DATA SHEET

Three Phase Induction Motor - Squirrel Cage

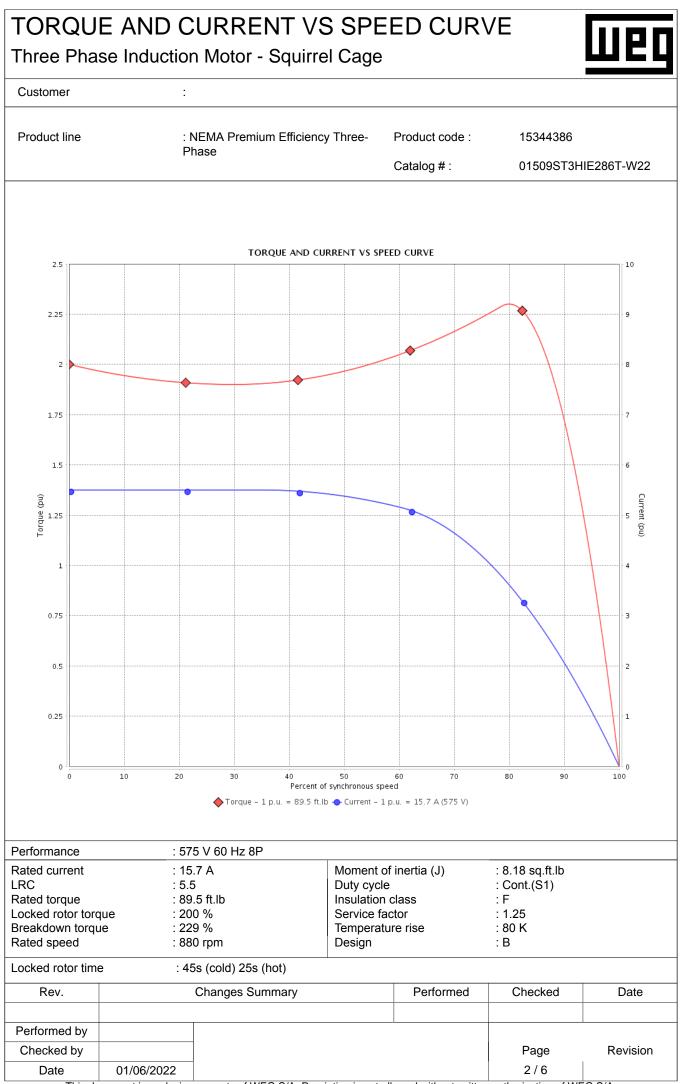
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Customer

Product line		: NEMA Premium Efficiency T Phase			Three- F	Product code :	15344386	
			-			Catalog # :	01509ST3F	IIE286T-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tor Breakdown torq Insulation class Service factor Moment of inerti Design	ue	: 8 : 60 F : 575 : 15.7 : 86.2 : 5.5x : 7.84 : 880 : 2.22 : 89.5 : 200 : 229 : F : 1.25	HP (11 kW) Hz V C A (Code G) A rpm 2 % 5 ft.lb % %		Tempera Duty cyc Ambient Altitude	t temperature on degree method g 1 ¹ vel ² method	: 45s (cold) : 80 K : Cont.(S1) : -20°C to - : 1000 m.a : IP55 : IC411 - TI : F-1 : Both (CW : 54.0 dB(A : Direct On : 420 lb	+40°C .s.l. EFC and CCW)
Output	25%	50%	75%	100%	Foundatio	n loads		
Efficiency (%)	84.8	85.5	90.0	90.2	Max. tract		: 688 lb	
Power Factor	0.37	0.62	0.72	0.78	Max. com		: 1108 lb	
Sealing Lubrication inter Lubricant amoun Lubricant type Notes		-	20	ro/Seal 000 h 18 g Mo	bil Polyrex I	Inpro/Seal 20000 h 11 g EM		
This revision rep must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from 1m and wit weight sub rocess.	the shaft e	nd. e of +3dB(/				based on tests w e tolerances stipu	
must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr	ed. notor from 1m and wit weight sub rocess.	the shaft e th tolerance ject to cha	nd. e of +3dB(/	A).	power su			
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must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from 1m and wit weight sub rocess.	the shaft e th tolerance ject to cha	nd. e of +3dB(/ nges after	A).	power su	pply, subject to th	e tolerances stipu	ilated in NEM

