DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Product line		: NEMA Premium Efficiency Three- Product code : Phase			roduct code :	14407587		
					C	atalog # :	03012XT3H	1326T
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torqu Breakdown torqu Insulation class Service factor Moment of inertia	ie	: 6 : 60 F : 575 : 29.4 : 208 : 7.1x : 13.6 : 118 : 1.67 : 134 : 240 : 270 : F : 1.15	HP (22 kW) Hz V A A ((Code H) S A 0 rpm 7 % ft.lb % %)	Locked ro Temperat Duty cycl Ambient f Altitude Protection Cooling rn Mounting Rotation ¹ Noise lev Starting r Approx. v	ture rise e temperature n degree nethod rel ² nethod	: 45s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a : IP55 : IC411 - TI : F-1 : Both (CW : 62.0 dB(A : Direct On : 647 lb	+40°C .s.l. EFC / and CCW)
Design		: B						
Dutput	25%	50%	75%	100%	Foundation			
Efficiency (%) Power Factor	92.2 0.38	92.4 0.63	93.0 0.75	93.0 0.81	Max. tractic Max. comp		: 1060 lb : 1707 lb	
Lubrication interv		:	20	l Seal 000 h		Lip Seal 20000 h		
Lubrication interv Lubricant amoun Lubricant type			20	000 h 21 g	bil Polyrex E	20000 h 13 g		
Sealing Lubrication interv Lubricant amoun Lubricant type Notes This revision repla nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro 4) At 100% of ful	t aces and o ed. otor from m and wir veight sub ocess.	the shaft e th toleranc	20 20 20 20 20 20 20 20 20 20 20 20 20 2	000 h 21 g Mo	These are	20000 h 13 g M average values	based on tests w e tolerances stipu	
Lubrication interv Lubricant amoun Lubricant type Notes This revision repla nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro	t aces and o ed. otor from m and wir veight sub ocess.	the shaft e th toleranc ject to cha	20 20 20 20 20 20 20 20 20 20 20 20 20 2	000 h 21 g Mo	These are power sup	20000 h 13 g M average values		
Lubrication interv Lubricant amoun Lubricant type Notes This revision repla nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro 4) At 100% of ful	t aces and o ed. otor from m and wir veight sub ocess.	the shaft e th toleranc ject to cha	20 20 20 20 20 20 20 20 20 20 20 20 20 2	000 h 21 g Mo	These are power sup	20000 h 13 g M average values ply, subject to th	e tolerances stipu	ulated in NEMA

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Customer

ID	Thermal protection Type		Quantity	Sensing Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C
•			7 X 1 11050		
Rev.	Chang	ges Summary	Performed	Checked	Date
erformed by					
Checked by				Page	Revision
,					

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	: NEMA Premium Efficiency	Three- Product code :	Product code : 14407587 Catalog # : 03012XT3H326T	
	Phase	Catalog # :		
	TORQUE AND CU	RRENT VS SPEED CURVE		
3				10
2.7				
2.4			•	8
	<u> </u>			
2.1				7
1.8				
(nd) an 1.5 o L				Current (pu)
Ē				u)
1.2				4
0.9				
0.9				
0.6				2
0.3				1
0				
0 10		50 60 70 synchronous speed	80 90	100
	◆ Torque – 1 p.u. = 134 ft.lb	◆ Current - 1 p.u. = 29.4 A (575 V)		
erformance	: 575 V 60 Hz 6P			
ated current	: 29.4 A : 7.1	Moment of inertia (J) Duty cycle	: 12.5 sq.ft.lb : Cont.(S1)	
ated torque ocked rotor torque	: 134 ft.lb : 240 %	Insulation class Service factor	: F : 1.15	
reakdown torque ated speed	: 270 % : 1180 rpm	Temperature rise Design	: 80 K : B	
ocked rotor time	: 45s (cold) 25s (hot)			
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
-			Page	Revision

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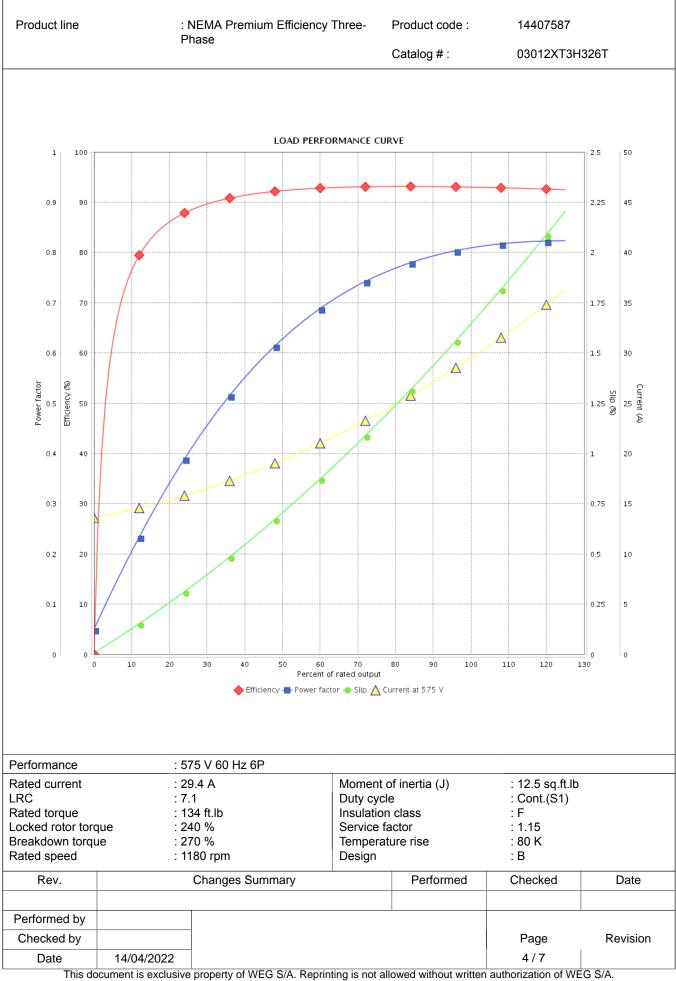
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer



