DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:						
Product line		: NEI Phas		m Efficiency	Three- Product code Catalog #:		14385524 05036ET3H326TS-W22G	
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 Moment of inertia (J) Design		: 2 : 60 I : 575 : 44.9 : 283 : 6.35 : 11.2 : 356 : 1.11 : 74.0 : 229 : F : 1.29	HP (37 kW) Hz V O A A K(Code F) 2 A 0 rpm 1 % 0 ft.lb %)	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	9	: 36s (cold) 20s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 76.0 dB(A) : Direct On Line : 584 lb	
Output	25%	50%	75%	100%	Foundation loads			
Efficiency (%)	92.9	93.0	93.0	93.0	Max. traction	:	359 lb	
Power Factor	0.58	0.81	0.87	0.89	Max. compression	:	943 lb	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : : : : : : : : : : : : : : : : : :	Drive end : 6312 C3 : V'Ring : 12000 h : 21 g : Mo		Non drive end 6212 C3 V'Ring 15000 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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			1/6	

TORQUE AND CURRENT VS SPEED CURVE

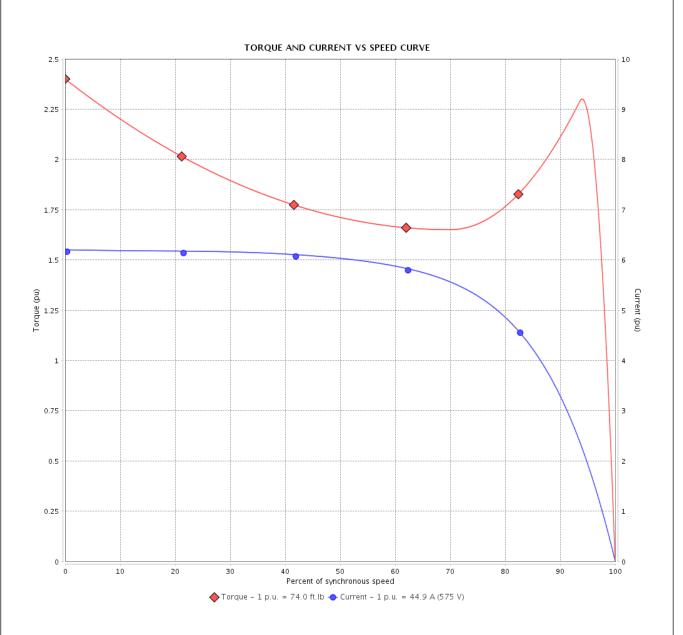
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 14385524

Catalog #: 05036ET3H326TS-W22G



Performance : 575 V 60 Hz 2P Rated current : 44.9 A Moment of inertia (J) : 5.75 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) Insulation class Rated torque : 74.0 ft.lb : F Service factor Locked rotor torque : 240 % : 1.25 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 3560 rpm Design : B

Locked rotor time : 36s (cold) 20s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			2/6	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

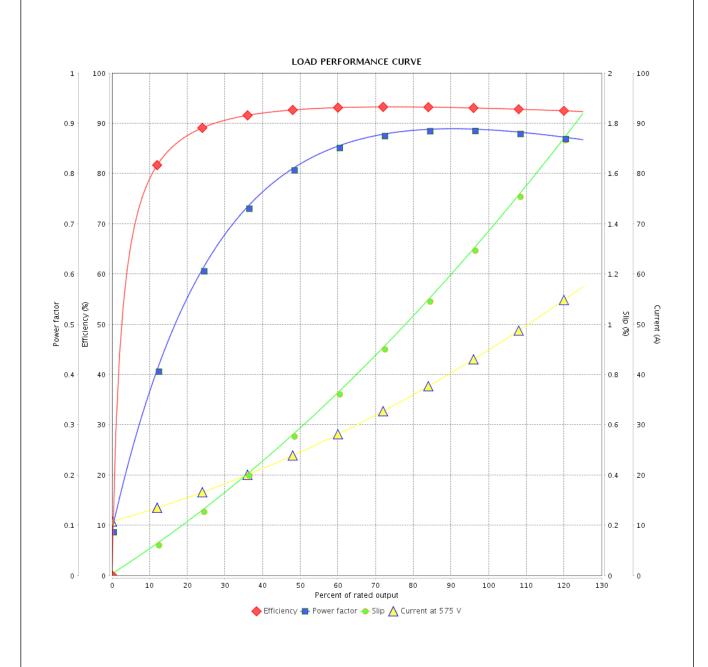


Customer

Product line : NEMA Premium Efficiency Three- Product code : 14385524

Phase

Catalog #: 05036ET3H326TS-W22G



Performance	. 5	75 V 60 Hz 2P			,	
Rated current	: 4	4.9 A	Moment of inertia (J)		: 5.75 sq.ft.lb	
LRC	: 6	.3	Duty cycle		: Cont.(S1)	
Rated torque	: 7	4.0 ft.lb	Insulation class		: F	
Locked rotor torqu	ie : 2	40 %	Service factor		: 1.25	
Breakdown torque	: 2	29 %	76 Temperature rise		: 80 K	
Rated speed	: 3	: 3560 rpm		Design		
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				3/6	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