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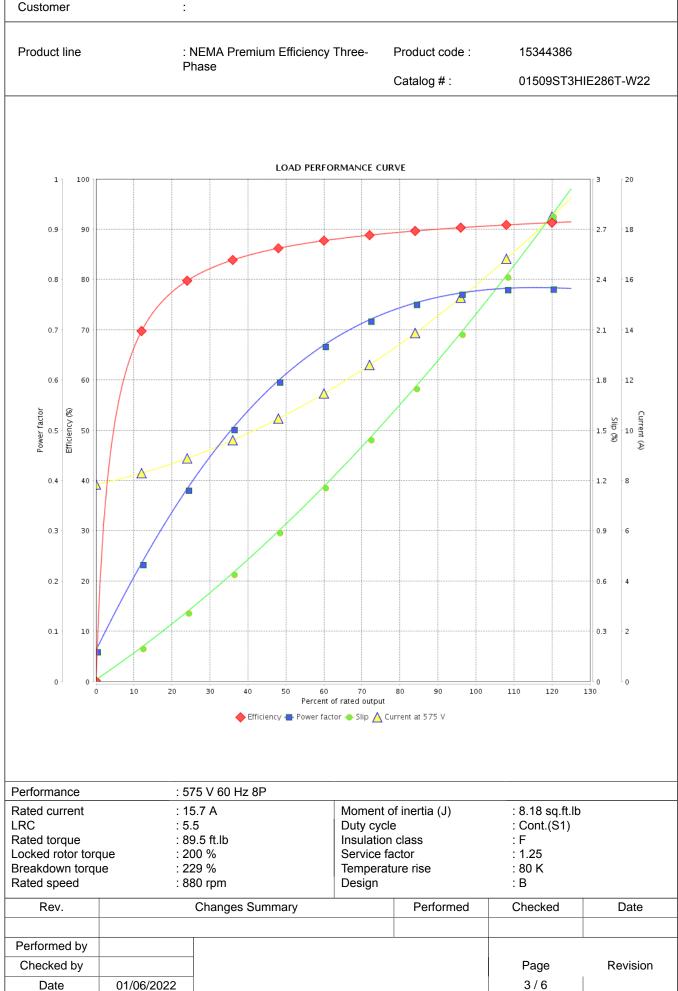


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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

