DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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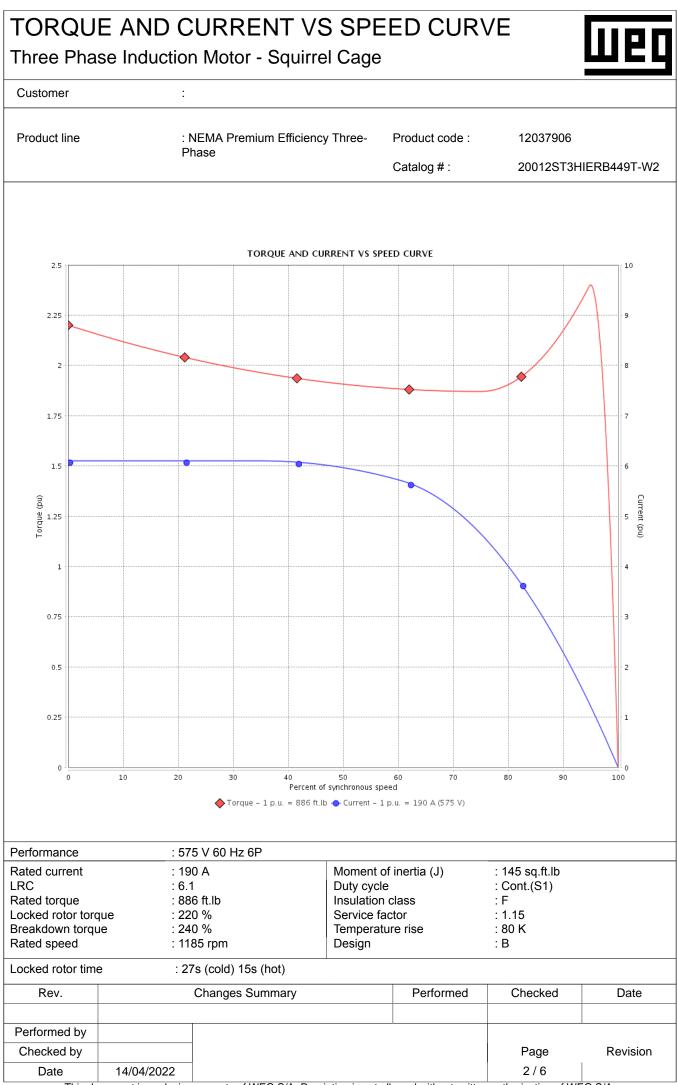


Product line		: NEN Phas		m Efficiency ⊺		duct code : alog # :	12037906 20012ST3H	IIERB449T-W2
Frame Output Poles Frequency Rated voltage Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torqu Insulation class Service factor Moment of inertia Design	ue	: 6 : 60 F : 575 : 190 : 115 : 6.1x : 68.0 : 118 : 1.25 : 886 : 220 : 240 : F : 1.15	HP (150 k Hz A 7 A ((Code G)) A 5 rpm 5 % ft.lb % %	:W)	Locked roto Temperatur Duty cycle Ambient te Altitude Protection Cooling me Mounting Rotation ¹ Noise level Starting me Approx. we	or time re rise mperature degree ethod	: 27s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a : IP55 : IC411 - TI : F-1 : Both (CW : 70.0 dB(A : Direct On : 2856 lb	+40°C .s.l. EFC and CCW)
Output	25%	50%	75%	100%	Foundation lo	oads		
Efficiency (%) Power Factor	94.5 0.45	95.0 0.68	95.4 0.79	95.8 0.83	Max. traction Max. compre		: 4242 lb : 7099 lb	
Bearing type Sealing Lubrication interv Lubricant amour		:	Inp 7	-322 C3 ro/Seal 000 h		6319 C3 Inpro/Seal 13000 h		
Lubricant type Notes		: cancel the				verage values	based on tests w	
Notes	ed. notor from 1m and wit weight sub ocess.	the shaft e th toleranc	previous c nd. e of +3dB(one, which A).	These are a	verage values	based on tests wi	
Notes This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro-	ed. notor from 1m and wit weight sub ocess.	the shaft e th toleranc ject to cha	previous c nd. e of +3dB(one, which	These are a power suppl MG-1.	verage values		
Notes This revision repl must be eliminate (1) Looking the m (2) Measured at (3) Approximate v manufacturing pro (4) At 100% of ful	ed. notor from 1m and wit weight sub ocess.	the shaft e th toleranc ject to cha	previous c and. e of +3dB(inges after	one, which	These are a power suppl MG-1.	verage values y, subject to th	ne tolerances stipu	lated in NEMA
Notes This revision repl must be eliminate 1) Looking the m 2) Measured at 3) Approximate v manufacturing pro- 4) At 100% of ful Rev.	ed. notor from 1m and wit weight sub ocess.	the shaft e th toleranc ject to cha	previous c and. e of +3dB(inges after	one, which	These are a power suppl MG-1.	verage values y, subject to th	ne tolerances stipu	lated in NEMA

