DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



		Phase		m Efficiency 1	hree-	Product code :	11360894			
						Catalog # :	05036XT3H	326TS		
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 Insulation class Service factor		: 326TS : 50 HP (37 kW) : 2 : 60 Hz : 575 V : 44.4 A : 320 A : 7.2x(Code H) : 11.8 A : 3560 rpm : 1.11 % : 73.8 ft.lb : 260 % : 260 % : F : 1.15			Catalog # : Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³		: 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IP55 : IC411 - TE : F-1 : Both (CW : 81.0 dB(A	: 59s (cold) 33s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 81.0 dB(A) : Direct On Line		
Moment of inerti Design	ia (J)	: 5.42 : B	2 sq.ft.lb							
-	050/		750/	1000/	Found - (an looda				
Dutput Efficiency (%)	25% 91.8	50% 92.4	75% 93.6	100% 94.1	Foundati Max. trac		: 390 lb			
Power Factor	91.8 0.58	92.4 0.82	93.6 0.88	94.1 0.89		npression	: 1082 lb			
Sealing Lubrication inter Lubricant amou		:		l Seal -		Lip Seal -				
Lubricant type				POLYREA	ESTER OI	L (WT/ ENS)				
Lubricant type	laces and o ed. notor from 1m and wir weight sub rocess.	the shaft e	end. e of +3dB(ne, which	These a	L (WT/ ENS)				
Lubricant type Notes This revision rep nust be eliminate 1) Looking the n 2) Measured at 3) Approximate nanufacturing pr	laces and o ed. notor from 1m and wir weight sub rocess.	the shaft e th toleranc ject to cha	end. e of +3dB(ne, which A).	These a power s	re average values				
Lubricant type Notes This revision rep nust be eliminati 1) Looking the n 2) Measured at 3) Approximate nanufacturing pr 4) At 100% of fu Rev.	laces and o ed. notor from 1m and wir weight sub rocess.	the shaft e th toleranc ject to cha	nd. e of +3dB(inges after	ne, which A).	These a power s	re average values upply, subject to th	e tolerances stipu	lated in NEMA		
Lubricant type Notes This revision rep nust be eliminate 1) Looking the n 2) Measured at 3) Approximate nanufacturing pr 4) At 100% of fu	laces and o ed. notor from 1m and wir weight sub rocess.	the shaft e th toleranc ject to cha	nd. e of +3dB(inges after	ne, which A).	These a power s	re average values upply, subject to th	e tolerances stipu	lated in NEMA		

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Customer

1		Thermal protection			
ID	Application	Туре	Quantity		Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C
Rev.	Chang	les Summary	Performed	Checked	Date
erformed by					
Checked by				Page	Revision

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

:





Product line	: NEMA Premium Efficiency T Phase	hree- Product code :		
	Phase	Catalog # :		
	TORQUE AND CURRE	NT VS SPEED CURVE		
3				10
2.7				
			/	
2.4				8
2.1				7
1.8	•			6
(în d) an 1.5 Jo L		•		Current (pu)
Torc				Lad)
1.2				4
0.9				3
0.6				2
0.3				1
0 10	20 30 40 5 Percent of sync	0 60 70 hronous speed	80 90	100
	◆ Torque - 1 p.u. = 73.8 ft.lb ◆	Current - 1 p.u. = 44.4 A (575 V)		
erformance	: 575 V 60 Hz 2P			
Rated current: 44.4 ALRC: 7.2Rated torque: 73.8 ft.lbLocked rotor torque: 260 %Breakdown torque: 260 %Rated speed: 3560 rpm		loment of inertia (J) outy cycle nsulation class ervice factor emperature rise vesign	: 5.42 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
ocked rotor time	: 59s (cold) 33s (hot)		· -	
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by Date 12/0			Page 3 / 7	Revision

