DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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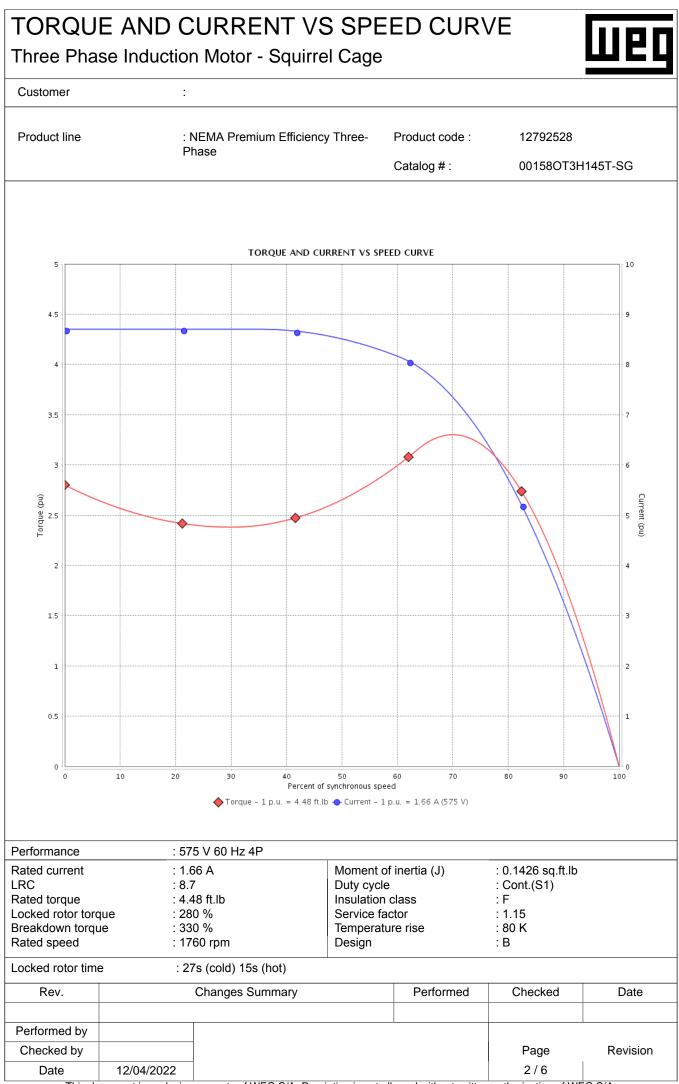
Product line		: NEM Phas		m Efficiency T	Inree-	Product code :	12792528	
					(Catalog # :	00158OT3F	1145T-SG
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torqu Breakdown torqu Insulation class		: 4 : 60 F : 575 : 1.66 : 14.4 : 8.7 : 0.95	HP (1.1 kV Hz A A A (Code L) 58 A 0 rpm 2 % 3 ft.lb %	∿)	Temper Duty cy Ambien Altitude Cooling Mountir Rotatior Noise le Starting	t temperature method ng n ¹	: 27s (cold) : 80 K : Cont.(S1) : -20°C to -1 : 1000 m.a : IC01 - OE : F-1 : Both (CW : 52.0 dB(A : Direct On : 42.5 lb	-40°C .s.l.)P and CCW)
Service factor Moment of inertia Design	a (J)	: 1.15	5 126 sq.ft.lb	1				
Output	25%	50%	75%	100%	Foundatio	on loads		
Efficiency (%)	83.6	84.0	86.5	86.5	Max. tract	tion	: 107 lb	
Power Factor	0.32	0.56	0.69	0.77	Max. com	pression	: 150 lb	