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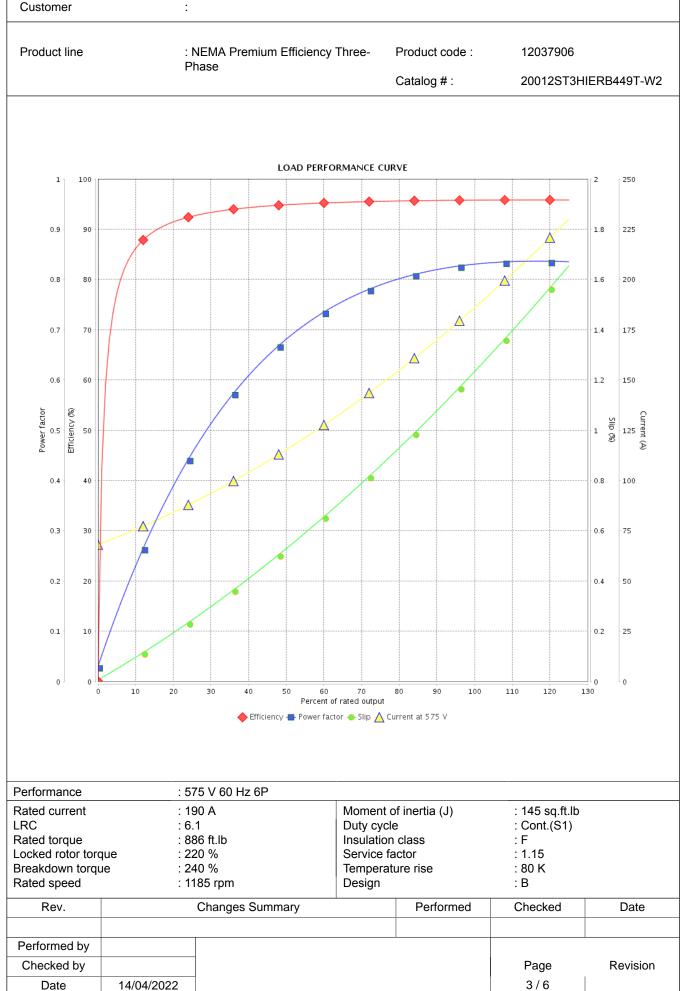


