DATA SHEET

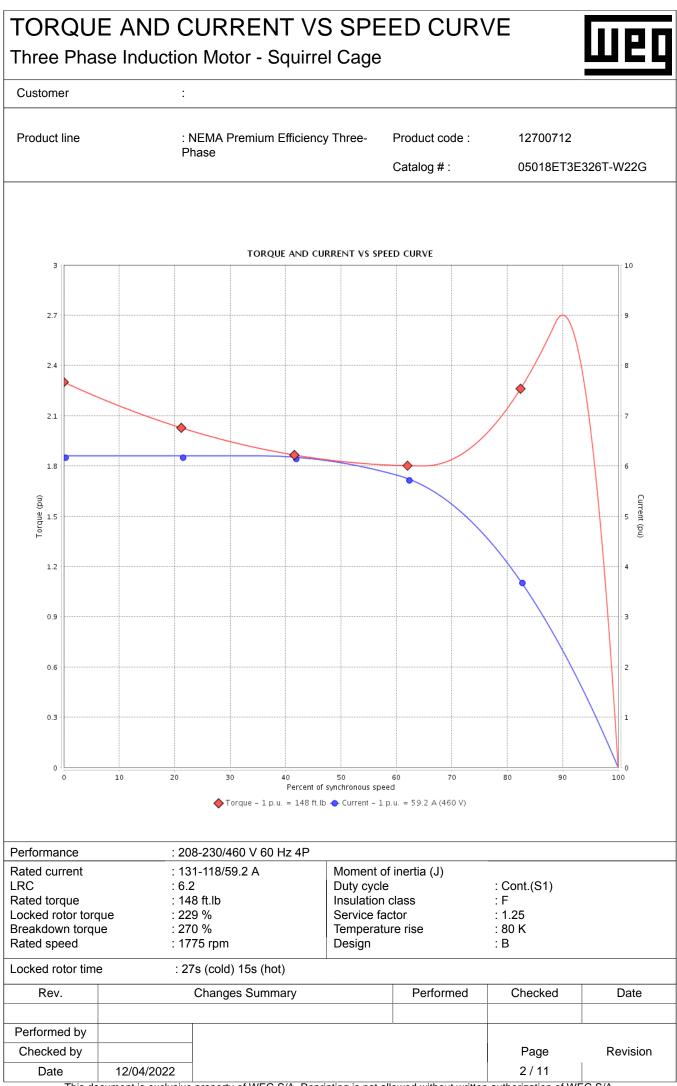
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Efficiency Three- Product co Phase Catalog # :		roduct code :	code : 12700712		
				atalog # :	g # : 05018ET3E326T-W2		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 324/6T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 600 lb		
Dutput [HP]		50			50		
Poles		4	4		4		
Frequency [Hz]		60			50		
Rated voltage [V]		208-230/460			380		
Rated current [A]		131-118/59.2			71.6		
. R. Amperes [A]		812-732/367			372		
RC [A]		6.2x(Code G)			5.2x(Code E)		
lo load current [A		40.5-47.0/23.5			23.0		
Rated speed [RPN	/]	1775			1460		
Slip [%]	-	1.39			2.67		
Rated torque [ft.lb		148			180		
ocked rotor torqu		229			180		
Breakdown torque	e [%]	270			210		
Service factor		1.25			1.00		
emperature rise		80 K			80 K		
ocked rotor time		27s (cold) 15s (ho	ot)		19s (cold) 11s (hot)		
loise level ²	0=0/	66.0 dB(A)			63.0 dB(A)		
	25%	0.000			0.000		
Efficiency (%)	50%	93.0			93.0		
	75%	94.1			93.0		
	100%	94.5			92.4		
	25%	0.00			0.00 0.72		
Power Factor	50% 75%	0.66					
	100%	0.77			0.81 0.85		
	100%	0.83			0.00		
Bearing type Sealing Lubrication interval		Drive end Non drive end : 6312 C3 6212 C3 : V'Ring V'Ring : 20000 h 20000 h	d Foundation loads Max. traction : 1150 lb Max. compression : 1749 lb				
Lubricant amoun Lubricant type	it	: 21 g 13 g : Mobil Polyrex EM					
Notes							
			Th		based on tests wit	h cinuccidal	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with t weight subjec ocess.	ncel the previous one, which e shaft end. olerance of +3dB(A). ct to changes after			e tolerances stipul		
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A).	power sup				
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). ct to changes after	power sup	ply, subject to the	e tolerances stipul	ated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). ct to changes after	power sup	ply, subject to the	e tolerances stipul	ated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). ct to changes after	power sup	ply, subject to the	e tolerances stipul	ated in NEMA	

