DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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		: NEN Phas		n Efficiency 1		Product code :	14293348	140470
						Catalog # :	00536XT3H	1184TC
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	: 2 : 60 H : 575 : 4.88 : 36.6 : 7.5 : 1.76 : 349 : 3.06 : 7.52 : 250 : 380 : F : 1.15	P (3.7 kW) Hz V 3 A 5 A (Code J) 5 A 0 rpm 5 % 2 ft.lb % %		Temper Duty cy Ambien Altitude Protecti Cooling Mountir Rotation Noise le Starting	t temperature on degree method ng n ¹	: 46s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a : IP55 : IC411 - TI : F-1 : Both (CW : 69.0 dB(A : Direct On : 133 lb	+40°C .s.l. EFC / and CCW)
-	250/		75%	100%	Foundatio			
Output Efficiency (%)	25% 84.3	50% 85.5	87.5	100% 88.5	Max. trac		: 116 lb	
Power Factor	84.3 0.47	85.5 0.70	87.5 0.81	88.5 0.86	Max. trac Max. com		: 249 lb	
Sealing Lubrication inter Lubricant amour Lubricant type		:	Oi	Seal - -		Lip Seal -		
				Mo	bil Polyrex	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 wi weight sub rocess.	the shaft e th toleranc	end. e of +3dB(/	ne, which	These ar	e average values	s based on tests w ne tolerances stipu	
Notes This revision rep must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr	ed. notor from 1m and wi weight sub rocess.	the shaft e th toleranc oject to cha	end. e of +3dB(/	ne, which 4).	These ar power su	e average values		
Notes Notes 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 1m and wi weight sub rocess.	the shaft e th toleranc oject to cha	end. e of +3dB(/ inges after	ne, which 4).	These ar power su	e average values	ne tolerances stipu	ulated in NEMA
Notes This revision rep nust be eliminate 1) Looking the n 2) Measured at 3) Approximate nanufacturing pr 4) At 100% of fu Rev. Performed by	ed. notor from 1m and wi weight sub rocess.	the shaft e th toleranc oject to cha	end. e of +3dB(/ inges after	ne, which 4).	These ar power su	e average values	Checked	ulated in NEMA
Notes Notes This revision rep nust be eliminate 1) Looking the n 2) Measured at 3) Approximate nanufacturing pr 4) At 100% of fu Rev.	ed. notor from 1m and wi weight sub rocess.	the shaft e th toleranc oject to cha Ch	end. e of +3dB(/ inges after	ne, which 4).	These ar power su	e average values	ne tolerances stipu	ulated in NEMA

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DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

		Thermal protection			
ID	Application	Туре	Quantity		Femperature
1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C
Rev.	Chanc	les Summary	Performed	Checked	Date
		,			2 4.0
erformed by					
Checked by				Page	Revision

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	: NEMA Premium Efficiency Th Phase	hree- Product code :	14293348 00536XT3H184TC	
	rnase	Catalog # :		
	TORQUE AND CURRE	NT VS SPEED CURVE		
5				10
4.5				9
4				8
•	• •			
3.5 -				7
3				6
(m)				6
(înd) an 2.5				Current (pu)
			•	5
2 -				4
1.5 -				3
1				2
0.5				
0				o
0 10	20 30 40 50 Percent of synci ♦ Torque – 1 p.u. = 7.52 ft.lb ◆	hronous speed	80 90	100
	Violgas I p.a. – 7.52 Kib			
erformance	: 575 V 60 Hz 2P			
RC : 7.5		loment of inertia (J) uty cycle	: 0.1889 sq.ft.lb : Cont.(S1)	
ated torque ocked rotor torque		sulation class ervice factor	: F : 1.15	
reakdown torque ated speed	: 380 % Te	emperature rise esign	: 80 K : B	
ocked rotor time	: 46s (cold) 26s (hot)	-		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision

