DATA SHEET

Three Phase Induction Motor - Squirrel Cage

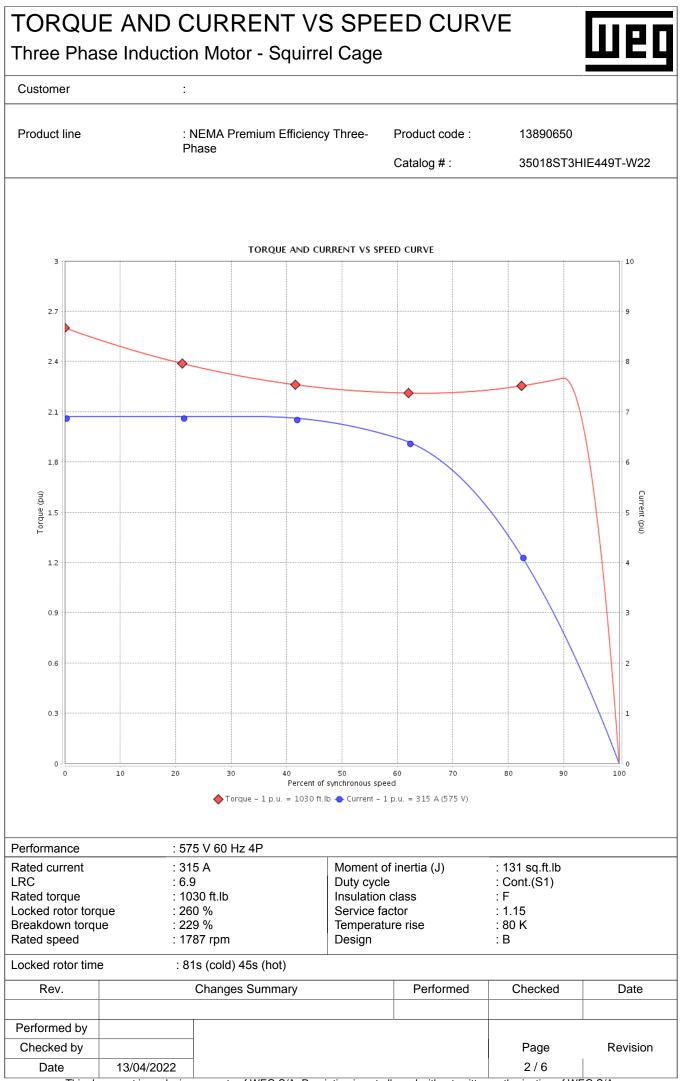
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Customer

Product line		: NEMA Premium Efficiency Thr Phase				Product code :	13890650	13890650	
						Catalog # :	35018ST3F	1IE449T-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 inert Design	ue	: 4 : 60 F : 575 : 315 : 217 : 6.9) : 92.0 : 178 : 0.72 : 103 : 260 : 229 : F : 1.15	HP (260 k Hz 5 A (Code G) 0 A 7 rpm 2 % 0 ft.lb %	:W)	Tempera Duty cy Ambien Altitude Protecti Cooling Mountin Rotation Noise le Starting	t temperature on degree method ng n ¹	: 81s (cold : 80 K : Cont.(S1) : -20°C to : 1000 m.a : IP55 : IC411 - T : F-1 : Both (CW : 77.0 dB(A : Direct On : 3192 lb) +40°C s.l. EFC / and CCW) A)	