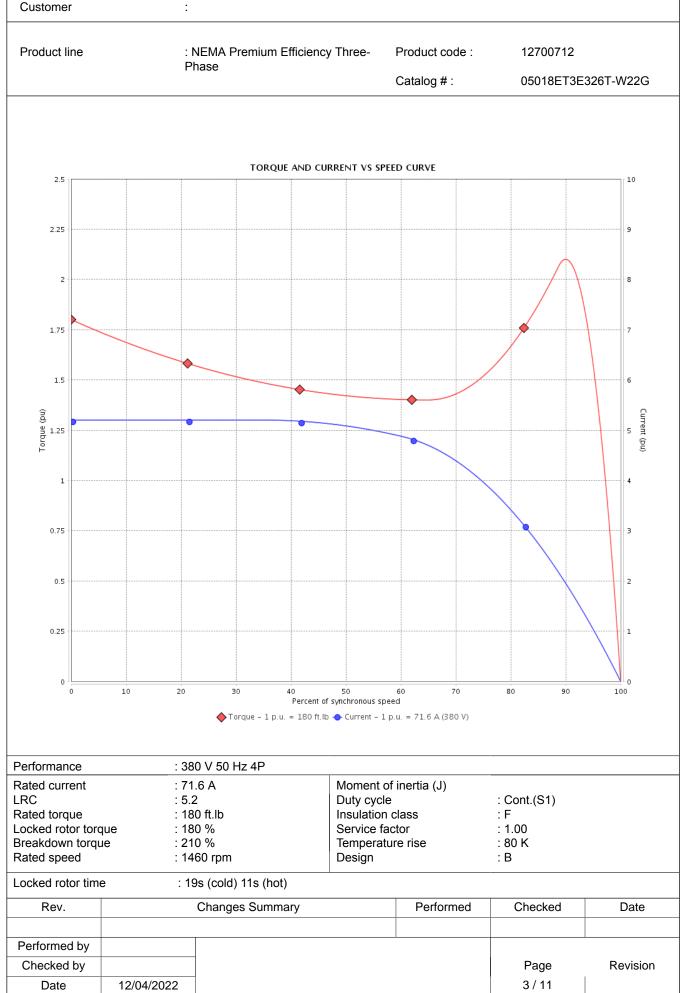


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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





