DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

		: NEMA Premium Efficiency T Phase			Three- Product code :		13503286	
						Catalog # :	12509ET30	GKD447T-W22
Frame		: 445	5/7T		Locked	rotor time	: 30s (cold)) 17s (hot)
Output		: 125	5 HP		Temper	ature rise	: 80 K	, , ,
Poles		: 8			Duty cy		: Cont.(S1)	
Frequency		: 60	Hz			it temperature	: -20°C to -	
Rated voltage	- 1				Altitude		: 1000 m.a	
Rated current	0					ion degree	: 1000 m.a	.3.1.
						: IC411 - T		
L. R. Amperes : 992 A					method	-	EFC	
LRC : 6.4x(Code H)				Mountir		: F-1		
No load current		: 75.0			Rotatio			and CCW)
Rated speed		: 890			Noise le		: 63.0 dB(A	
Slip		: 1.11				g method	: Direct On	Line
Rated torque		: 738	8 ft.lb		Approx	. weight³	: 1464 lb	
Locked rotor torg	ue	: 200)%					
Breakdown torqu	е	: 229)%					
Insulation class		: F						
Service factor		: 1.1	5					
Design		: A						
Output	25%	50%	75%	100%	Foundatio	on loads		
Efficiency (%)	0.000	94.5	94.5	94.5	Max. trac	tion	: 3790 lb	
Power Factor	0.00	0.62	0.72	0.77	Max. com		: 5254 lb	
			Driv	ve end		Non drive end		
Bearing type				-319 C3		6316 C3	<u>_</u>	
Sealing		:		VSeal		WSeal		
		:						
Lubrication interv		:		5000 h		20000 h		
Lubricant amount	t	:		45 g		34 g		
Lubricant type		•		N/0				
••		·			bil Polyrex			
Notes This revision repla		cancel the	previous of			EIVI Te average values	based on tests w	ith sinusoidal
Notes	d. otor from t m and with veight subj ocess.	the shaft e h toleranc	end. e of +3dB(one, which (A).	These ar			