Dutput	25%	50%	75%	100%	Foundatic	on loads			
Efficiency (%)	95.7	95.8	96.2	96.2	Max. tract		: 4710 lb		
Power Factor	95.7 0.52	95.8 0.76	90.2 0.83	90.2 0.86	Max. com		: 7903 lb		
			6	000 h		8000 h			
Lubrication inter Lubricant amoun Lubricant type Notes				000 h 60 g Mo	bil Polyrex	8000 h 45 g EM			
Lubricant amoun Lubricant type	nt laces and o ed. notor from 1m and wit weight sub rocess.	the shaft e th toleranc	previous c end. æ of +3dB(60 g Mo	These ar	45 g EM	s based on tests w		
Lubricant amou Lubricant type Notes This revision rep nust be eliminat 1) Looking the r 2) Measured at 3) Approximate nanufacturing pr	nt laces and o ed. notor from 1m and wit weight sub rocess.	the shaft e th toleranc ject to cha	previous c end. æ of +3dB(60 g Mo	These arr power su	45 g EM			
Lubricant amou Lubricant type Notes This revision rep nust be eliminat 1) Looking the r 2) Measured at 3) Approximate nanufacturing pi 4) At 100% of fu	nt laces and o ed. notor from 1m and wit weight sub rocess.	the shaft e th toleranc ject to cha	previous c end. e of +3dB(anges after	60 g Mo	These arr power su	45 g EM	the tolerances stip	ulated in NEMA	
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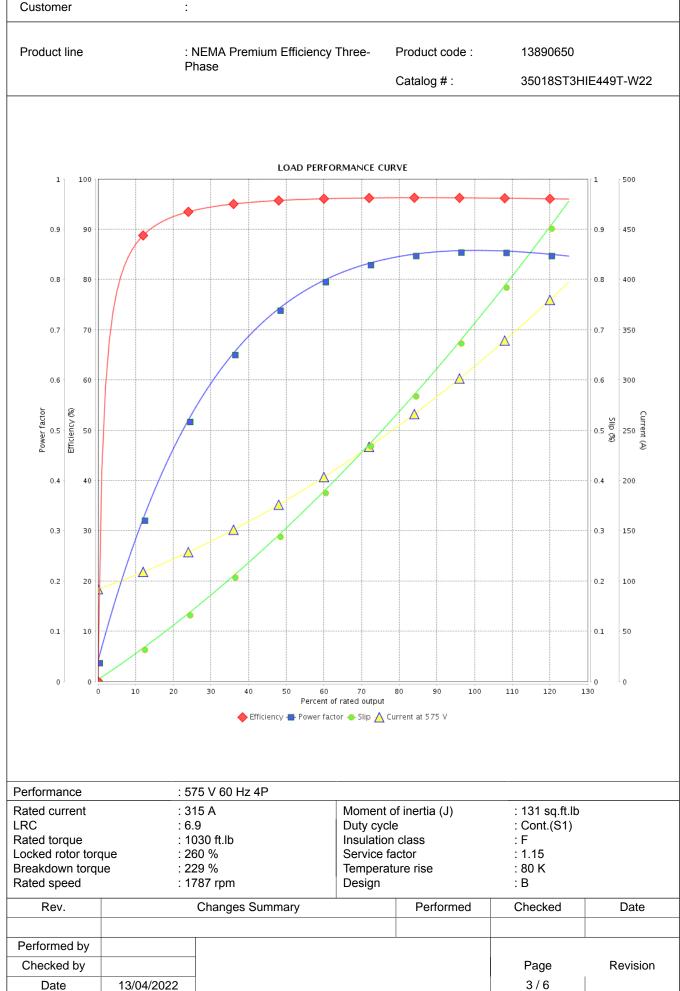


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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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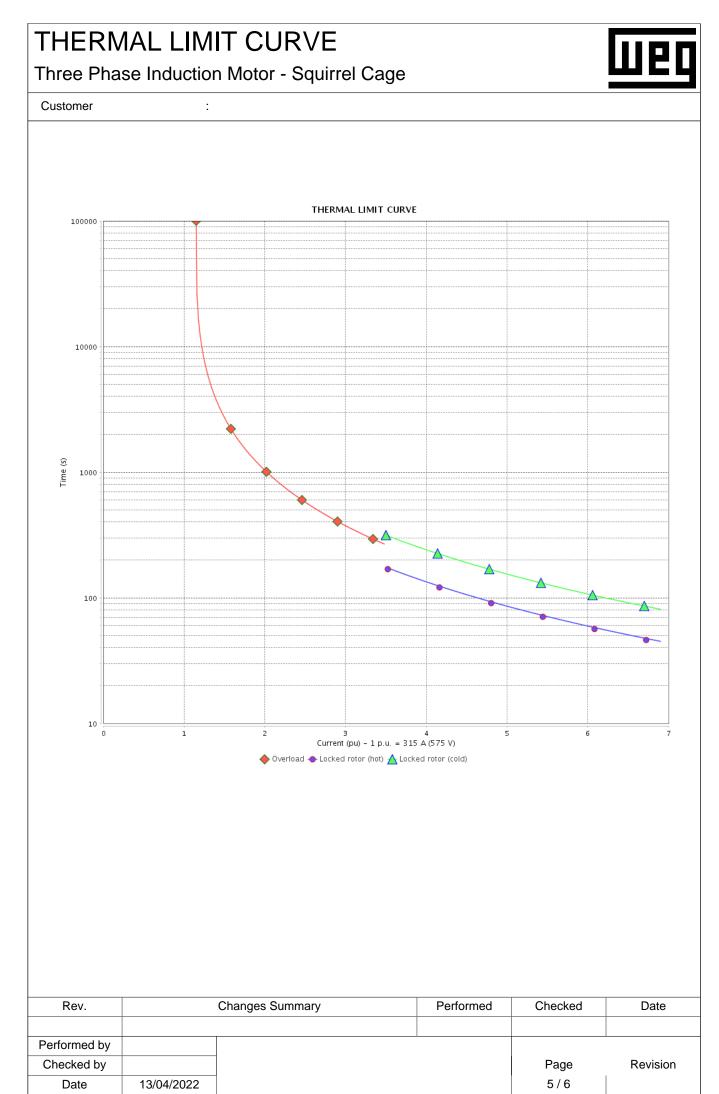
THERMAL LIMIT CURVE						
Three Pha	se Induction	n Motor - Squirrel	Cage			