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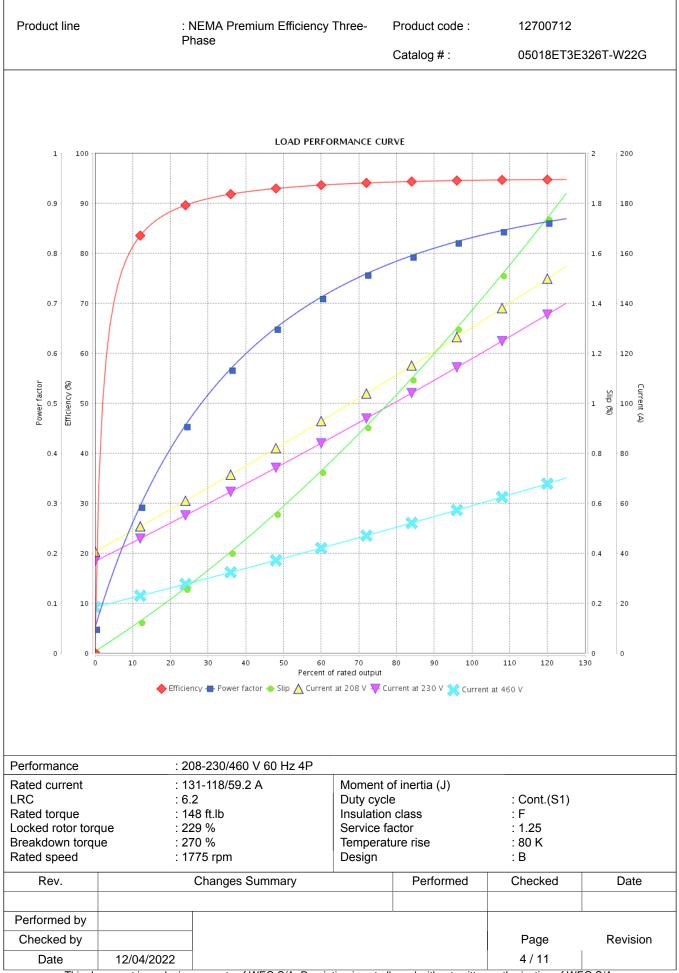
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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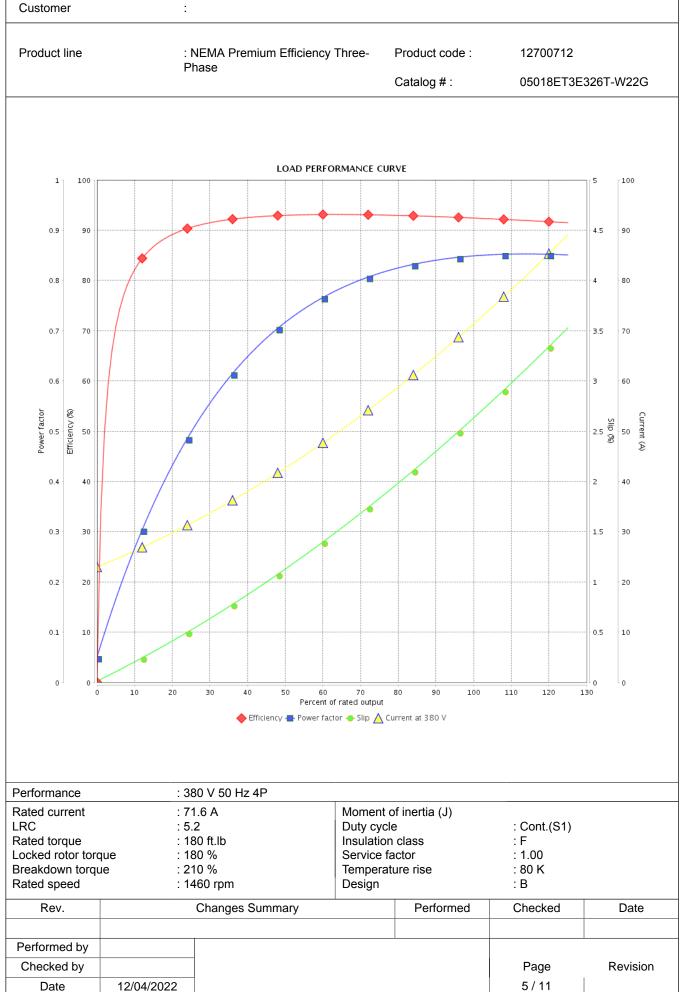
Customer



LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

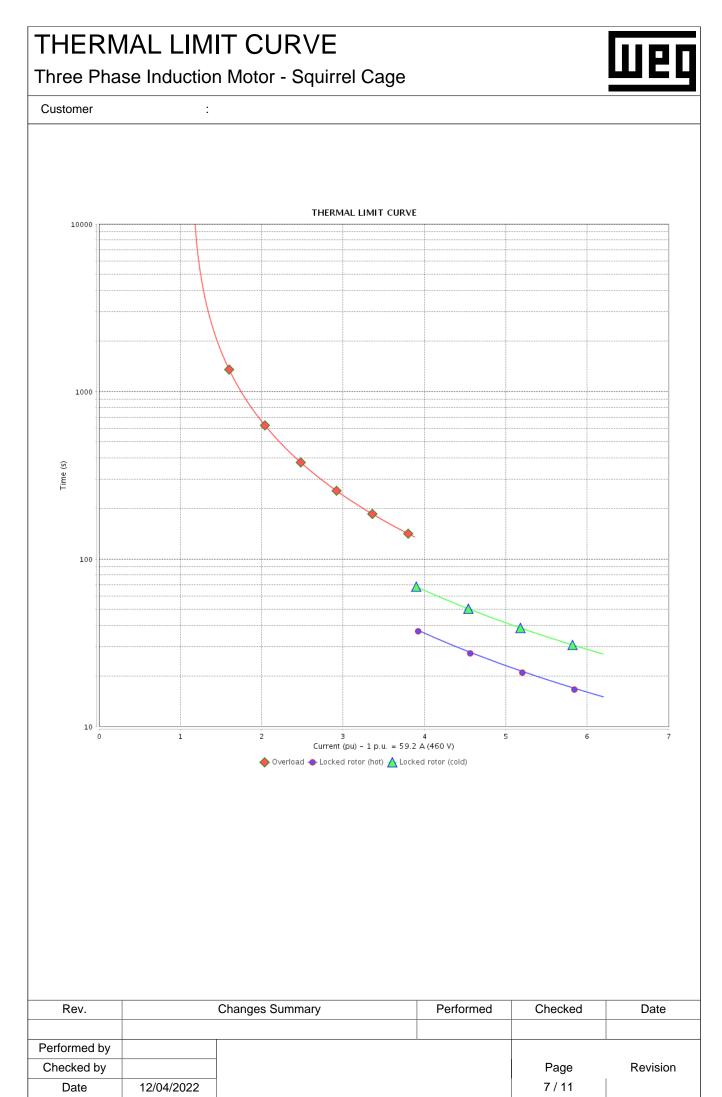
Customer



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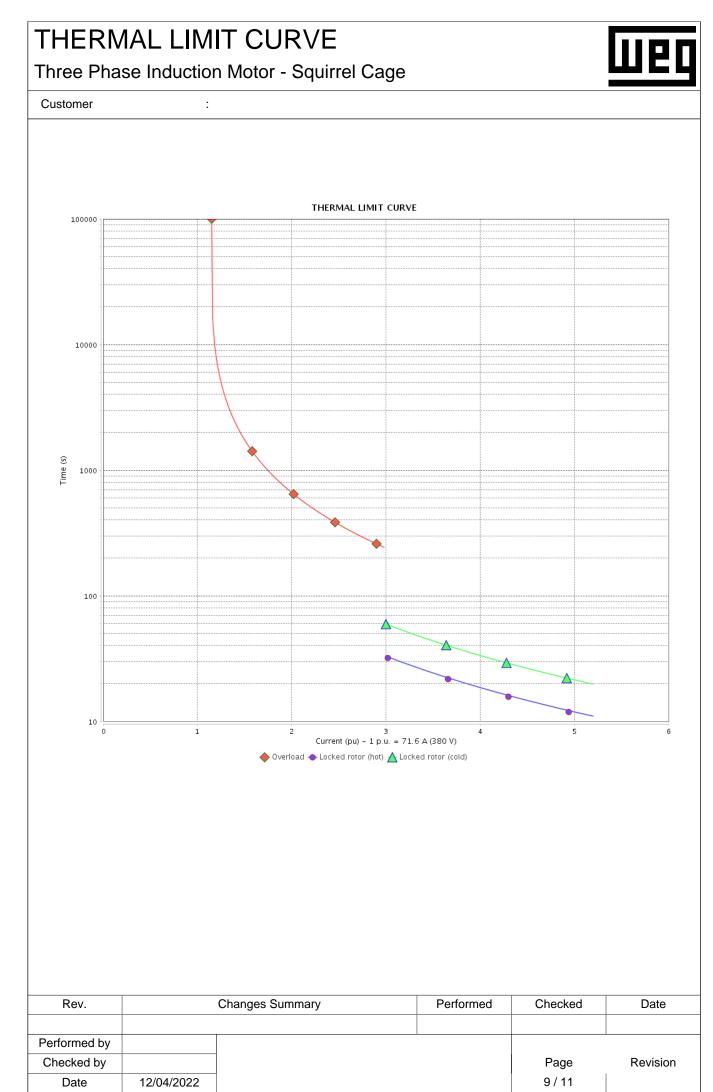
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage				
Customer	:			
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12700712	
	FildSe	Catalog # :	05018ET3E326T-W22G	