Notes Notes This revision repla must be eliminate (1) Looking the mo (2) Measured at 1 (3) Approximate w manufacturing pro	d. otor from t m and with veight subj ocess.	the shaft e h toleranc ject to cha	end. e of +3dB(one, which (A).	These ar	re average values		
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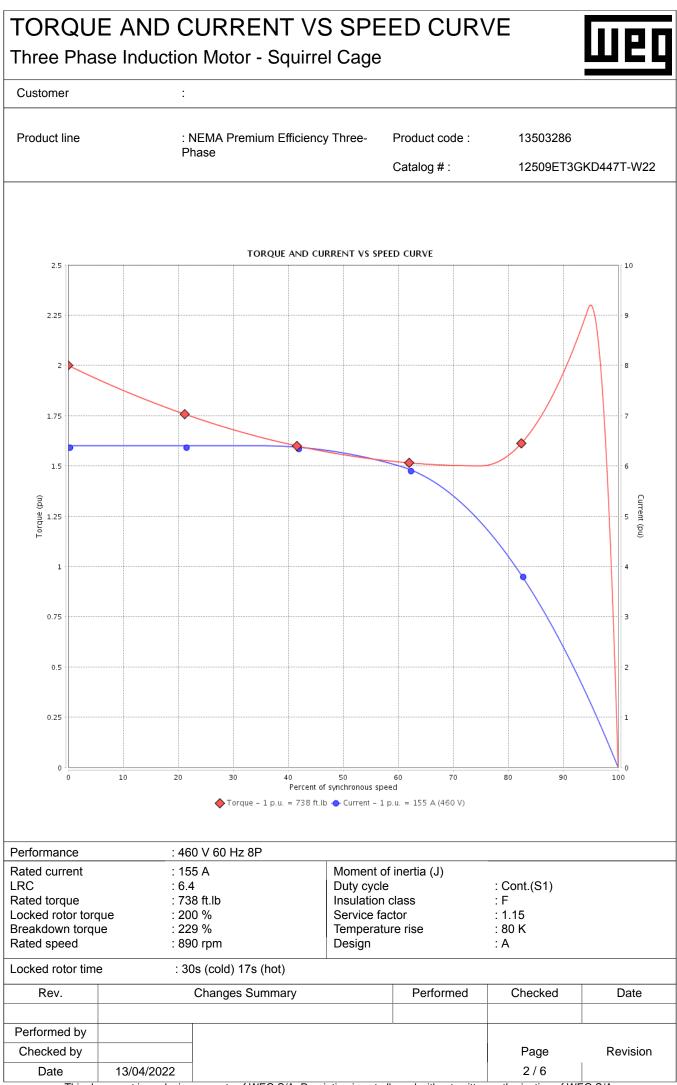
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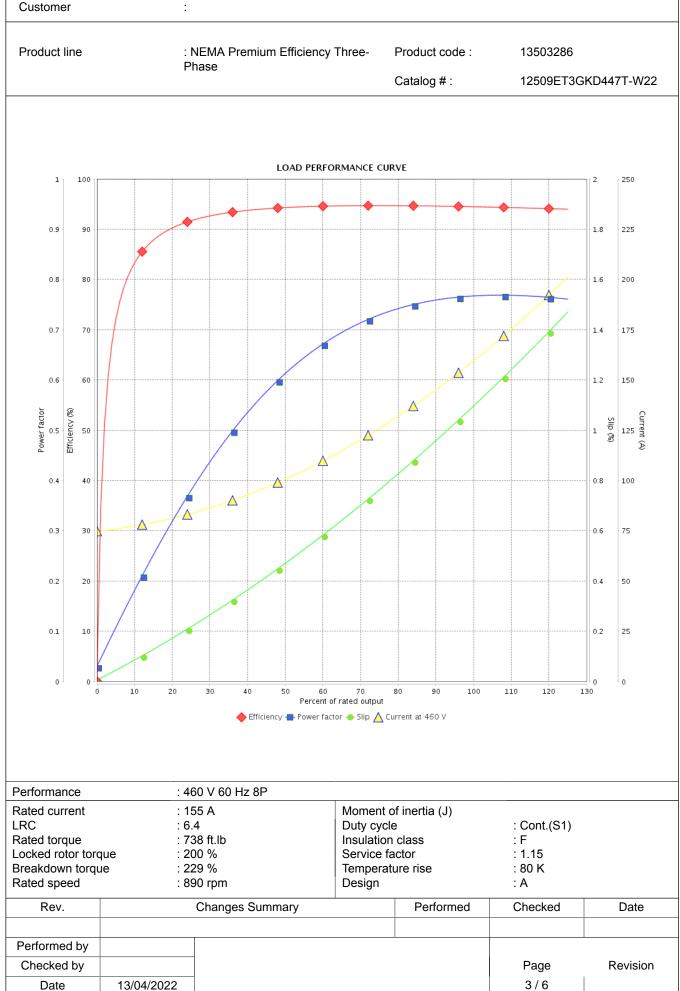


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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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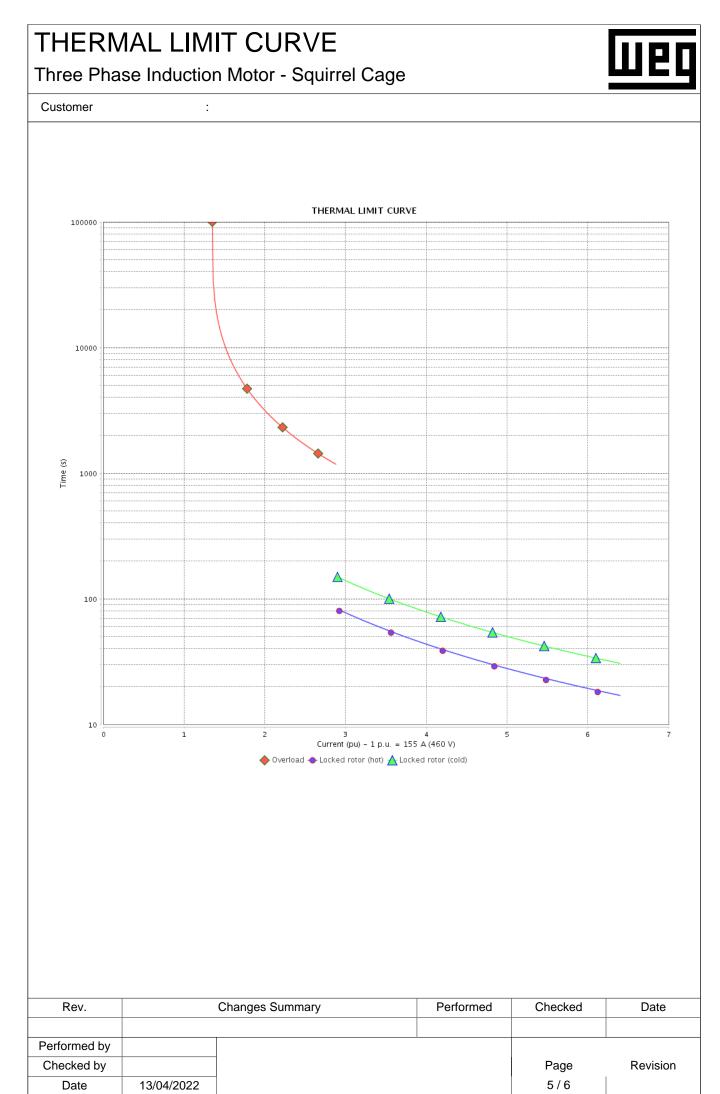
THERMAL LIMIT CURVE											
Three Pha	se Inductio	n Motor - Squirrel	Cage			шсч					
Customer	:										