Customer	:					
Product line		NEMA Premium Efficiency ⁻ hase	Three-	Product code :	13890650	
				Catalog # :	35018ST3H	IE449T-W22
Performance		75 V 60 Hz 4P	Momonto	finartia (I)	: 121 cg ft lb	
Rated current: 315 ALRC: 6.9Rated torque: 1030 ft.lbLocked rotor torque: 260 %Breakdown torque: 229 %Rated speed: 1787 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 131 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
NUV .		Granges Summary		renumeu	CHECKEU	Dale
Performed by Checked by		-			Page	Revision

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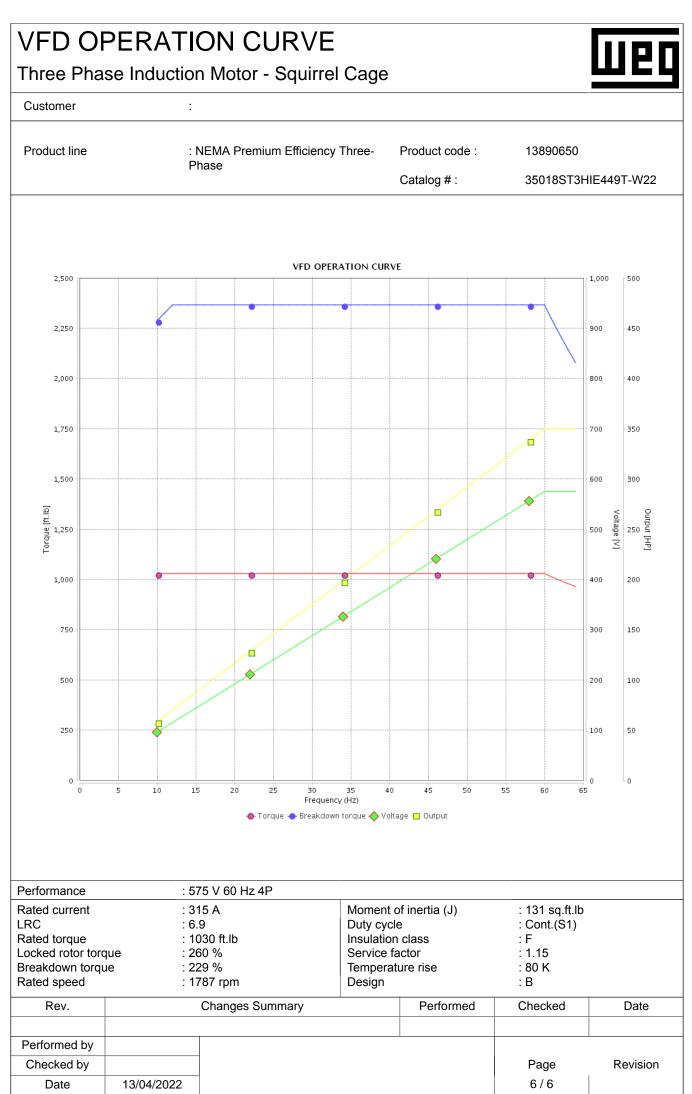
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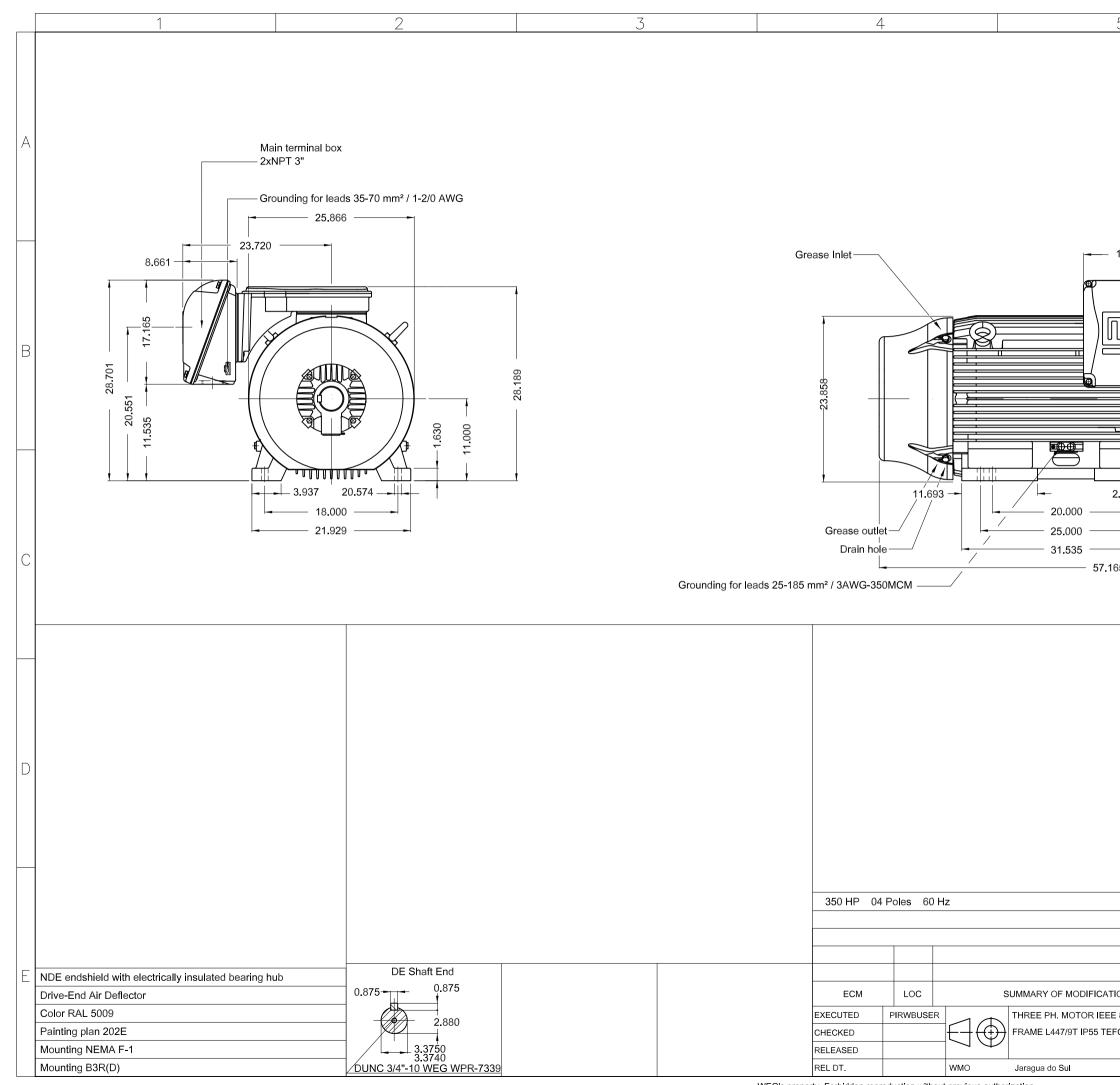
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