## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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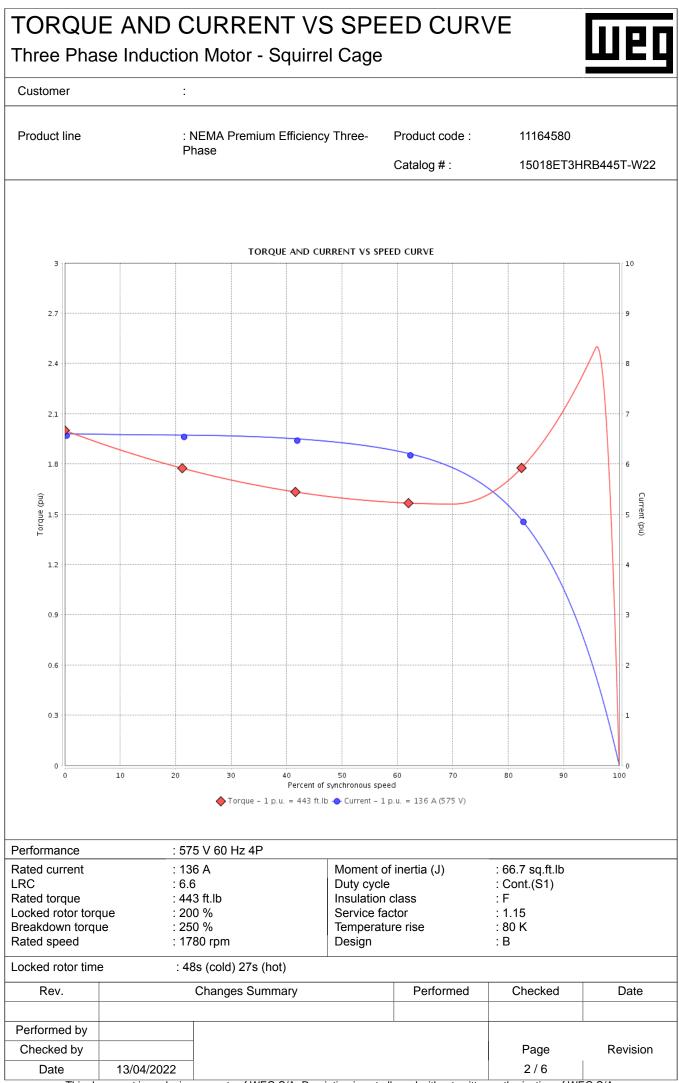
## Customer

		Phas		m Efficiency 1	hree-	Product code :	11164580	
						Catalog # :	15018ET3H	IRB445T-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque		: 444/5T : 150 HP (110 kW) : 4 : 60 Hz : 575 V : 136 A : 898 A : 6.6x(Code G) : 46.4 A : 1780 rpm : 1.11 % : 443 ft.lb : 200 % : 250 %			Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting method Approx. weight <sup>3</sup>		: 48s (cold) 27s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 73.0 dB(A) : Direct On Line : 1856 lb	