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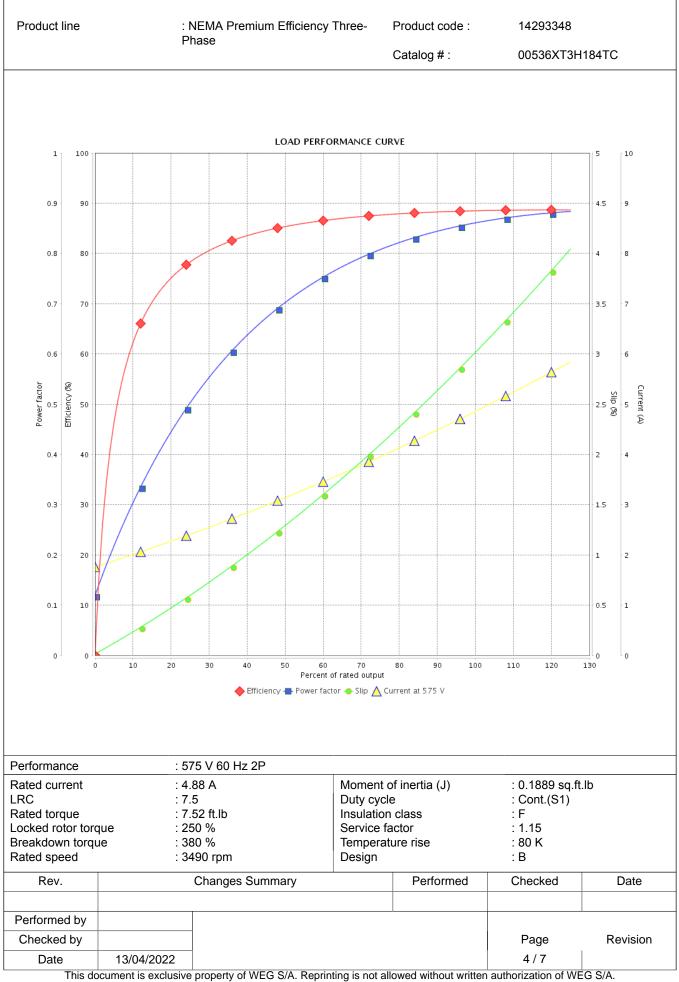
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer



THERMAL LIMIT CURVE

:

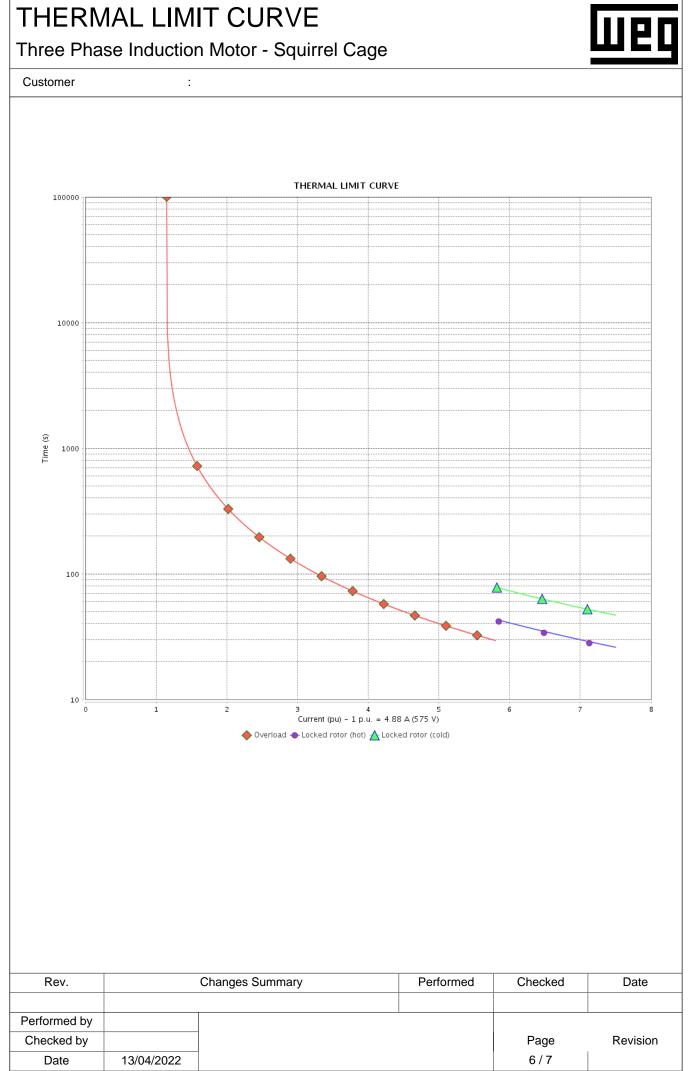
Three Phase Induction Motor - Squirrel Cage

