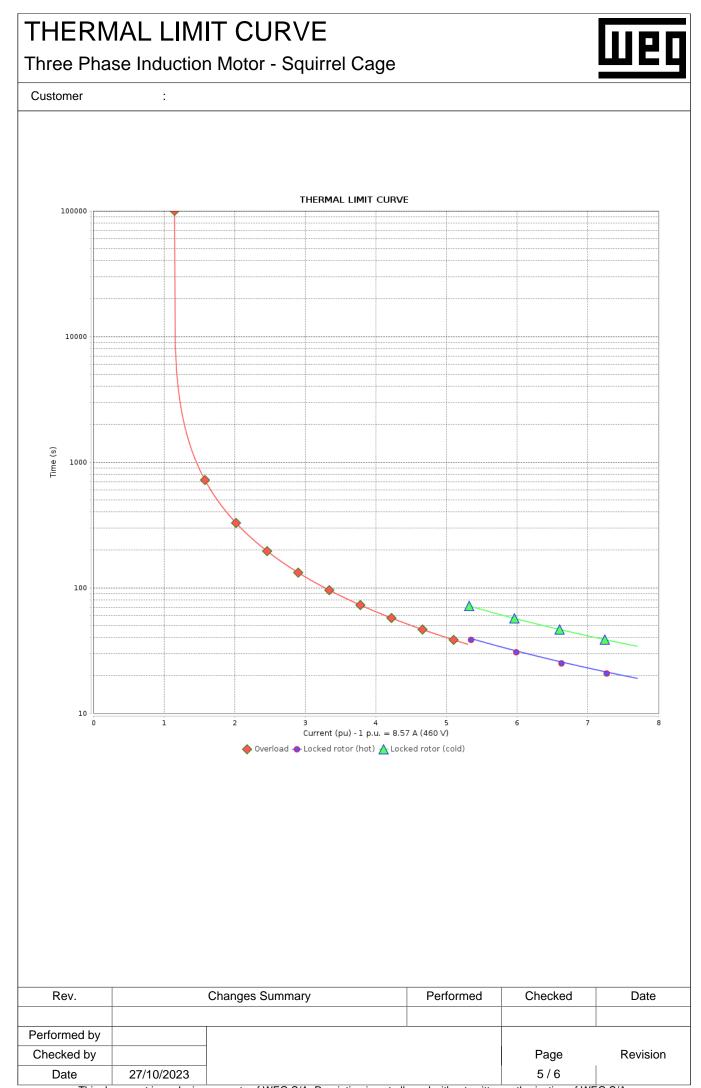


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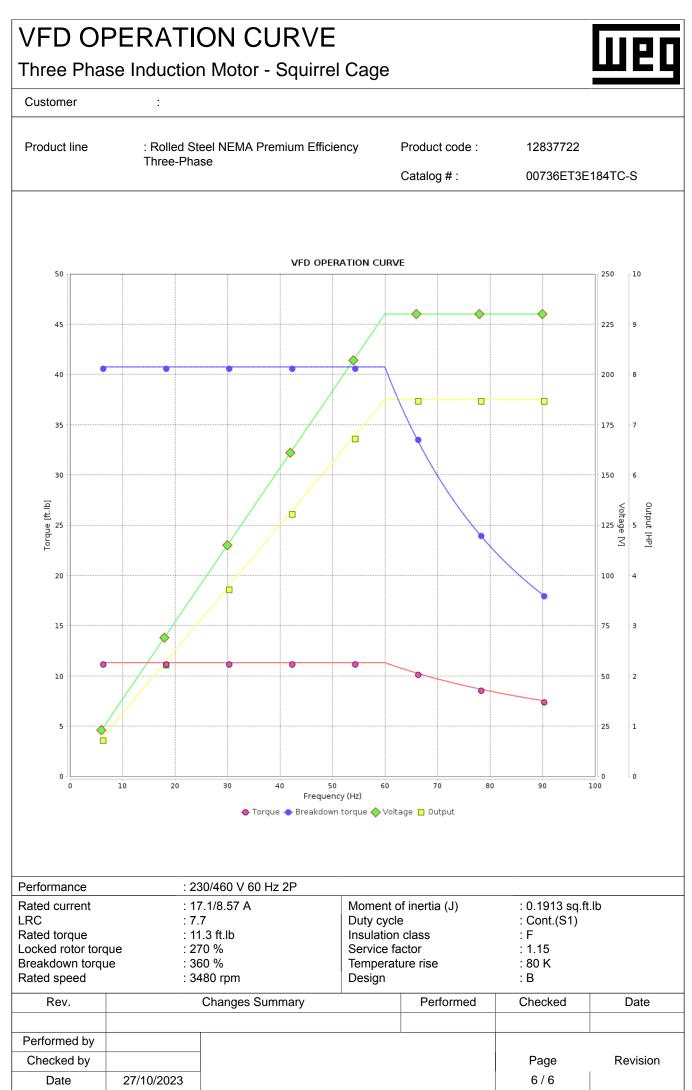
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THERMAL LIMIT CURVE									
Three Pha	se Inductior	n Motor - Squirre	Cage						
Customer	:								
Product line	: Rolled Ste	teel NEMA Premium Efficiency		Product code :	12837722	12837722			
	Three-Pha			Catalog # :		00736ET3E184TC-S			
D. (0/400 // 00 // 07							
Performance Rated current		0/460 V 60 Hz 2P .1/8.57 A	Moment o	f inertia (J)	: 0.1913 sq.ft.	lb			
LRC : 7.7		Moment of inertia (J) Duty cycle Insulation class Service factor		: Cont.(S1)	: Cont.(S1)				
Rated torque: 11.3 ft.lbLocked rotor torque: 270 %				: F : 1.15					
Breakdown torque : 360 %		Temperature rise		: 80 K					
Rated speed		80 rpm	Design		: B				
Heating constan Cooling constan									
Rev.		Changes Summary	1	Performed	Checked	Date			
Performed by									
Checked by	07/10/0000				Page	Revision			
Date	27/10/2023				4 / 6				

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