THERMAL LIMIT CURVE

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Three Phase Induction Motor - Squirrel Cage

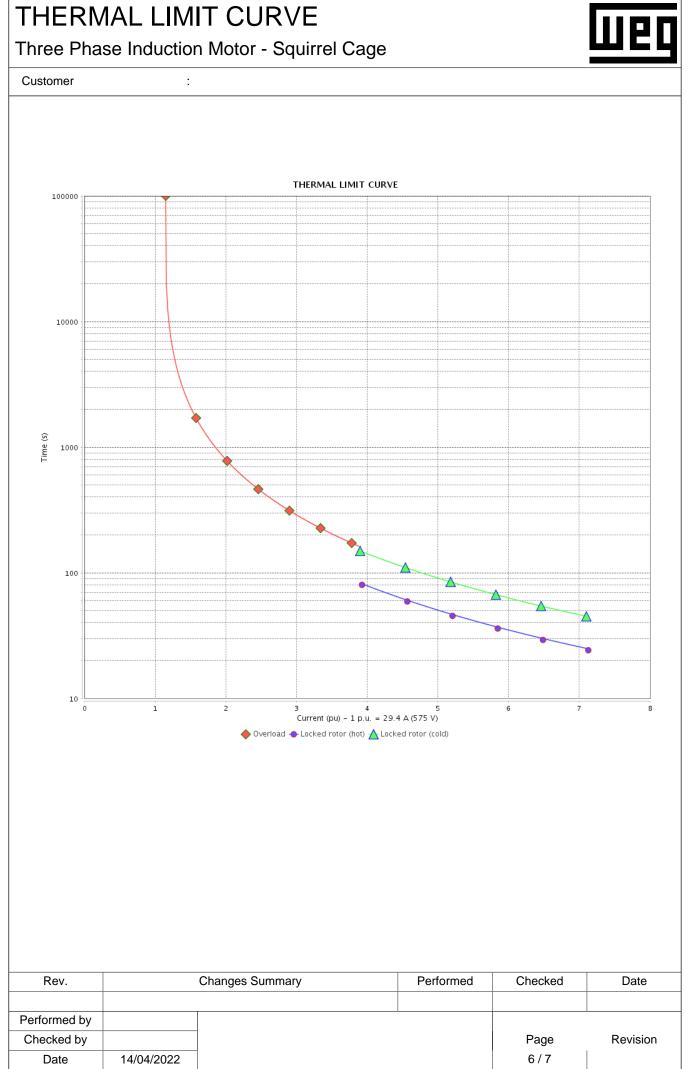
Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	14407587	
	Phase	Catalog # :	03012XT3H326T	

Шеq

Performance	: 5	75 V 60 Hz 6P				
Rated current: 29.4 ALRC: 7.1Rated torque: 134 ft.lbLocked rotor torque: 240 %Breakdown torque: 270 %Rated speed: 1180 rpm		.1 34 ft.lb 40 % 70 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 12.5 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant	:					
Cooling constant						
Rev.	Rev. Changes Summary			Performed	Checked	Date
Performed by					1	
Checked by					Page	Revision
Date	14/04/2022				5/7	

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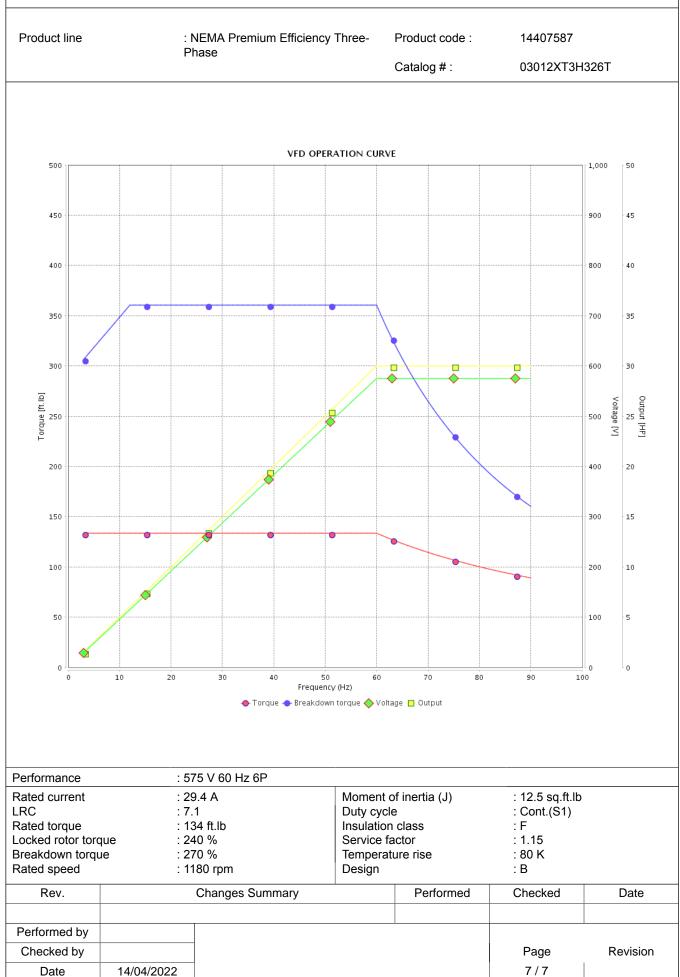
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VFD OPERATION CURVE

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Customer



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