DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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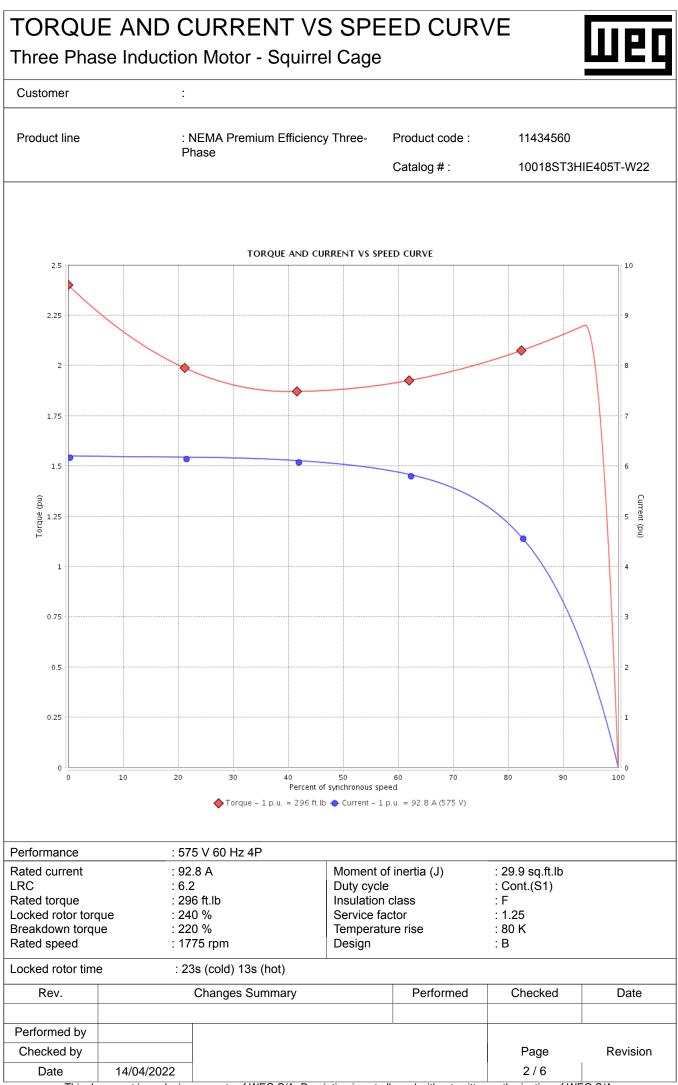
Customer

		: NEMA Premium Efficiency T Phase			Three- Product code :		11434560	
			-			Catalog # :	10018ST3F	IIE405T-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	: 4 : 60 H : 575 : 92.8 : 575 : 6.2x : 25.6 : 177 : 1.39 : 296 : 240 : 220 : F : 1.25	HP (75 kV Hz V 3 A A ((Code G) 3 A 5 rpm 9 % ft.lb % %	V)	Temper Duty cy Ambien Altitude Protecti Cooling Mountir Rotation Noise le Starting	t temperature on degree method ¹⁹	: 23s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a : IP55 : IC411 - TI : F-1 : Both (CW : 68.0 dB(A : Direct On : 1236 lb	+40°C .s.l. EFC and CCW)
Output	25%	50%	75%	100%	Foundatio	on loads		
Efficiency (%) Power Factor	94.5 0.54	95.0 0.77	95.0 0.84	95.4 0.85	Max. tract Max. com		: 1336 lb : 2572 lb	