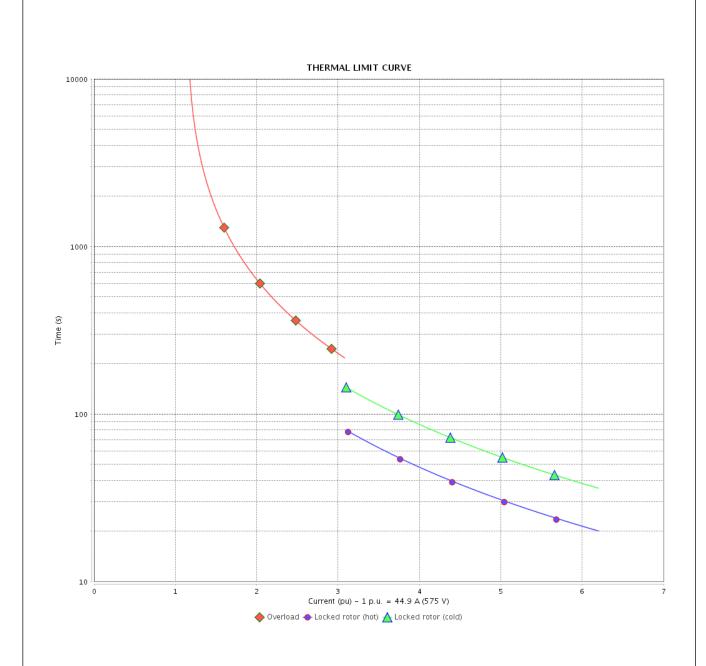
Customer	:					
Product line		NEMA Premium Efficienc	y Three-	Product code :	14385524	
	PI	hase		Catalog # :	05036ET3H32	26TS-W22G
Performance	: 57	75 V 60 Hz 2P				
Rated current	: 44 : 6.	4.9 A	Moment o	f inertia (J)	: 5.75 sq.ft.lb	
LRC Rated torque	: 74	4.0 ft.lb	Duty cycle Insulation	class	: Cont.(S1) : F	
Locked rotor torque		40 % 29 %	Service fa		: 1.25	
Breakdown torque Rated speed		29 % 560 rpm	Temperati Design	116 119 6	: 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
D-4-	40/04/0000	-			4.40	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.	Changes Summary Perform			Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			5/6	

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Revision

Page 6 / 6

Customer :

Checked by

Date

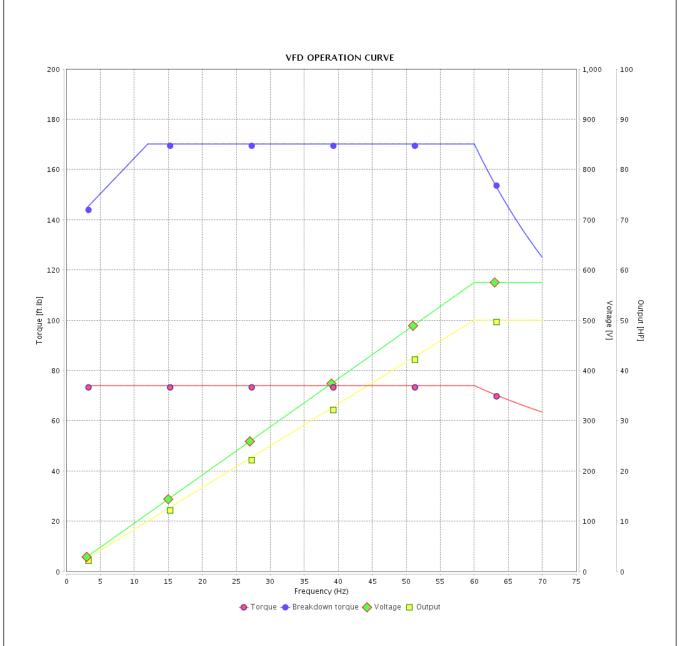
12/04/2022

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 14385524

Catalog #: 05036ET3H326TS-W22G



Performance : 575 V 60 Hz 2P Rated current : 44.9 A Moment of inertia (J) : 5.75 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.3 : 74.0 ft.lb Insulation class : F Rated torque Locked rotor torque : 240 % Service factor : 1.25 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 3560 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