Product line		NEMA Premium Efficiency ⁻ hase		Product code : Catalog # :	13503286 12509ET3G	GKD447T-W22					
Performance Rated current	Rated current : 155 A		Moment o	f inertia (J)							
LRC Rated torque Locked rotor torque Breakdown torque Rated speed		.4 38 ft.lb 00 % 29 % 90 rpm	Duty cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.15 : 80 K : A						
Heating constant											
Cooling constant Rev.	t	Changes Summary		Performed	Checked	Date					
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Performed by											
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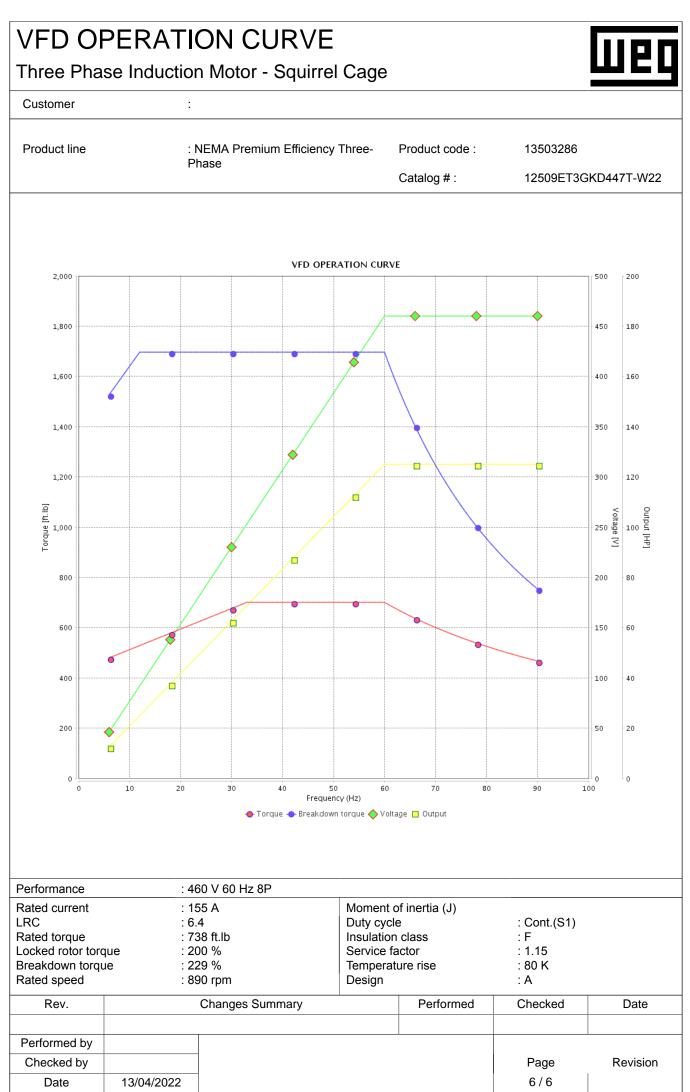
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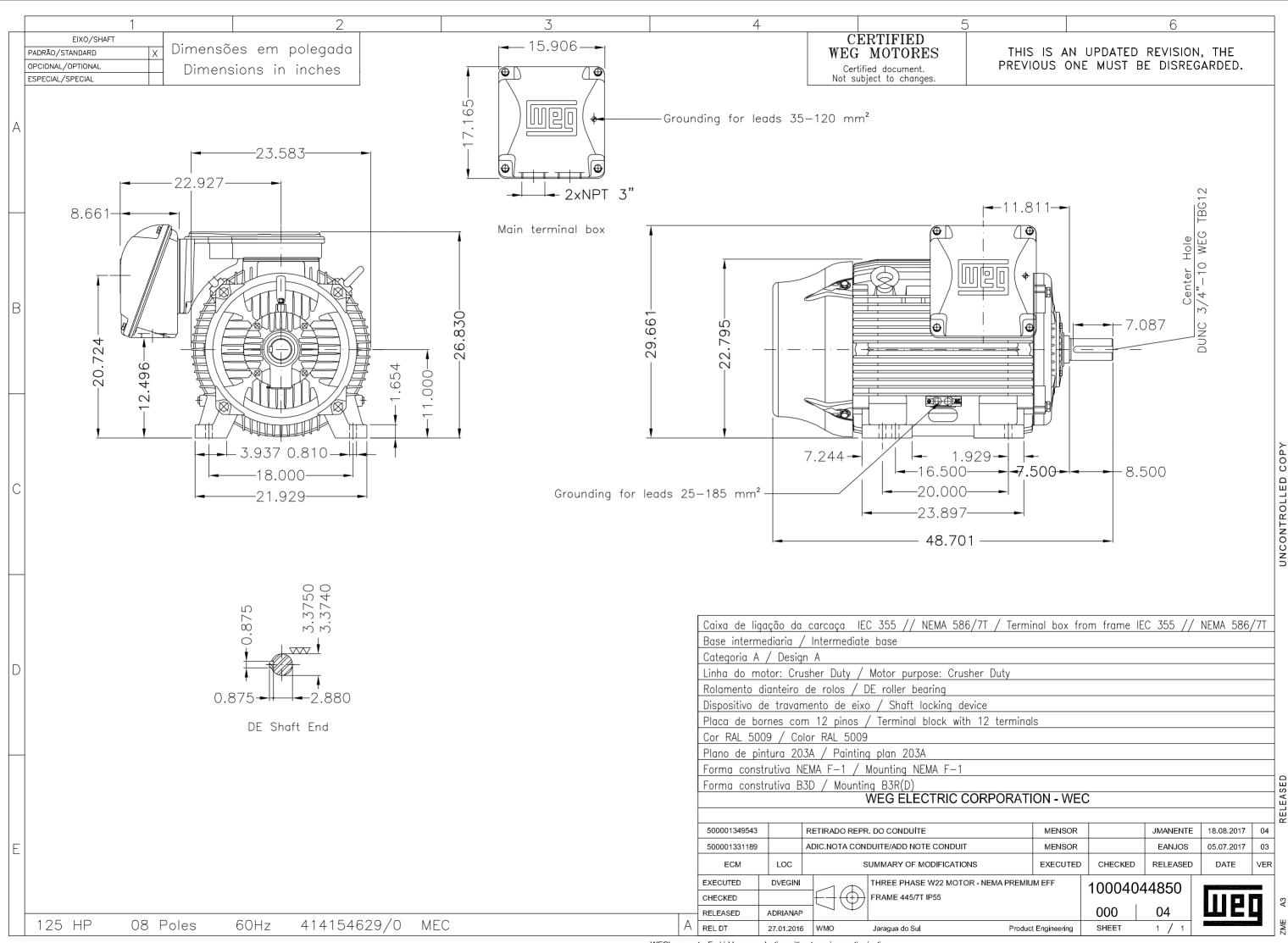


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