Insulation class Service factor Moment of inertia Design	a (J)	: F : 1.15 : 66.7 : B	5 7 sq.ft.lb					
Output	25%	50%	75%	100%	Foundatio	on loads		
Efficiency (%)	95.3	95.4	95.8	95.8	Max. trac		: 2021 lb	
Power Factor	95.5 0.49	95.4 0.74	0.82	0.85	Max. com		: 3877 lb	
Bearing type Sealing Lubrication interv Lubricant amount Lubricant type		:	V 5	-319 C3 VSeal 000 h 45 g Mo	bil Polyrex	6316 C3 WSeal 10000 h 34 g EM		
Notes								
This revision repla must be eliminate (1) Looking the ma (2) Measured at 1 (3) Approximate w manufacturing pro	d. otor from t m and with veight subj ocess.	the shaft e h toleranc	end. e of +3dB(	A).		•	based on tests wi	
This revision replanust be eliminate 1) Looking the ma 2) Measured at 1 3) Approximate w nanufacturing pro 4) At 100% of full	d. otor from t m and with veight subj ocess.	the shaft e h toleranc ject to cha	end. e of +3dB( inges after	A).	power su	ipply, subject to th	ne tolerances stipu	Iated in NEMA
This revision repla nust be eliminate (1) Looking the ma (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(	A).	power su	•		
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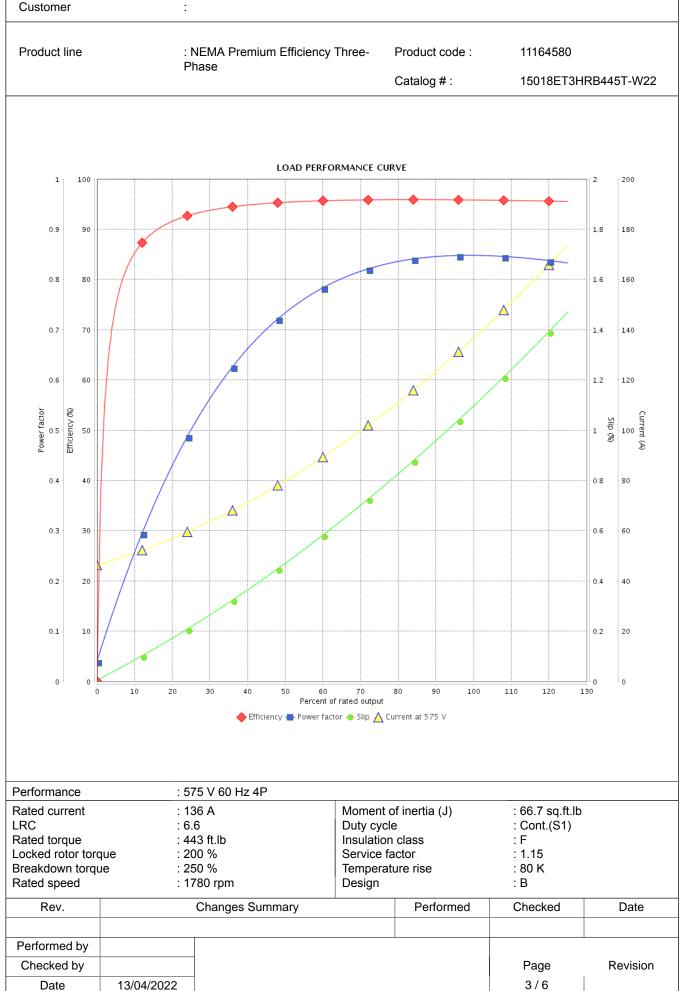
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

## Customer



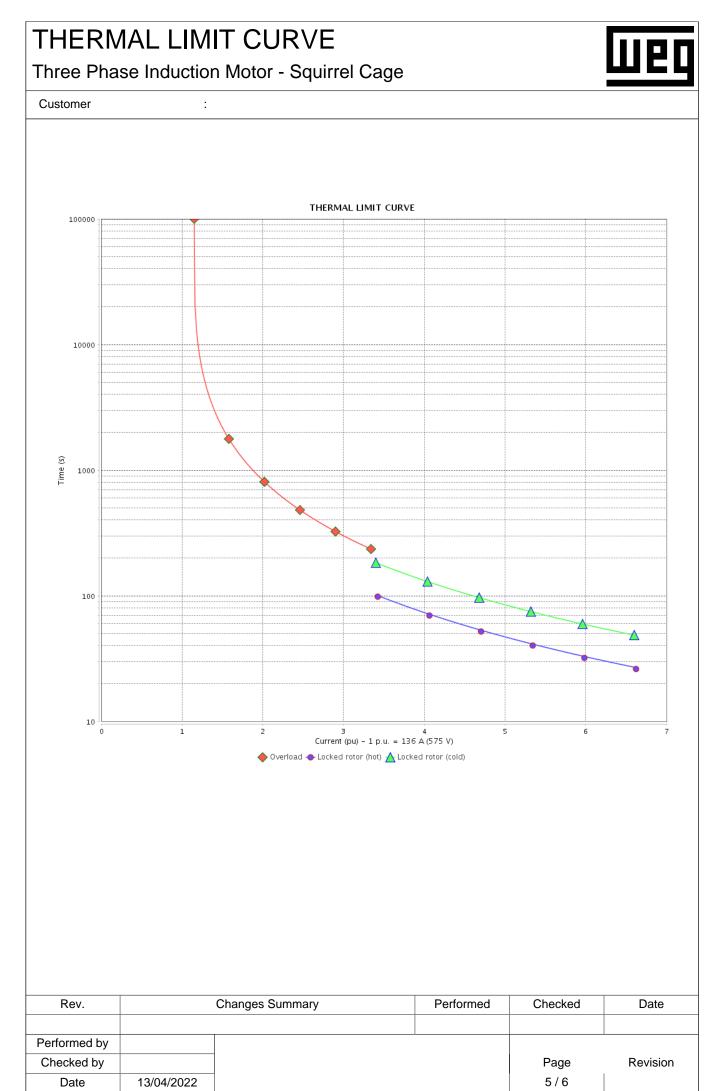