Customer

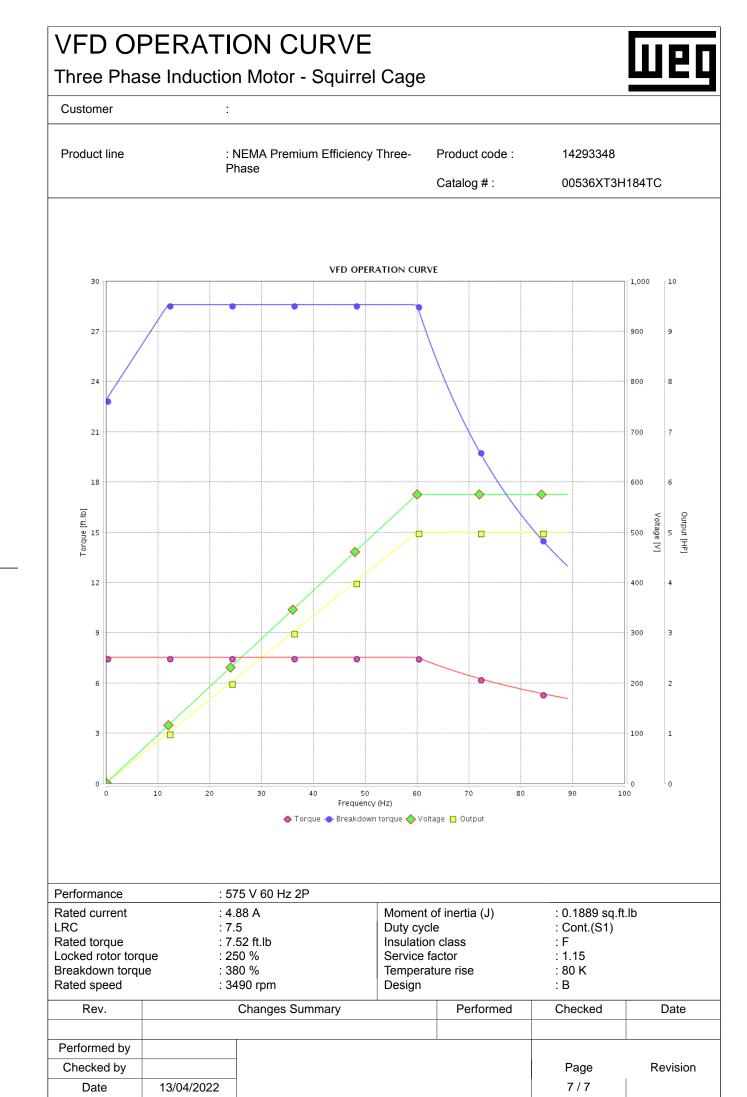
Catalog # : 00536XT3H184TC	Product line	: NEMA Premium Efficiency Three- Phase	Product code :	14293348
		FildSe	Catalog # :	00536XT3H184TC