Bearing type Sealing Lubrication inter Lubricant amoun Lubricant type Notes			Inp 10	16 C3 ro/Seal 0000 h 34 g Mo	bil Polyrex	6314 C3 Inpro/Seal 12000 h 27 g EM		
must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr	ed. notor from t 1m and wit weight subj rocess.	the shaft e h toleranc	nd. e of +3dB(A).		•	based on tests w ne tolerances stipu	
This revision rep must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	ed. notor from t 1m and wit weight subj rocess.	the shaft e h toleranc ject to cha	nd. e of +3dB(A).	power su	•		
must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	ed. notor from t 1m and wit weight subj rocess.	the shaft e h toleranc ject to cha	nd. e of +3dB(inges after	A).	power su	pply, subject to th	ne tolerances stipu	ilated in NEM
must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev. Performed by	ed. notor from t 1m and wit weight subj rocess.	the shaft e h toleranc ject to cha	nd. e of +3dB(inges after	A).	power su	pply, subject to th	ne tolerances stipu Checked	Ilated in NEM
must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	ed. notor from t 1m and wit weight subj rocess.	the shaft e h toleranc ject to cha Ch	nd. e of +3dB(inges after	A).	power su	pply, subject to th	ne tolerances stipu	ilated in NEM

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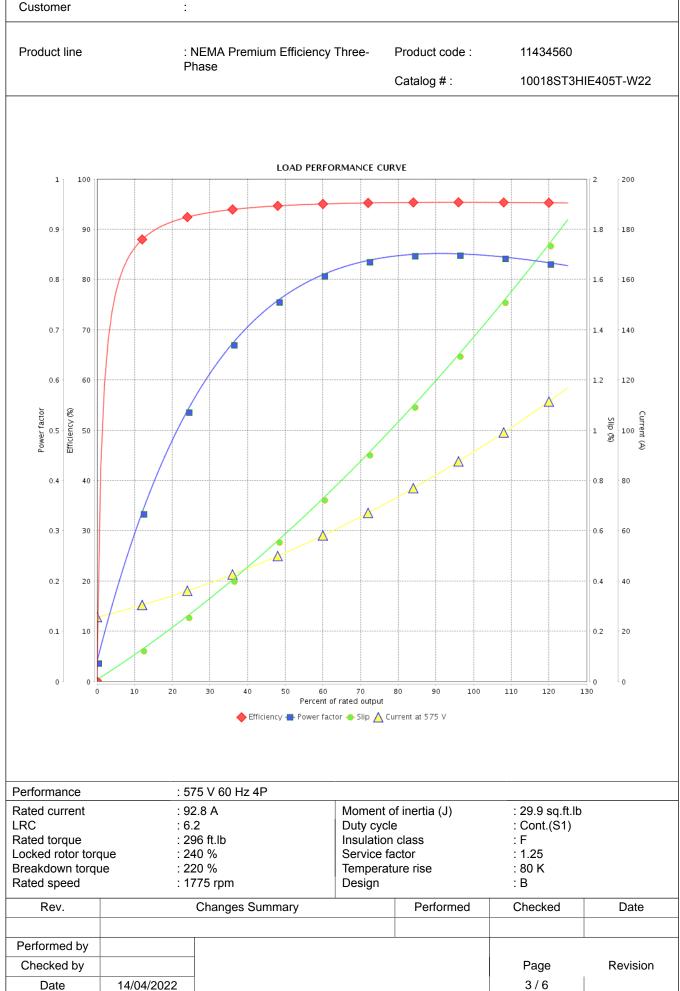


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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



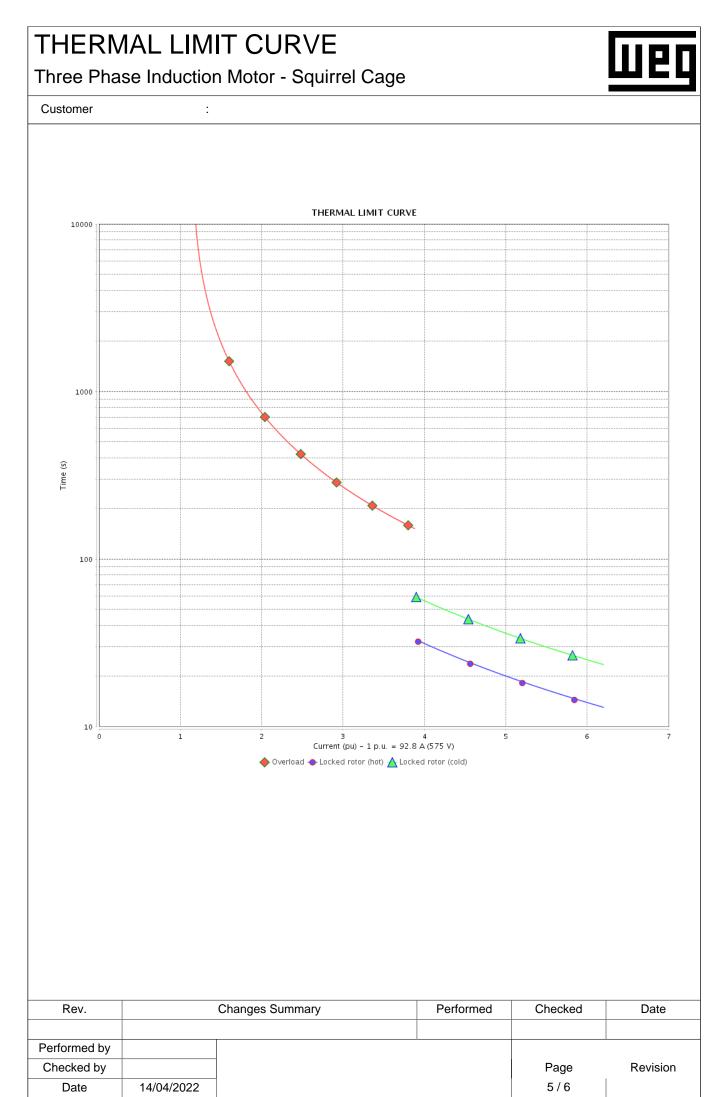
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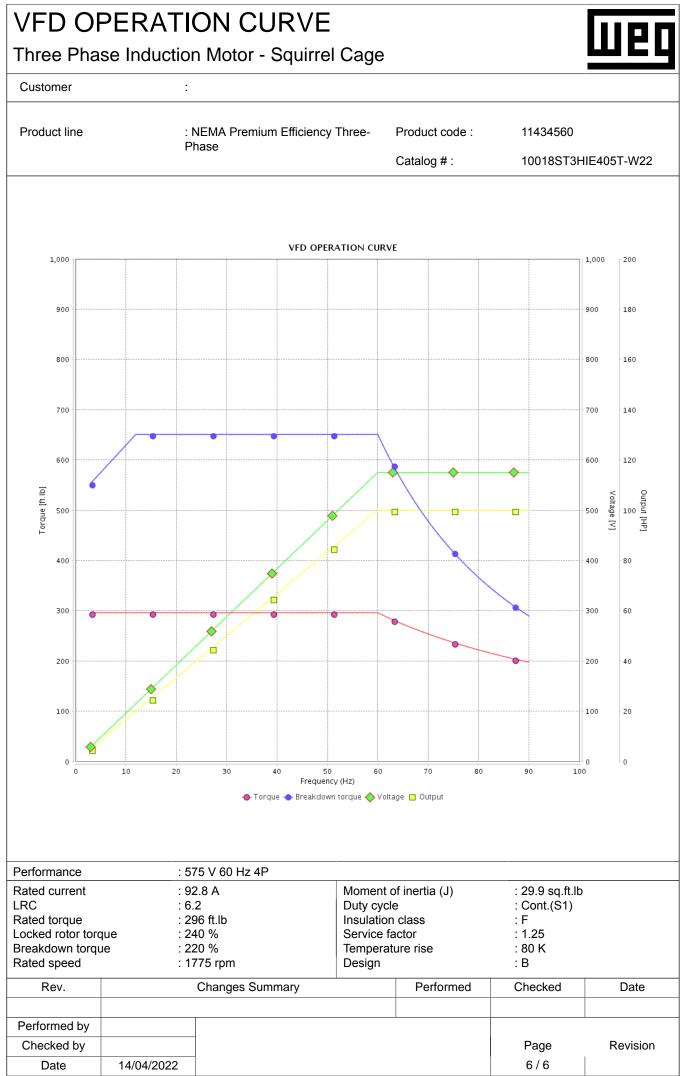
THERMAL LIMIT CURVE							
