DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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Customer		•							
Product line		: NEN Phas		m Efficienc	y Three-	Product code Catalog #:	:	12353987 05018ET3H326JP-W22	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torque Insulation class Service factor Moment of inertit Design	ue	: 4 : 60 H : 575 : 47.4 : 294 : 6.25 : 18.8 : 177 : 1.39 : 148 : 229 : 270 : F	HP (37 kW) Hz V 4 A (Code G) 3 A 5 rpm 9 % ft.lb 1 %)	Temp Duty Amb Altitu Prote Cool Mour Rota Noise Start	ection degree ing method nting		: 27s (cold) 15s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 66.0 dB(A) : Direct On Line : 606 lb	
Output	25%	50%	75%	100%	Founda	ation loads			
Efficiency (%)	92.5	93.0	94.1	94.5	Max. tr	action		: 1230 lb	
Power Factor	0.42	0.66	0.77	0.83	Max. c	ompression		: 1836 lb	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : : : : : : : : : : : : : : : : : :	Drive end 6312 C3 V'Ring 20000 h 21 g Mo		Non drive end 6212 C3 V'Ring 20000 h 13 g Mobil Polyrex EM				
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.

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



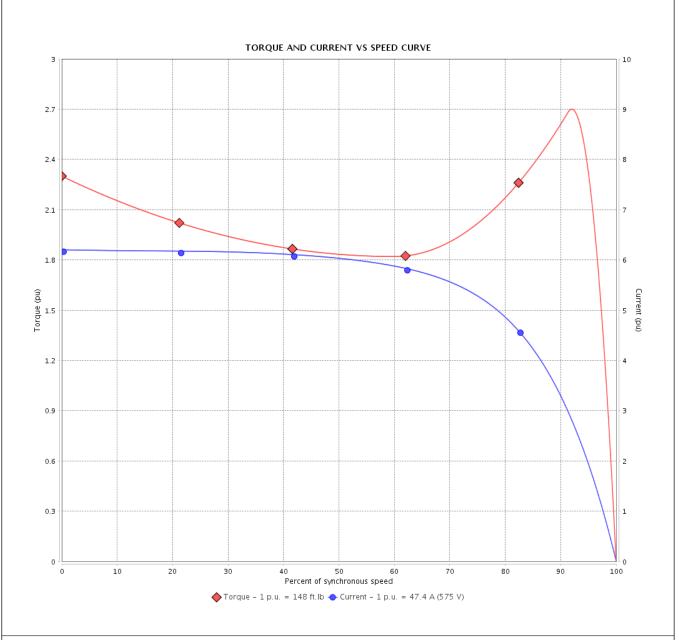
Customer :

Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 12353987

Catalog #: 05018ET3H326JP-W22



Performance : 575 V 60 Hz 4P Rated current : 47.4 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 148 ft.lb : F Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1775 rpm Design : B

Locked rotor time : 27s (cold) 15s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

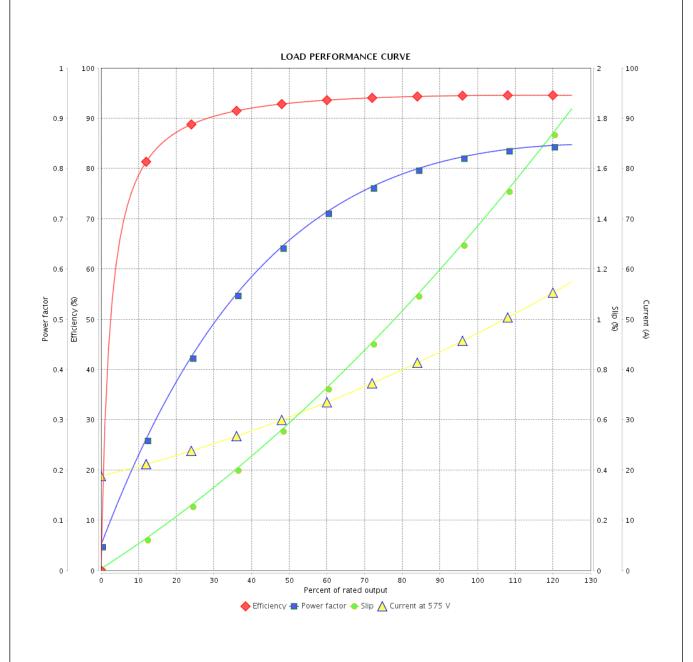


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12353987

Phase

Catalog #: 05018ET3H326JP-W22



Performance		: 575 V 60 Hz 4P						
Rated current	: 4	7.4 A Moment of inertia (J)		: 9.16 sq.ft.lb				
LRC	: 6	5.2	Duty cycle		: Cont.(S1)			
Rated torque	: 1	48 ft.lb	Insulation class		:F			
Locked rotor torqu	ie : 2	29 %	Service fa	Service factor		: 1.25		
Breakdown torque	: 2	270 %	Temperature rise		: 80 K			
Rated speed	: 1	775 rpm	Design	Design				
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