Bearing type Sealing Lubrication inter		:	62	<u>re end</u> 205 ZZ Bearing Seal		<u>Non drive en</u> 6203 ZZ Without Bearing		
Lubricant type	nt	:		- Mo	bil Polyrex	EM		
Lubricant amour Lubricant type Notes	nt	: :		- Mo	bil Polyrex	EM		
Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pr	aces and o ed. notor from 1m and with weight sub ocess.	the shaft e th toleranc	end. e of +3dB(one, which (A).	These ar	e average values	s based on tests w he tolerances stipu	
Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pr	aces and o ed. notor from 1m and with weight sub ocess.	the shaft e th toleranc ject to cha	end. e of +3dB(anges after	one, which A).	These ar power su	e average values		
Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate m manufacturing pr (4) At 100% of fu	aces and o ed. notor from 1m and with weight sub ocess.	the shaft e th toleranc ject to cha	end. e of +3dB(one, which A).	These ar power su	e average values	he tolerances stipu	lated in NEMA
Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate m manufacturing pri (4) At 100% of fu	aces and o ed. notor from 1m and with weight sub ocess.	the shaft e th toleranc ject to cha	end. e of +3dB(anges after	one, which A).	These ar power su	e average values	he tolerances stipu	lated in NEMA
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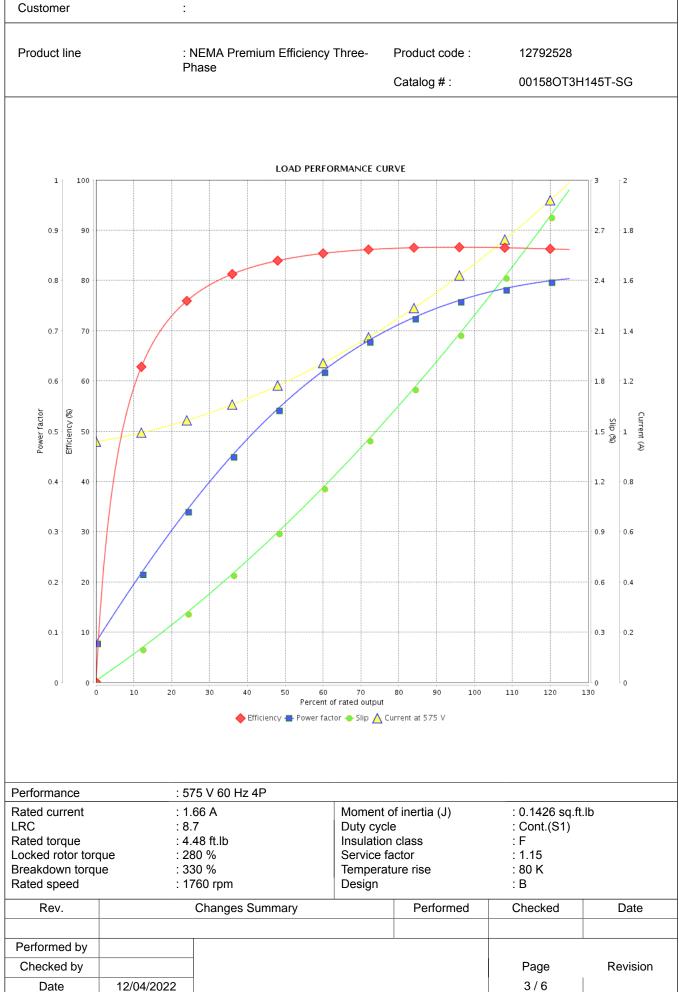
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer

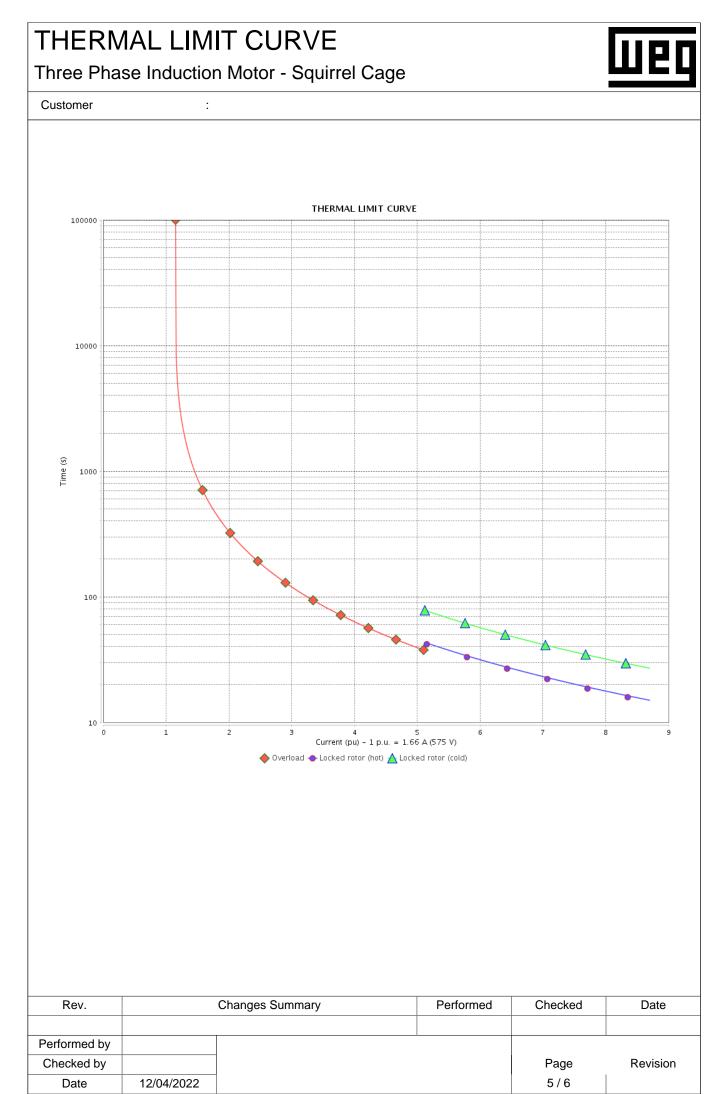


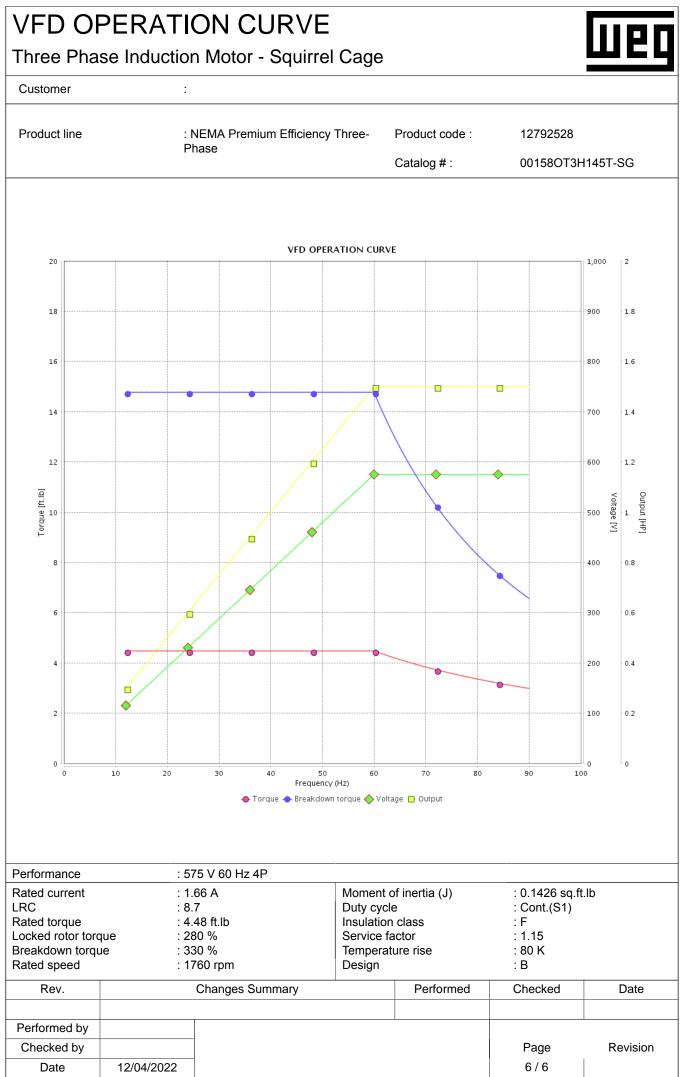
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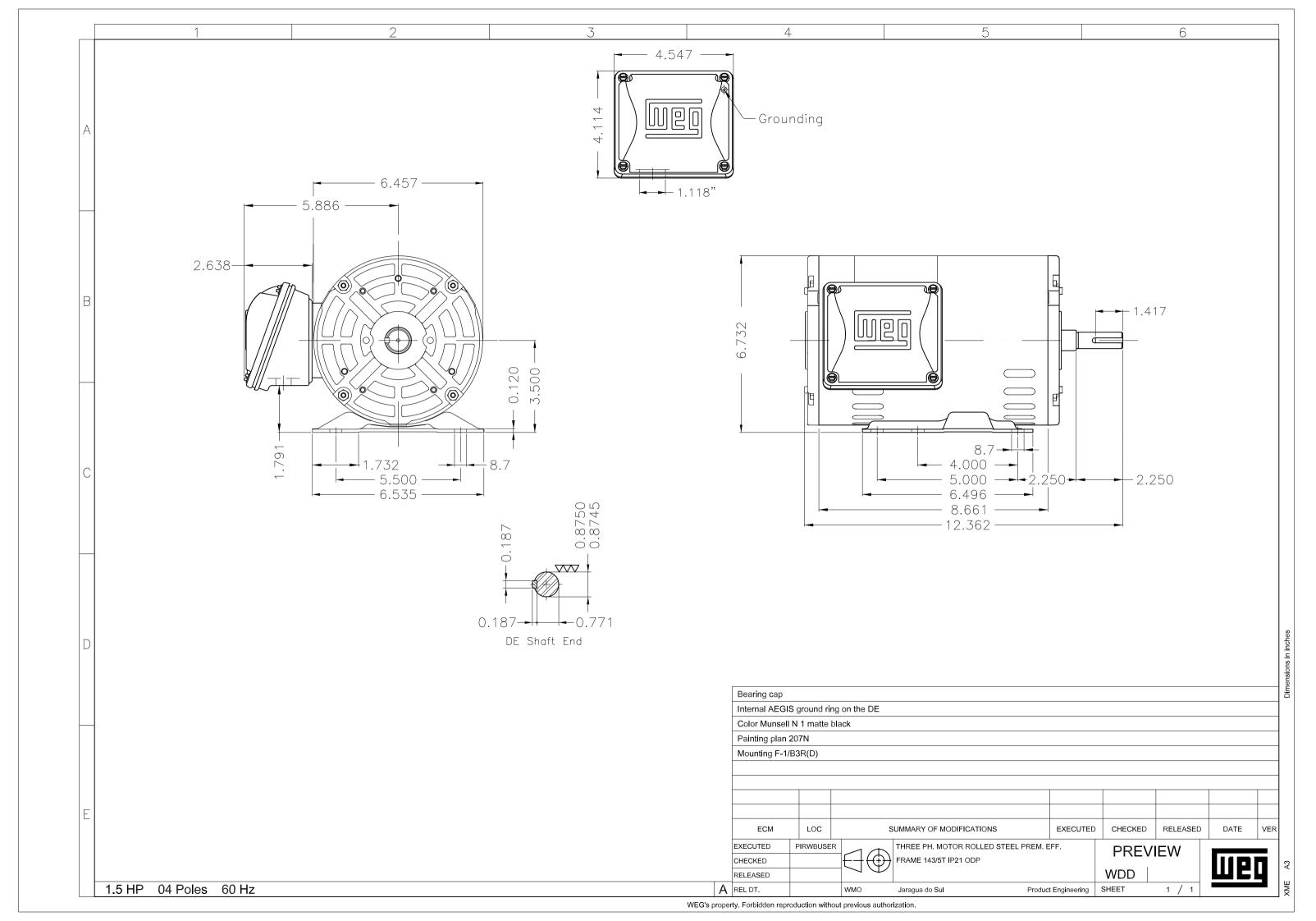
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THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage				
Customer	:			
Product line	: NEMA Premium Efficiency 1 Phase	Three- Product code : Catalog # :	12792528 00158OT3H145T-SG	
Performance	: 575 V 60 Hz 4P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.66 A : 8.7 : 4.48 ft.lb : 280 % : 330 % : 1760 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.1426 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant				

J						
Cooling constant	t					
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022	1			4 / 6	







LIEGNEMA. CU ustra Cost
MADE IN MERICO MAT: 12792528 CC029A WOI TODICXON VOOT COLOCXON
1504NPW01GK 12018
H 3 FR 143/5T HP(kW) 1.5(1.1)
V 575 RPM 1760
FA 1.91
15 INSCLF AT 80K AMB
ALT 1000 m.a.s.I. NEMA NOM.EFF. 86.5% PF 0.77
SEM IEC 00034-1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Inverter duty For use on VPWM 1000:1 VT, 5:1 CT
DE: 6205-ZZ ODE: 6203-ZZ MOBIL POLYREX EM
WARNING: Motor must be grounded in accordance with local and national detectrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit. AVERTISSEMENT: Le motour doit être mis à la terre conformément arx codes édectriques locarix et nationaux afin d'évier tour choc électrique grave. Déconnecker l'alimentation avant l'entretien de la machine.