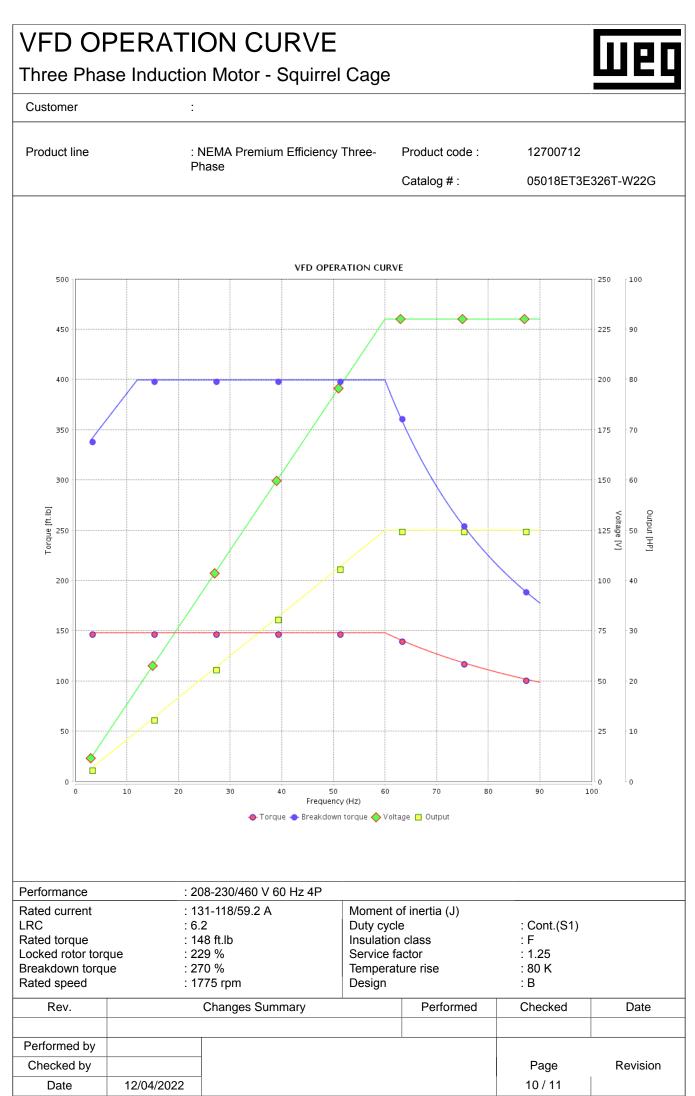
Performance	: 2	: 208-230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque		31-118/59.2 A .2 48 ft.lb 29 % 70 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: Cont.(S1) : F : 1.25 : 80 K	
Rated speed	: 1	775 rpm	Design		: B	
Heating constan	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				6 / 11	



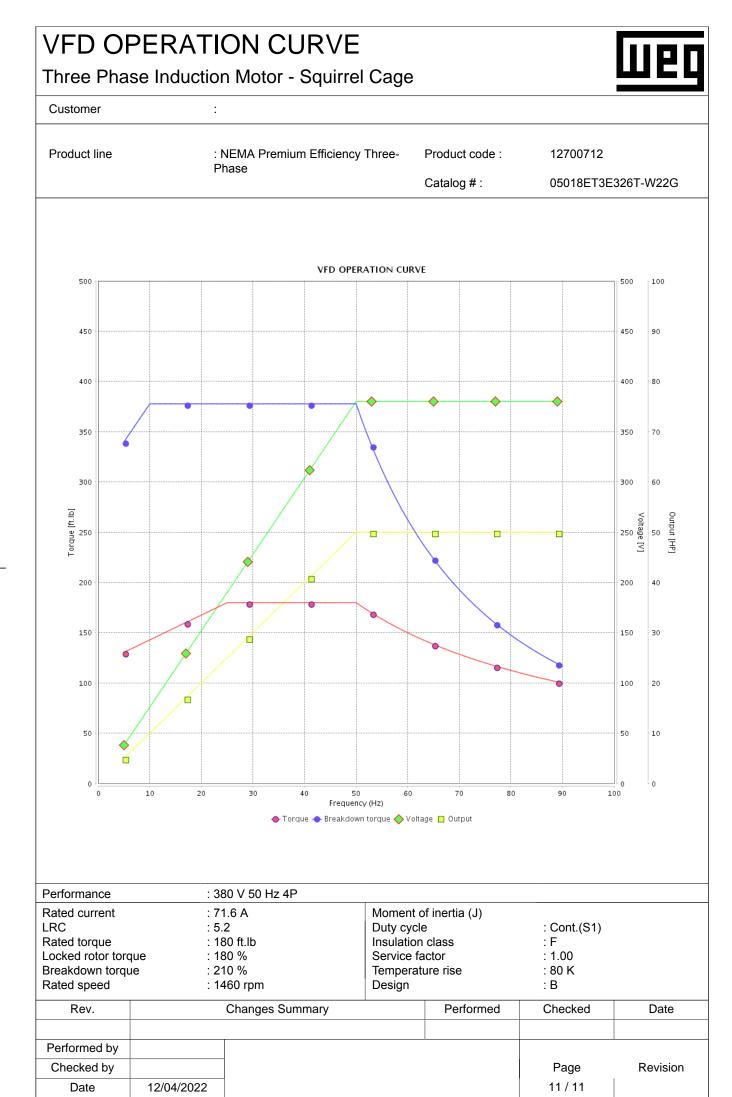
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage				
Customer	:			
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12700712	
	Flidse	Catalog # :	05018ET3E326T-W22G	

