DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:						
Product line		: NEN Phas		m Efficiency		oduct code :	12438113	
					Ca	talog # :	00136ET3H143T-W22	
Frame Output Poles		: 143 : 1 HI : 2 : 60 F	P (0.75 kW	')	Locked rot Temperatu Duty cycle	ire rise	: 39s (cold) 22s (hot) : 80 K : Cont.(S1) : -20°C to +40°C	
Frequency Rated voltage Rated current L. R. Amperes		: 575 : 1.15 : 9.45	V 5 A		Altitude Protection Cooling me	degree	: 1000 m.a.s.l. : IP55 : IC411 - TEFC	
L. K. Amperes LRC No load current Rated speed		: 8.2x : 0.56 : 350	(Code L) 68 A 0 rpm		Mounting Rotation ¹ Noise level ²		: F-1 : Both (CW and CCW) : 68.0 dB(A)	
Slip Rated torque Locked rotor torque Breakdown torque		: 2.78 : 1.50 : 320 : 400	ft.lb %		Starting m Approx. we		: Direct On Line : 40.4 lb	
Insulation class Service factor Moment of inertia		: F : 1.25						
Output	25%	50%	75%	100%	Foundation I	oads		_
Efficiency (%) Power Factor	72.7 0.39	75.0 0.63	79.0 0.74	81.5 0.80	Max. traction	=	: 32 lb : 72 lb	
Bearing type Sealing Lubrication interv		:	62	<u>e end</u> 05 ZZ 'Ring		Non drive end 6204 ZZ V'Ring -		
Lubricant amoun	t	:		- M	lobil Polyrex EM	- 1		
Notes								

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			1/6	

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

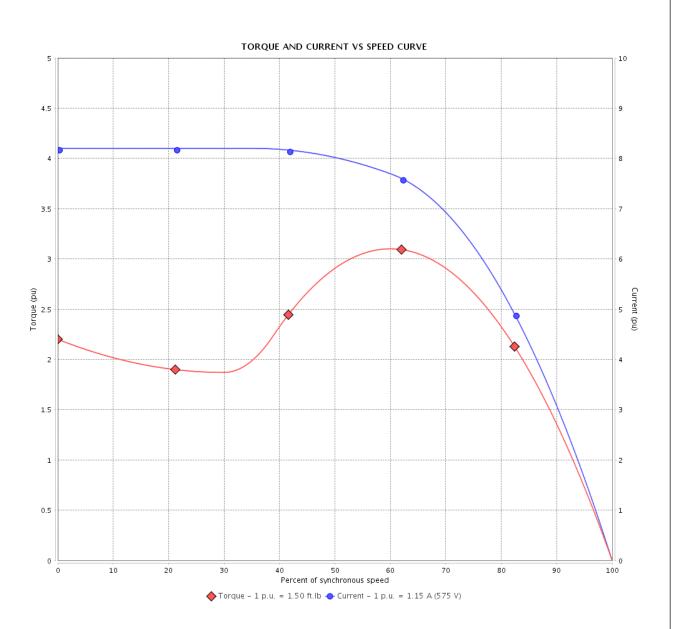


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12438113

Phase

Catalog #: 00136ET3H143T-W22



Performance : 575 V 60 Hz 2P Rated current : 1.15 A Moment of inertia (J) : 0.0332 sq.ft.lb **LRC** : 8.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 1.50 ft.lb : F Locked rotor torque : 320 % Service factor : 1.25 Breakdown torque : 400 % Temperature rise : 80 K Rated speed : 3500 rpm

Locked rotor time : 39s (cold) 22s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			2/6	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

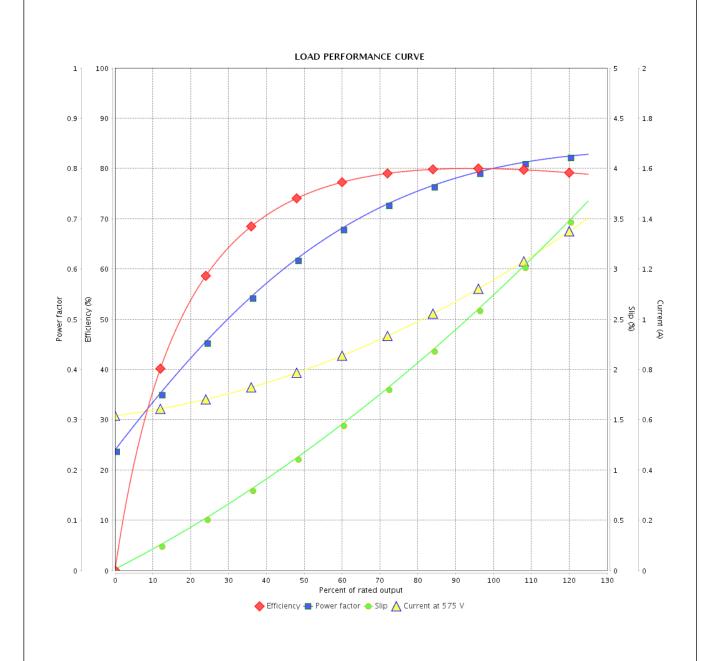


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12438113

Phase

Catalog #: 00136ET3H143T-W22



Performance	: 5	75 V 60 Hz 2P				
Rated current : 1.: LRC : 8.:		.15 A	Moment of inertia (J)		: 0.0332 sq.ft.lb	
		3.2	Duty cycle	Duty cycle		: Cont.(S1)
Rated torque	: 1	.50 ft.lb	Insulation	Insulation class Service factor		
Locked rotor torc	que : 3	20 %	Service fa			
Breakdown torqu	ie : 4	Temperature rise		e rise : 80 K		
Rated speed	: 3	500 rpm				
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	11/04/2022				3/6	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