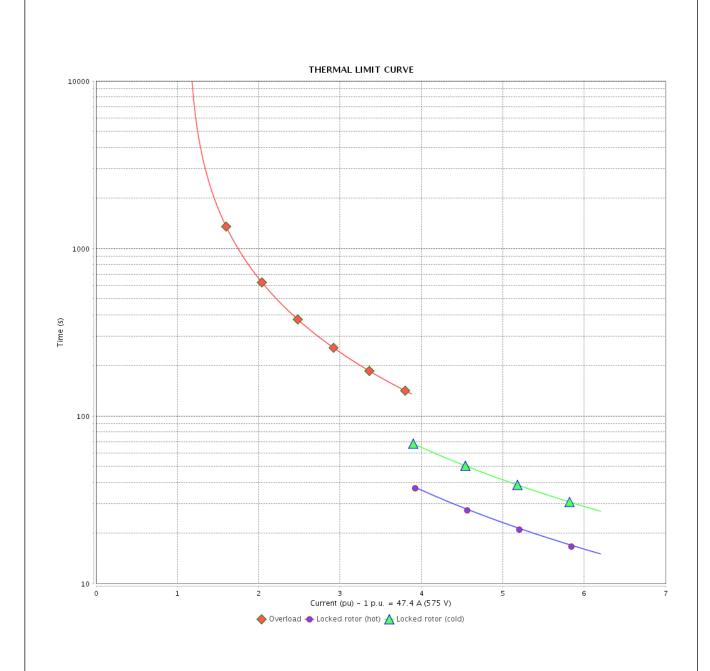
Customer		:				
Product line		: NEMA Premium Efficiency	Three-	Product code :	12353987	
		Phase		Catalog # :	05018ET3H3	00 ID W00
					03010213113	2001 - 7722
Performance		575 V 60 Hz 4P		Charles (D)	0.40 (1.11)	
Rated current LRC		47.4 A 6.2	Duty cycle	of inertia (J)	: 9.16 sq.ft.lb : Cont.(S1)	
Rated torque	:	148 ft.lb	Insulation	class	: F	
Locked rotor tord Breakdown torqu		229 % 270 %	Service fa Temperati		: 1.25 : 80 K	
Rated speed		1775 rpm	Design	uie iise	: B	
Heating constant						
Cooling constant						
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Date

12/04/2022

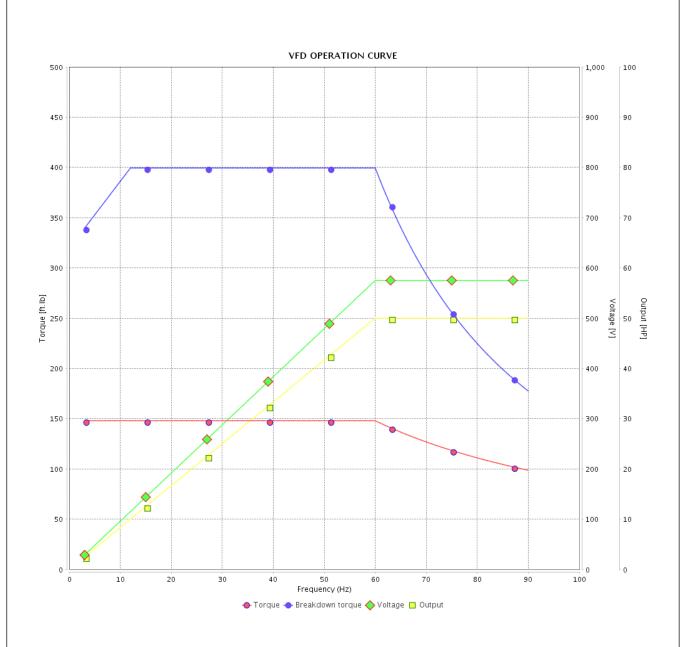
Product line : NEMA Premium Efficiency Three- F

Phase

Product code: 12353987

Catalog #: 05018ET3H326JP-W22

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Performance : 575 V 60 Hz 4P Rated current : 47.4 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.2 : 148 ft.lb Insulation class : F Rated torque Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1775 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