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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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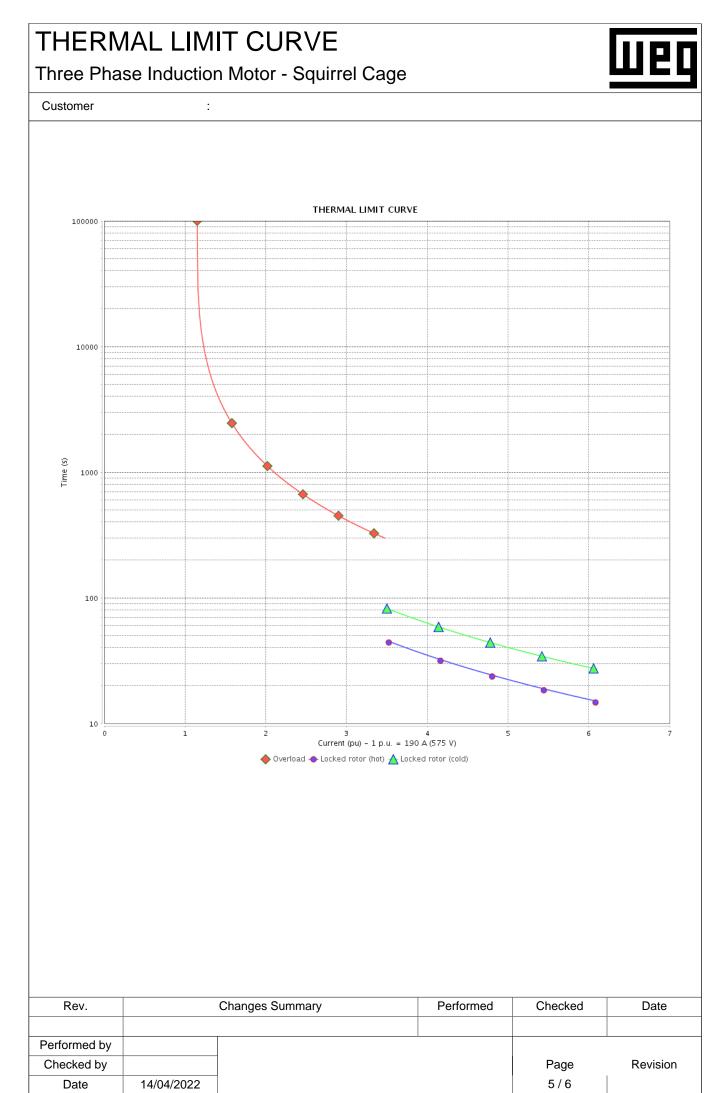
THERM	1AL LIM	IT CURVE						
Three Pha	se Inductio	n Motor - Squirrel	Cage			шед		
Customer	:							
Product line	:	: NEMA Premium Efficiency	Three-	Product code :	12037906			
		hase		Catalog # :		20012ST3HIERB449T-W2		
Performance		75 V 60 Hz 6P		e . (, (,)				
Rated current: 190 ALRC: 6.1Rated torque: 886 ft.lbLocked rotor torque: 220 %Breakdown torque: 240 %Rated speed: 1185 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 145 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B				
Heating constant								
Cooling constant	t	Changes Summers		Performed	Checked	Data		
Rev.		Changes Summary		Performed	Unecked	Date		
Performed by Checked by		-			Page	Revision		

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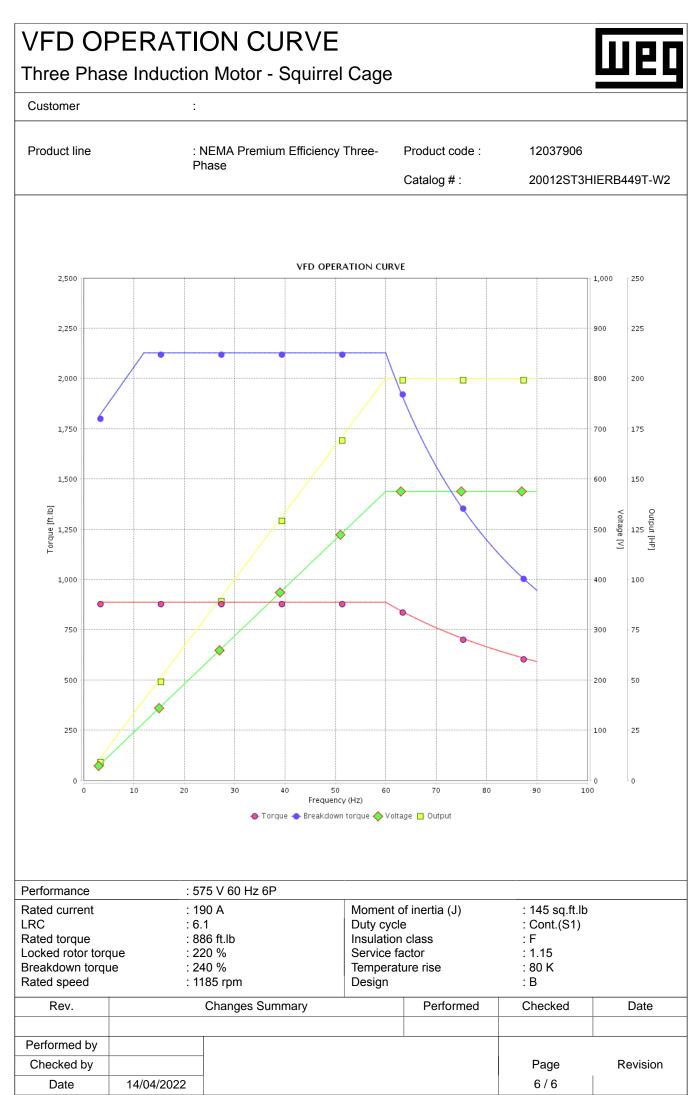
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Date