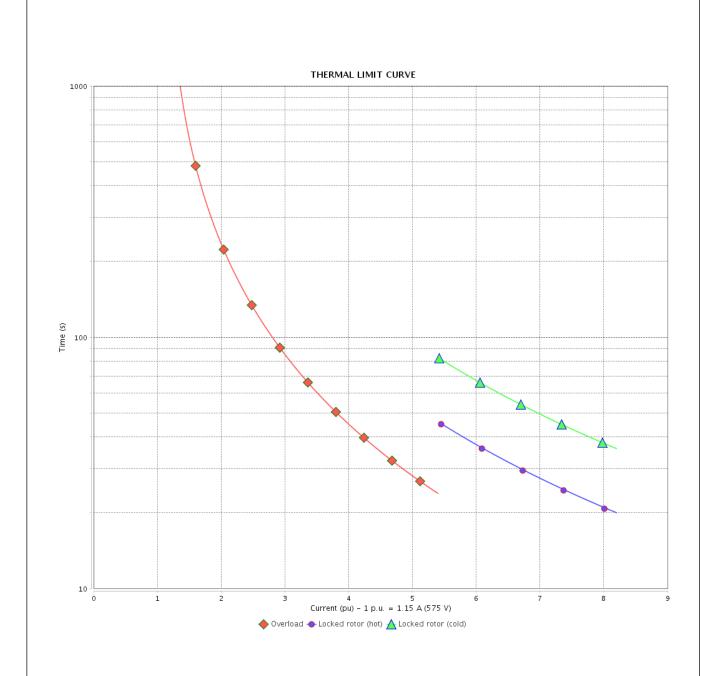
Customer		:			·	
Product line		: NEMA Premium Efficiency	Three	Product code :	12438113	
1 Toddet line		Phase				
				Catalog # :	00136ET3H1	43T-W22
Performance		: 575 V 60 Hz 2P				
Rated current		: 1.15 A	Moment o	of inertia (J)	: 0.0332 sq.ft.l	b
LRC Rated torque		: 8.2 : 1.50 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor torc		: 320 %	Service fa		. г : 1.25	
Breakdown torqu	ie	: 400 %	Temperati		: 80 K	
Rated speed		: 3500 rpm				
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	11/04/2022				4/6	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			5/6	

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



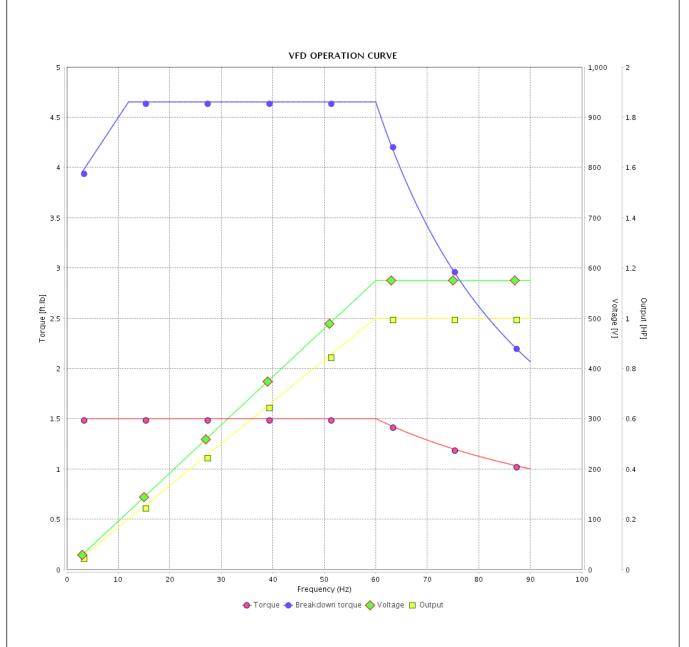
Customer :

Product line : NEMA Premium Efficiency Three- Product c

Phase

Product code: 12438113

Catalog #: 00136ET3H143T-W22



Performance : 575 V 60 Hz 2P : 1.15 A Rated current Moment of inertia (J) : 0.0332 sq.ft.lb **LRC** : 8.2 Duty cycle : Cont.(S1) : 1.50 ft.lb Insulation class Rated torque : F Locked rotor torque : 320 % Service factor : 1.25 Breakdown torque : 400 % Temperature rise : 80 K Rated speed : 3500 rpm

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/04/2022			6/6	