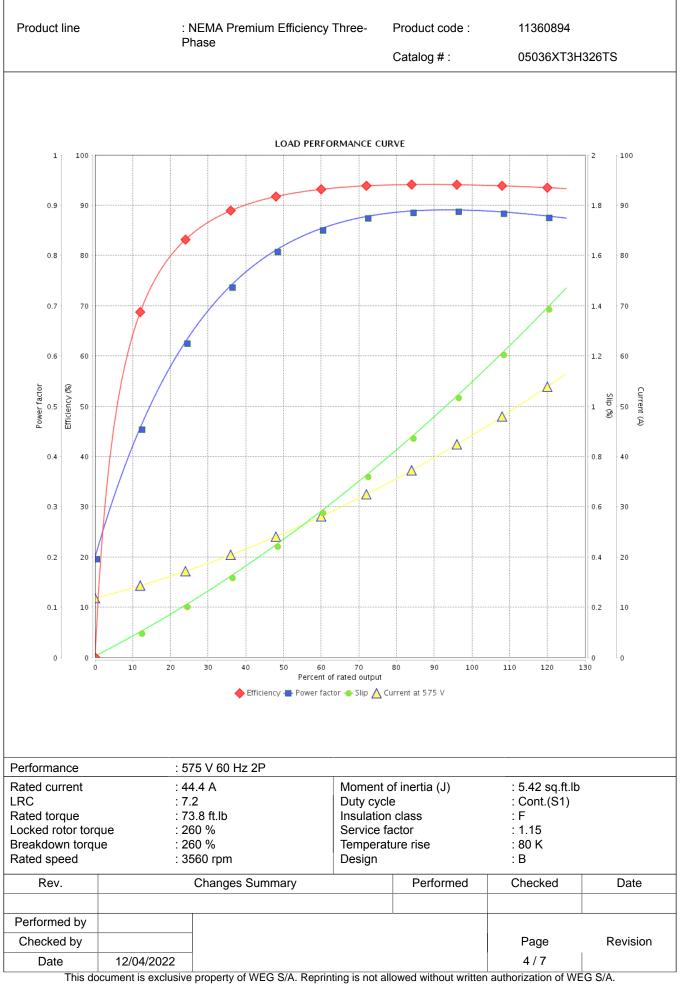
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer



THERMAL LIMIT CURVE

:

Three Phase Induction Motor - Squirrel Cage

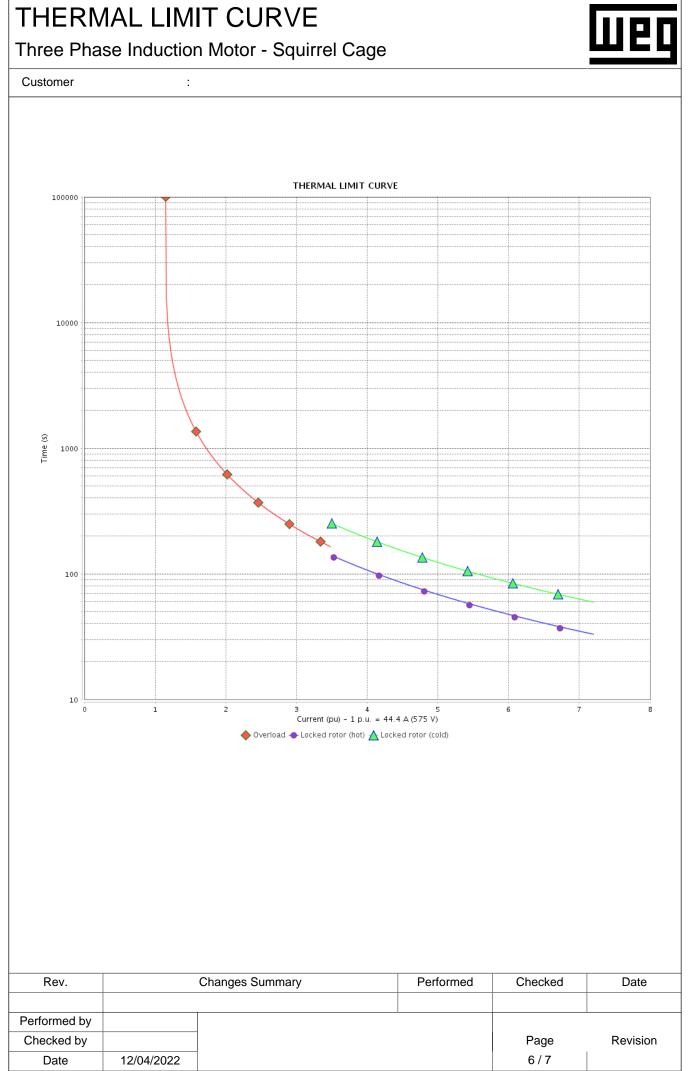
Customer

Product line	: NEMA Premium Efficiency Three- Phase	Product code :	11360894	
		Catalog # :	05036XT3H326TS	

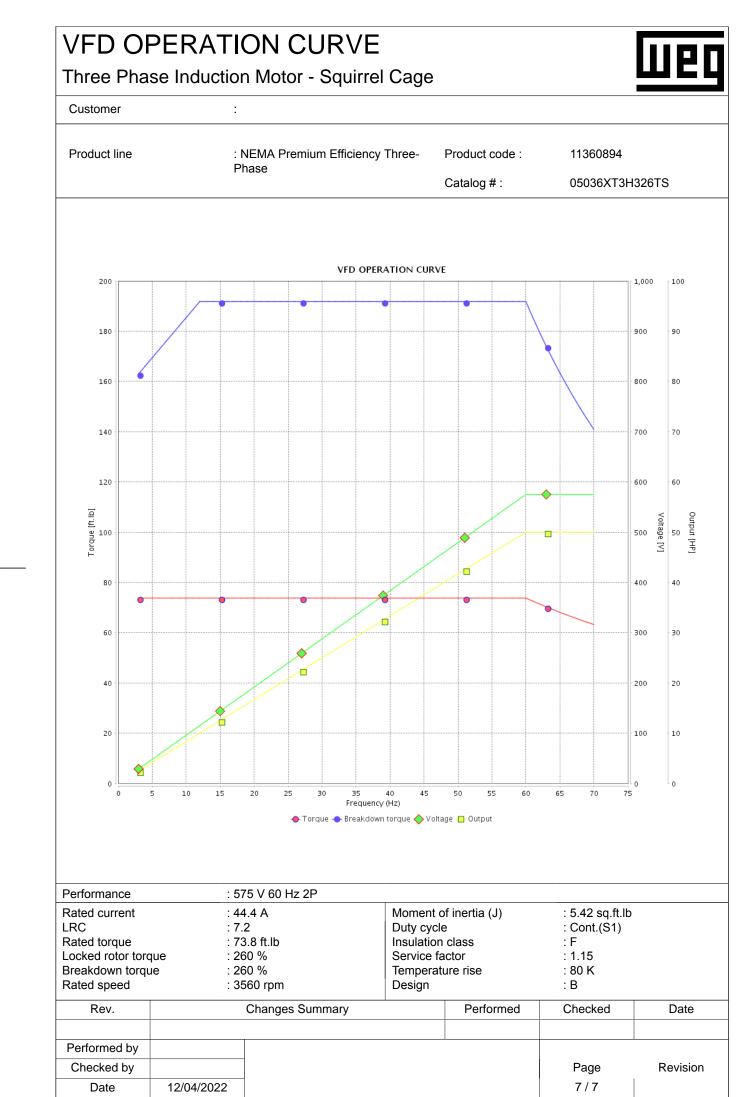
Performance	: 5	575 V 60 Hz 2P				
LRC : Rated torque : Locked rotor torque : Breakdown torque : Rated speed :		4.4 A .2 3.8 ft.lb 60 % 60 % 560 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 5.42 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant						
Rev.	Rev. Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date					5/7	

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