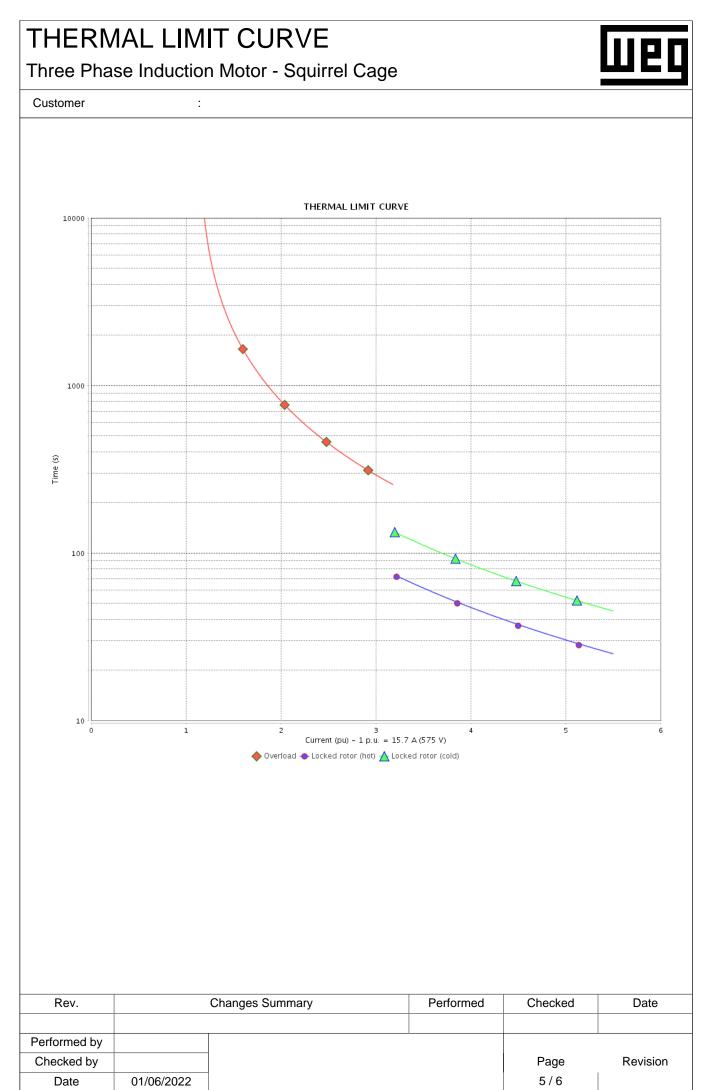
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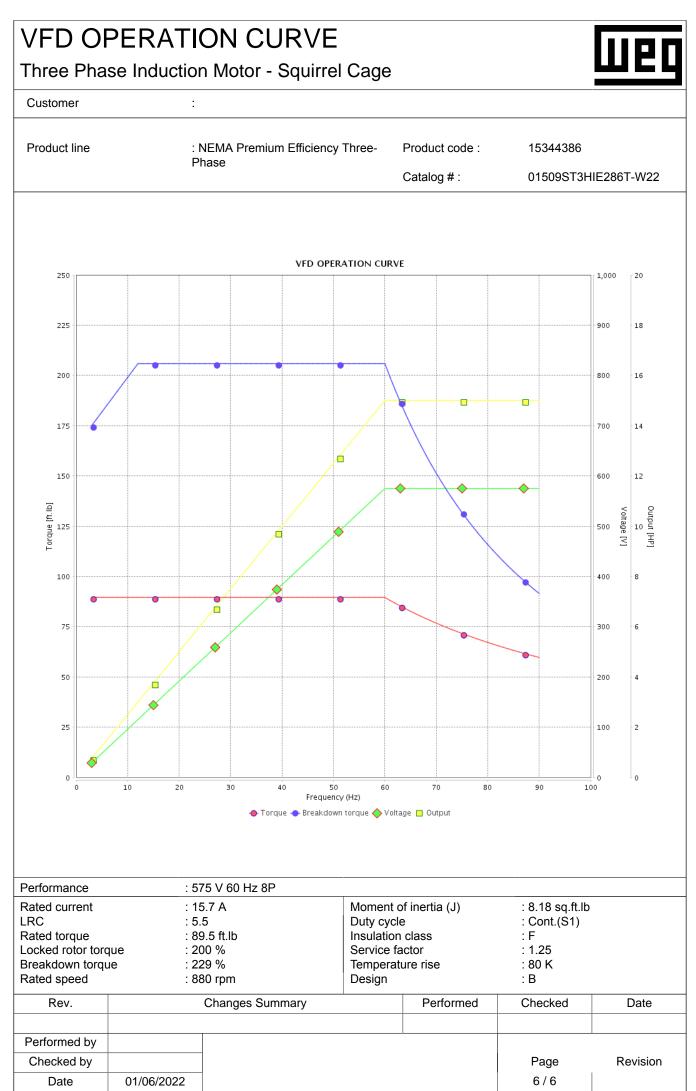
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THERMAL LIMIT CURVE						
Three Pha	se Inductior	n Motor - Squirrel	Cage			шсц
Customer	:					
Product line		NEMA Premium Efficiency ⁻ nase		Product code : Catalog # :	15344386 01509ST3H	E286T-W22
Parformanco		75 V 60 Hz 8P				
Performance Rated current		5.7 A	Moment of inertia (J)		: 8.18 sq.ft.lb	
LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 5.5Duty cy: 89.5 ft.lbInsulation: 200 %Service: 229 %Temper: 880 rpmDesign		class ctor	: Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
Performed by						