14/04/2022

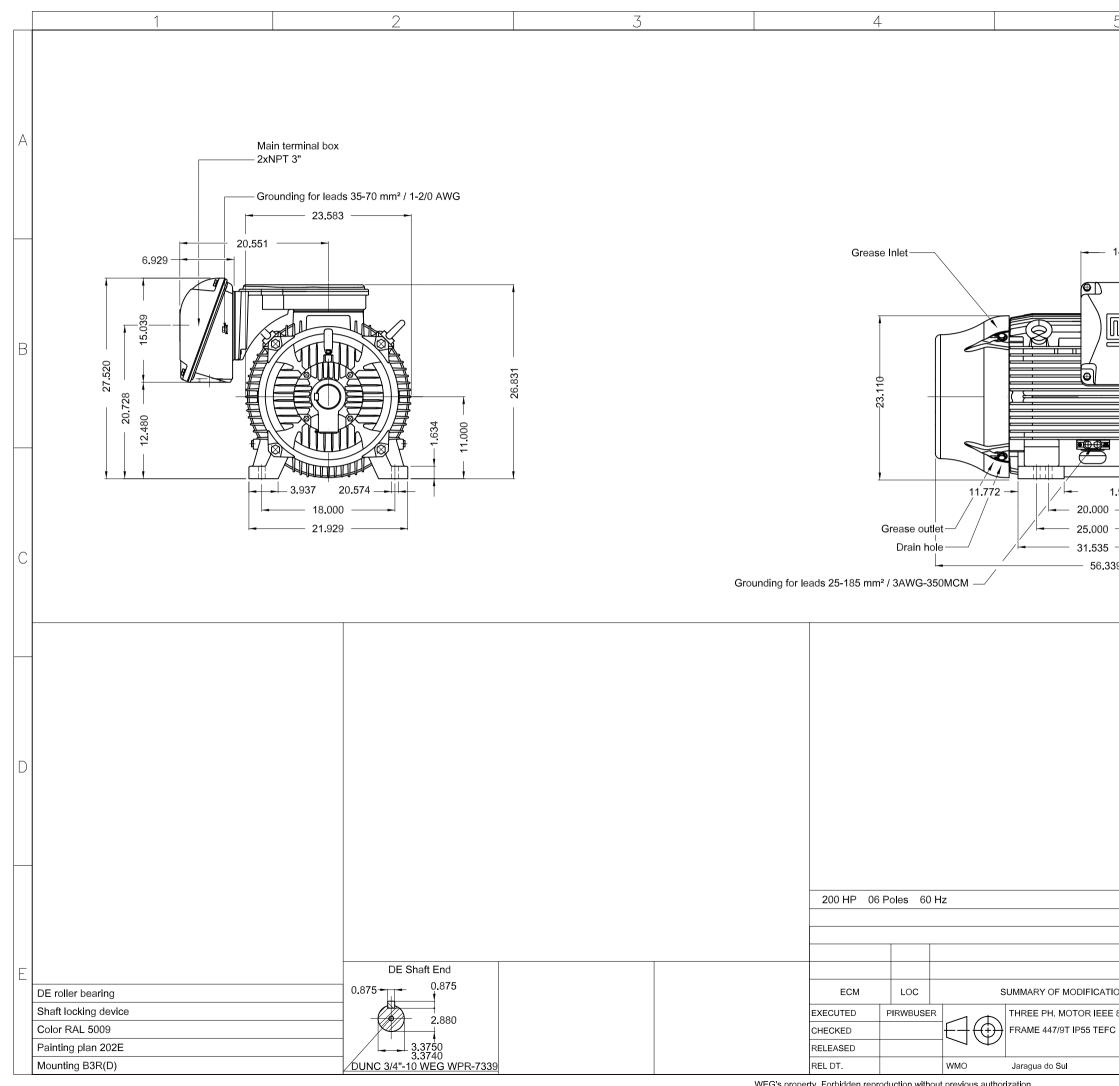


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5 14.921 14.921 14.921		ase Inlet 7.087	6			
		7.087 —– 8.500 Grease outlet Drain hole				
					A	Dimensions in inches
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
841 W22 PREM. EFF	=,	PREV	EW		=	
C		WDD		ШΡ		A3
Product	Engineering	SHEET	1 / 1			XME
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