DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Standard Efficiency Three-Phase Product code: 12895587 Catalog #: .3336ES3H56C-S : 56C Locked rotor time Frame : 72s (cold) 40s (hot) Output : 0.33 HP (0.25 kW) Temperature rise : 80 K Poles : 2 Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 575 V Altitude : 1000 m.a.s.l. Protection degree Rated current : 0.482 A : IP55 Cooling method : IC411 - TEFC L. R. Amperes : 3.08 A **LRC** : 6.4x(Code L) Mounting : F-1 : Both (CW and CCW) No load current : 0.288 A Rotation¹ Rated speed : 3485 rpm Noise level² : 68.0 dB(A) Slip : 3.19 % Starting method : Direct On Line Rated torque : 0.497 ft.lb Approx. weight³ : 17.9 lb Locked rotor torque : 250 % Breakdown torque : 300 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0389 sq.ft.lb 25% 75% 100% Output 50% Foundation loads Efficiency (%) 44.9 48.0 57.5 62.0 Max. traction : 5 lb Power Factor 0.44 0.72 0.79 0.84 Max. compression : 23 lb Non drive end Drive end 6203 ZZ Bearing type 6202 ZZ Without Bearing Seal Sealing V'Ring Lubrication interval Lubricant amount Lubricant type 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

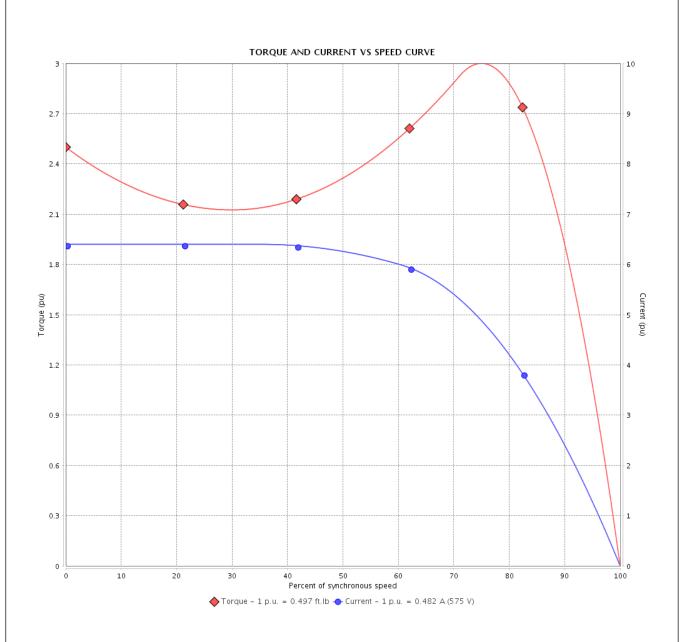
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12895587

Catalog #: .3336ES3H56C-S



: 300 %

: 3485 rpm

Service factor : 1.15 Temperature rise : 80 K

: 0.0389 sq.ft.lb

: Cont.(S1)

: F

Locked rotor time : 72s (cold) 40s (hot)

Breakdown torque

Rated speed

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LOAD PERFORMANCE CURVE

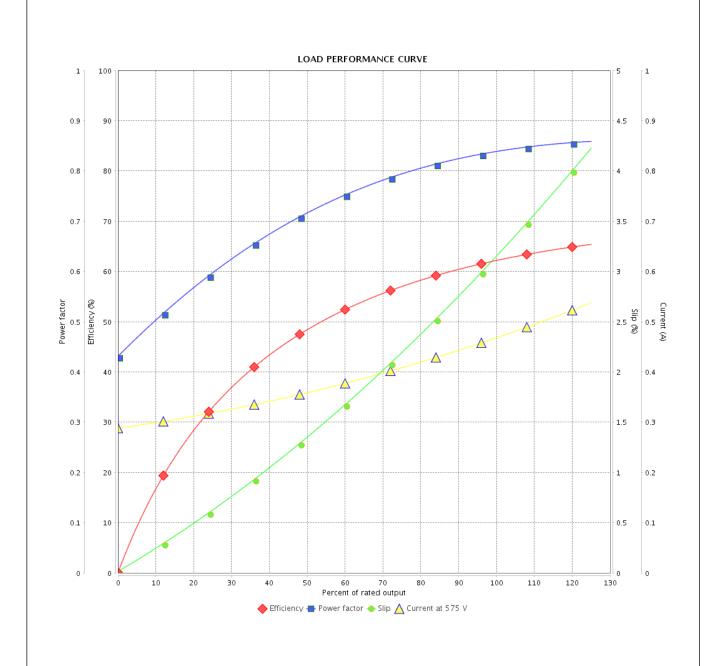
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : Standard Efficiency Three-Phase Product code : 12895587