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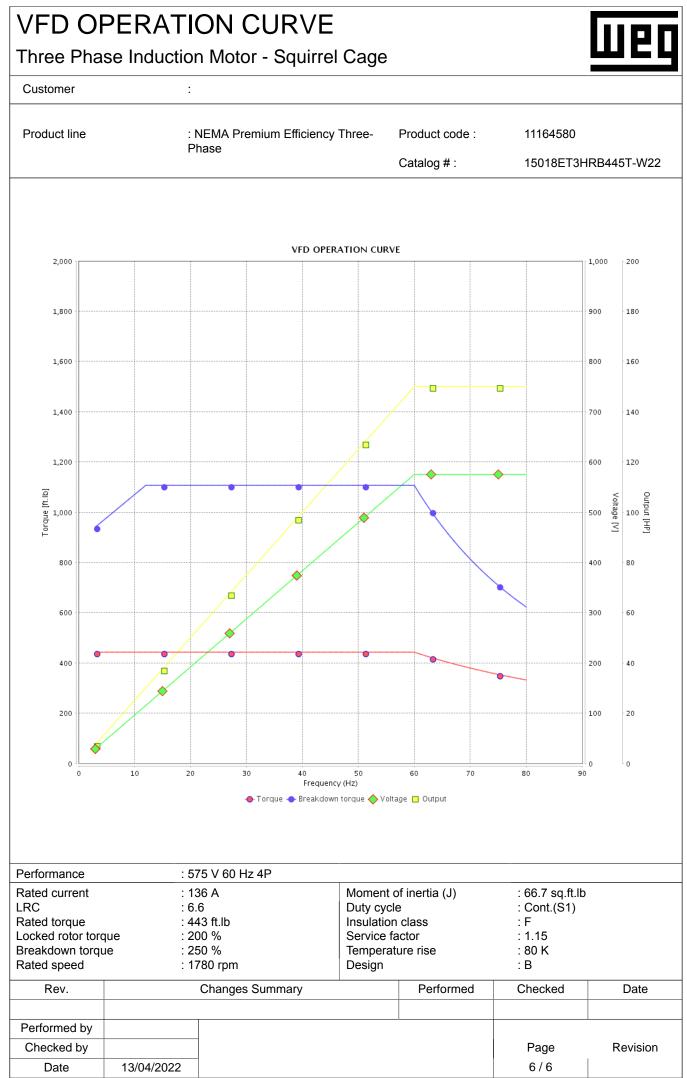
THERMAL L	IMIT CURVE		
Three Phase Indu	ction Motor - Squirrel Cage	<b>;</b>	
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	11164580
		Catalog # :	15018ET3HRB445T-W22

Performance	: 5	75 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 4 que : 2 ue : 2 : 1	36 A .6 43 ft.lb 00 % 50 % 780 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 66.7 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constan						
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022	]			4 / 6	

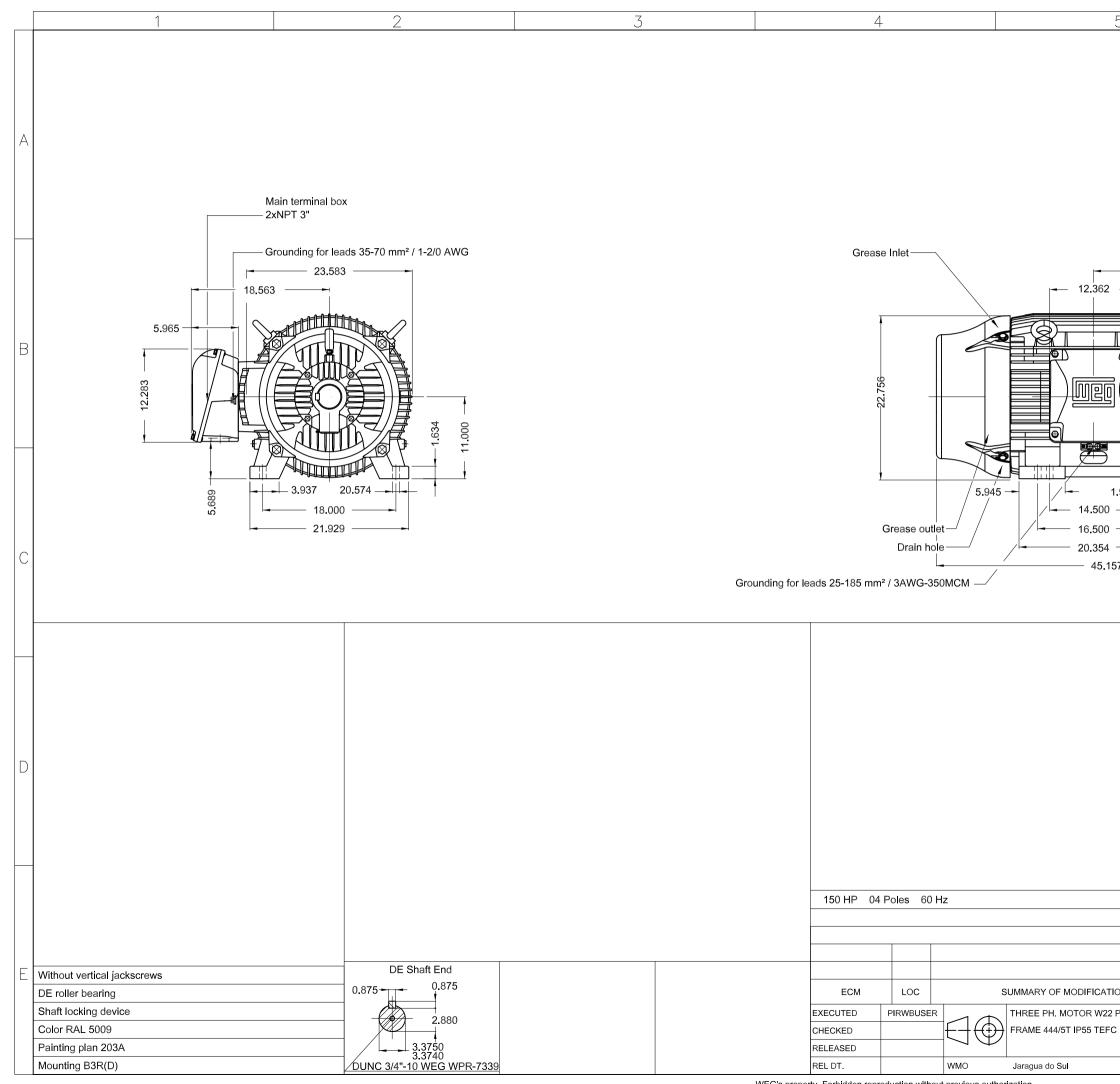
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