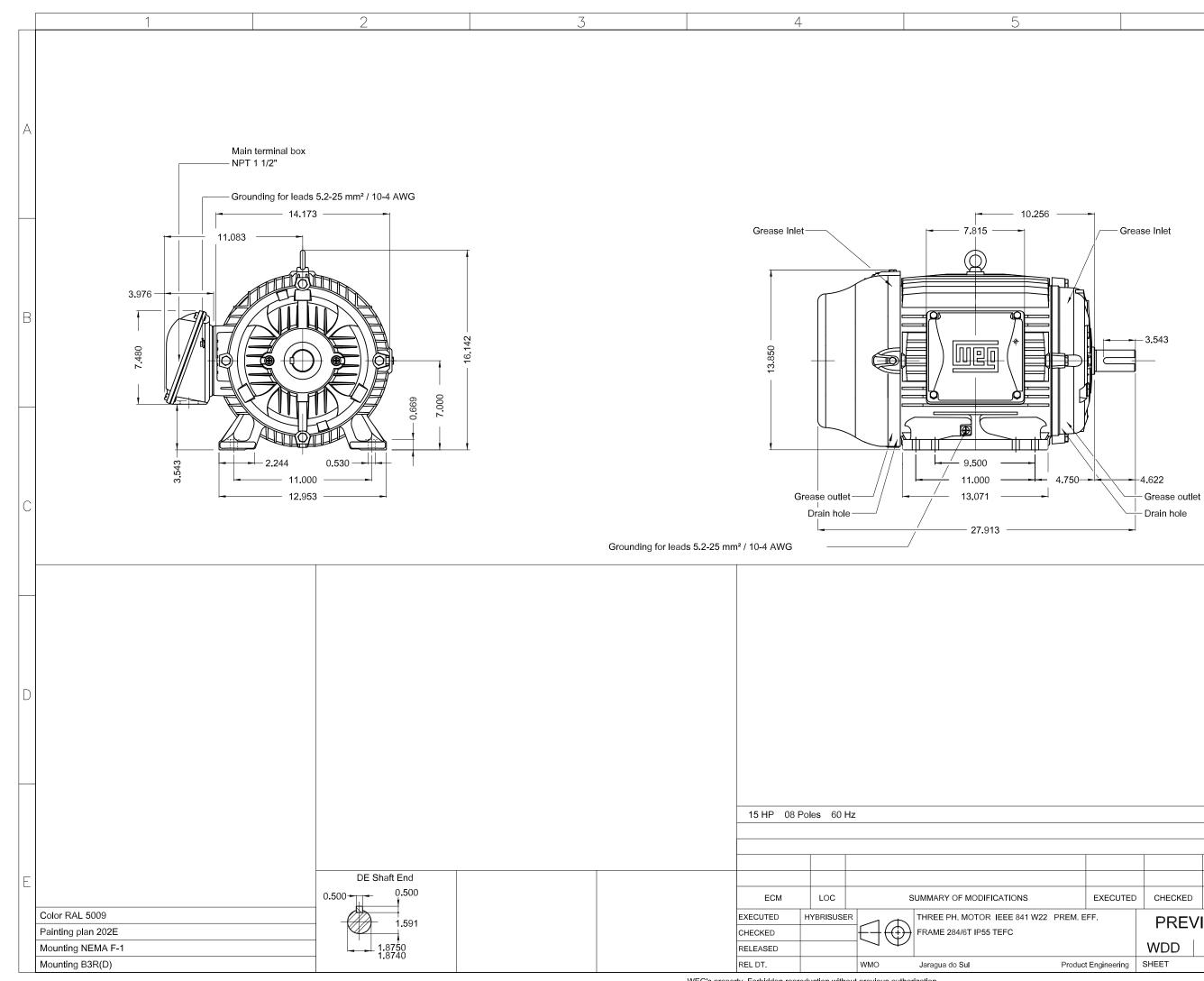
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Checked by			Page	Revision
Date	01/06/2022		4 / 6	
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