Catalog #: .3336ES3H56C-S



Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		Moment of Duty cycle Insulation Service fa Temperat	class ector	: 0.0389 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K	
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THERMAL LIMIT CURVE

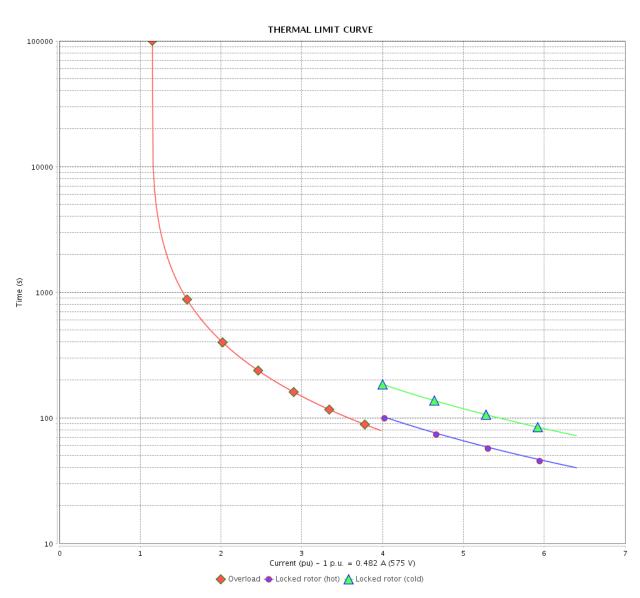
Three Phase Induction Motor - Squirrel Cage



Customer	
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Product line : Standard Efficiency Three-Phase Product code : 12895587

Catalog #: .3336ES3H56C-S



Performance : 575 V 60 Hz 2P : 0.482 A Moment of inertia (J) : 0.0389 sq.ft.lb Rated current **LRC** Duty cycle : Cont.(S1) : 6.4 : 0.497 ft.lb Insulation class Rated torque : F : 250 % Locked rotor torque Service factor : 1.15 : 300 % Breakdown torque Temperature rise : 80 K Rated speed : 3485 rpm Heating constant

 Cooling constant

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VFD OPERATION CURVE

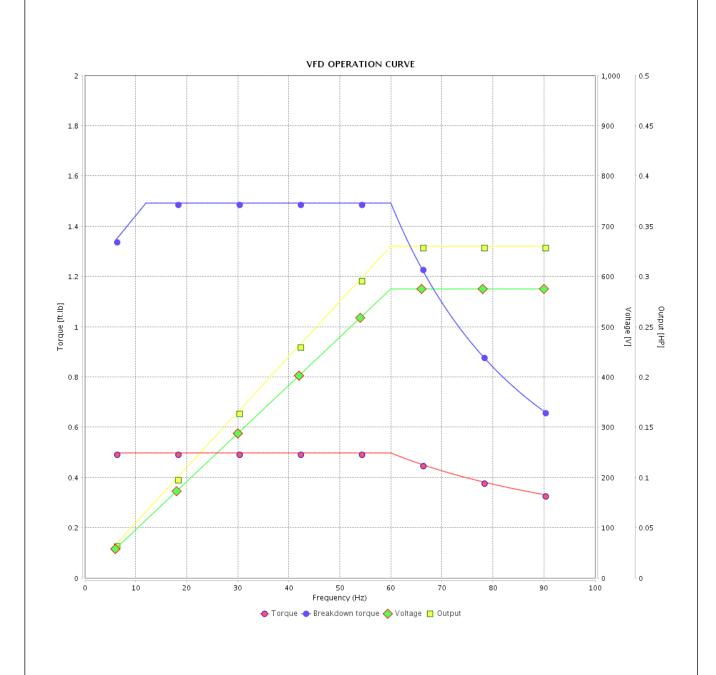
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : Standard Efficiency Three-Phase Product code : 12895587

Catalog #: .3336ES3H56C-S



Performance : 575 V 60 Hz 2P Rated current : 0.482 A Moment of inertia (J) : 0.0389 sq.ft.lb **LRC** : 6.4 Duty cycle : Cont.(S1) : 0.497 ft.lb Insulation class : F Rated torque Locked rotor torque : 250 % Service factor : 1.15 Breakdown torque : 300 % Temperature rise : 80 K

 Rated speed
 : 3485 rpm

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