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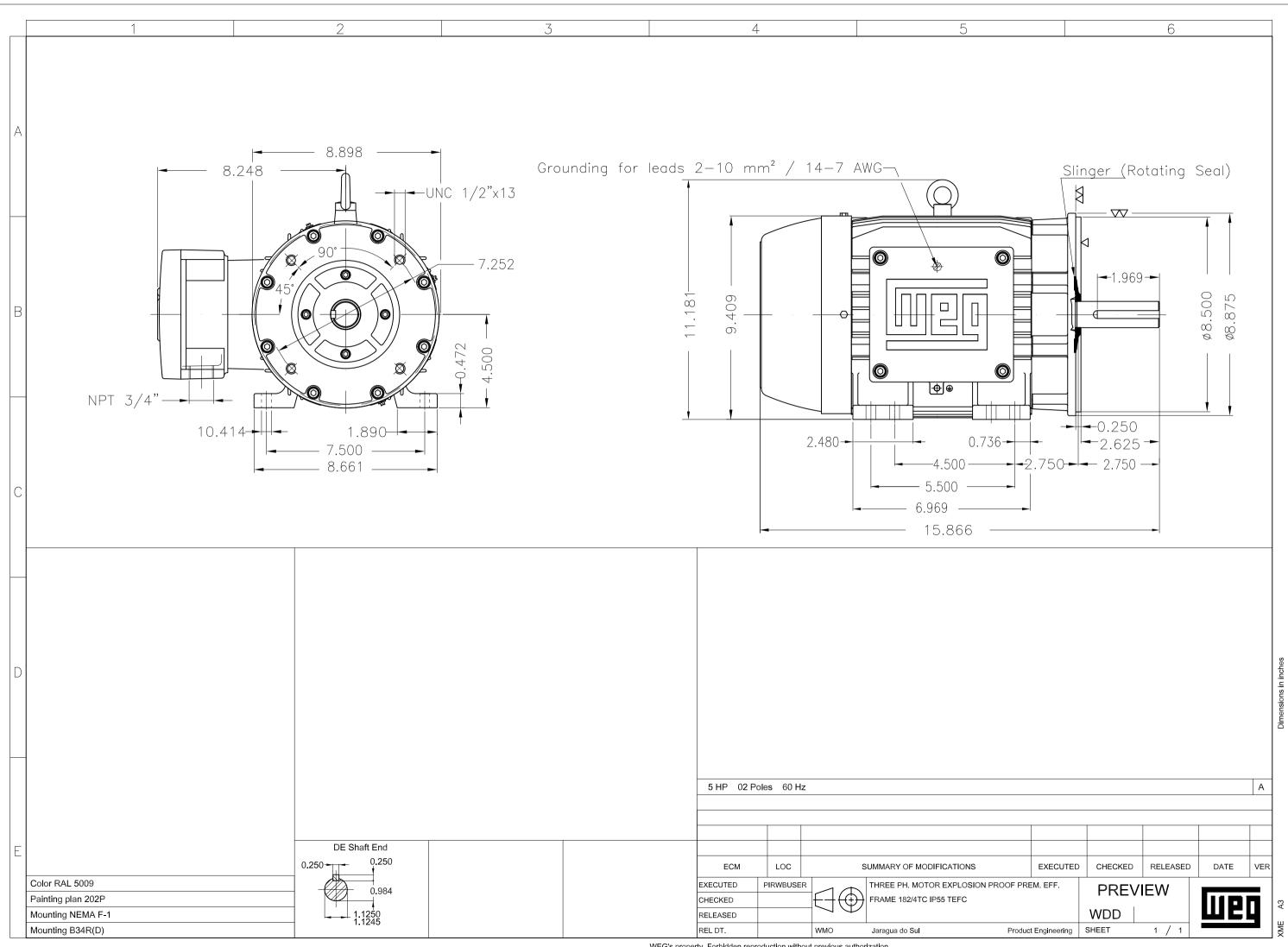
Performance	:	575 V 60 Hz 2P				
Rated current: 4.88 ALRC: 7.5Rated torque: 7.52 ft.lbLocked rotor torque: 250 %Breakdown torque: 380 %Rated speed: 3490 rpm		7.5 7.52 ft.lb 250 % 380 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1889 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				5/7	
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