Three Pha	se Inducti	ion Motor - Squirrel	Cage				
Customer		:					
Product line		: NEMA Premium Efficiency ⁻ Phase		Product code : Catalog # :	11434560 10018ST3H	IE405T-W22	
					100100101	124001-0022	
Derferrer							
Performance Rated current		: 575 V 60 Hz 4P : 92.8 A	Moment o	of inertia (J)	: 29.9 sq.ft.lb		
LRC Rated torque		: 6.2 : 296 ft.lb	Duty cycle Insulation	9	: Cont.(S1) : F		
Locked rotor toro	lue	: 240 %	Service fa	ictor	: 1.25		
Breakdown torqu Rated speed						: 80 K : B	
Heating constant							
Cooling constant Rev.	t	Changes Summary		Performed	Checked	Date	
NEV.		Changes Summary		r enomieu	CHECKEU	Dale	

Performed by						
Checked by			Page	Revision		
Date	14/04/2022		4 / 6			
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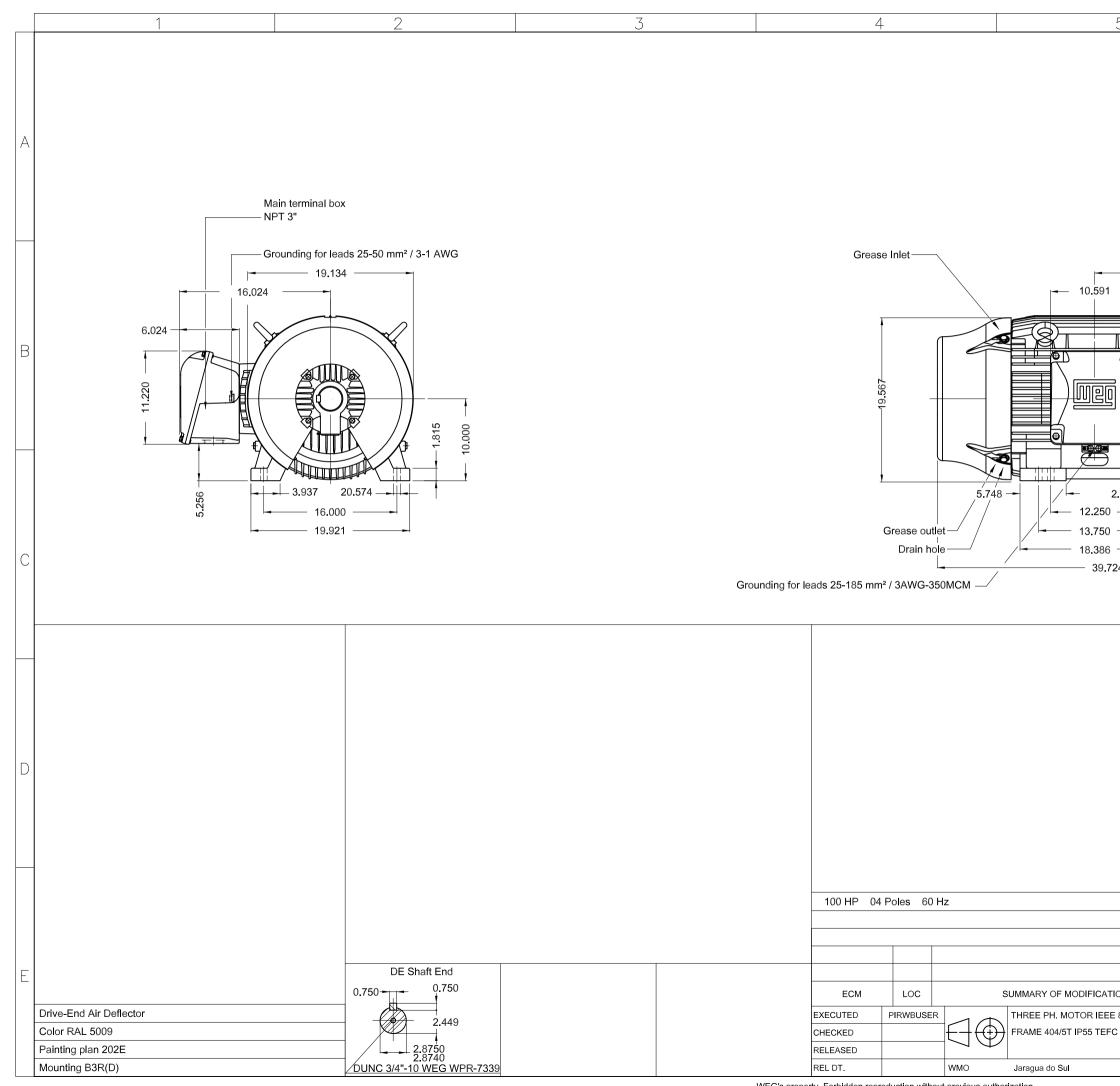
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