Performance	::	380 V 50 Hz 4P				
Rated current : 71.6 A LRC : 5.2		Moment of inertia (J)		· Cont (S1)		
Rated torque : 180 ft.lb			Duty cycle Insulation class		: Cont.(S1) : F	
Locked rotor torque : 180 % Service factor			: 1.00			
Breakdown torqu	ie ::	210 % Temperature rise		ure rise	: 80 K	
Rated speed	: `	1460 rpm	Design		: B	
Heating constant	t					
Cooling constant	t					
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				8 / 11	

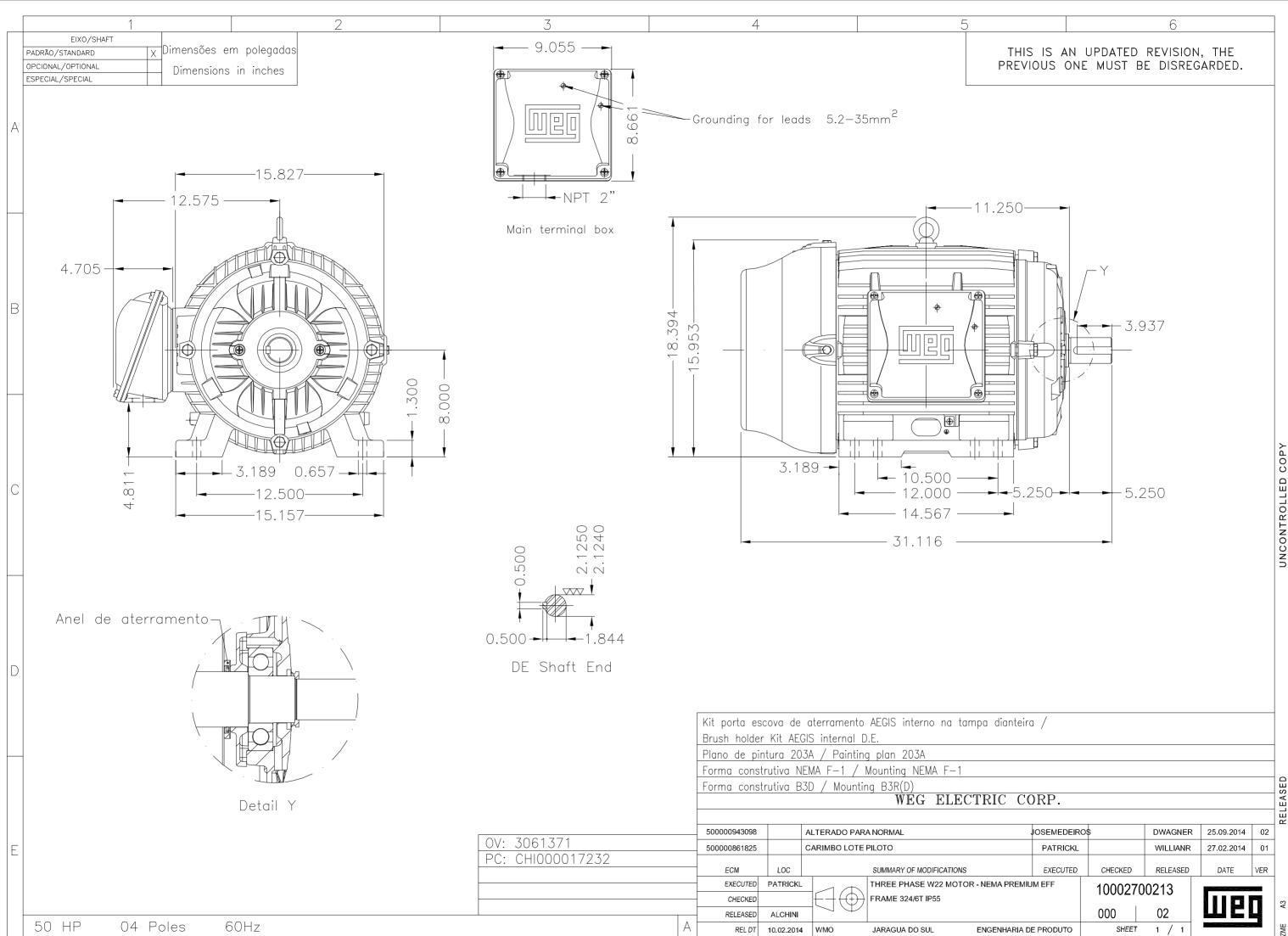




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Inverter Duty Motor Severe Duty 60Hz: For use on PWH: VT 1000:1, CT 20:1, 1.00SF Mod.TE1BF0X0N CT 20:1, 1.00SF

