

NOTES:

- 1. COUPLING GUARD NOT SHOWN IN TOP VIEW.
- 2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

MODELS: GB-425073-R0O-D, GB-425073-R1O-D

DIMENSIONS ARE II 07/19/2023 Released INCHES DRAWN 2/22/2023 PROJECT: E324 CHECKED BAM 07/19/2023 WAS: EX-E324-500



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DWG. NO. **3D** GPV-25073-7 SHEET 1 OF 1 REV. A.1

07/19/2023

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 NEMA Premium Efficiency Product code: 12052653 Three-Phase Catalog #: 45012ET3G586/7-W22 Frame : 586/7T Locked rotor time : 45s (cold) 25s (hot) Output : 450 HP (330 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 460 V : 1000 m.a.s.l. Altitude Rated current : 532 A Protection degree : IP55 L. R. Amperes : 3245 A Cooling method : IC411 - TEFC LRC : 6.1x(Code G) Mounting : F-1 No load current : 210 A Rotation¹ : Both (CW and CCW) Rated speed : 1190 rpm Noise level² : 77.0 dB(A) Starting method Slip : 0.83 % : Direct On Line Rated torque : 1960 ft.lb Approx. weight³ : 4654 lb Locked rotor torque : 210 % Breakdown torque : 210 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 368 sq.ft.lb 25% 75% 100% 50% Foundation loads Output Efficiency (%) 95.7 95.8 96.2 96.2 Max. traction : 7854 lb Power Factor 0.43 0.67 0.77 0.81 Max. compression : 12509 lb Drive end Non drive end Bearing type 6322 C3 6319 C3 Taconite Labyrinth Taconite Labyrinth Sealing 11000 h Lubrication interval 13000 h Lubricant amount 60 g 45 g 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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DATA SHEET

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Three Phase Induction Motor - Squirrel Cage						
Customer	:					
\		Space heater inform	mation			
Voltage: 200 - 24	10 V					
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



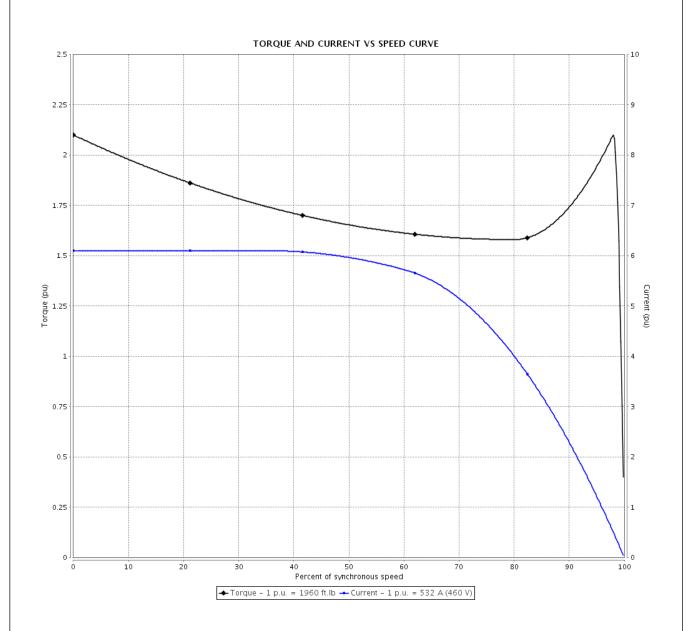
Customer

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 12052653

Catalog #: 45012ET3G586/7-W22



Performance : 460 V 60 Hz 6P Rated current : 532 A Moment of inertia (J) : 368 sq.ft.lb **LRC** : 6.1 Duty cycle : Cont.(S1) : 1960 ft.lb Insulation class : F Rated torque : 210 % Locked rotor torque Service factor : 1.15 : 210 % Breakdown torque Temperature rise : 80 K Rated speed : 1190 rpm

Locked rotor time : 45s (cold) 25s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



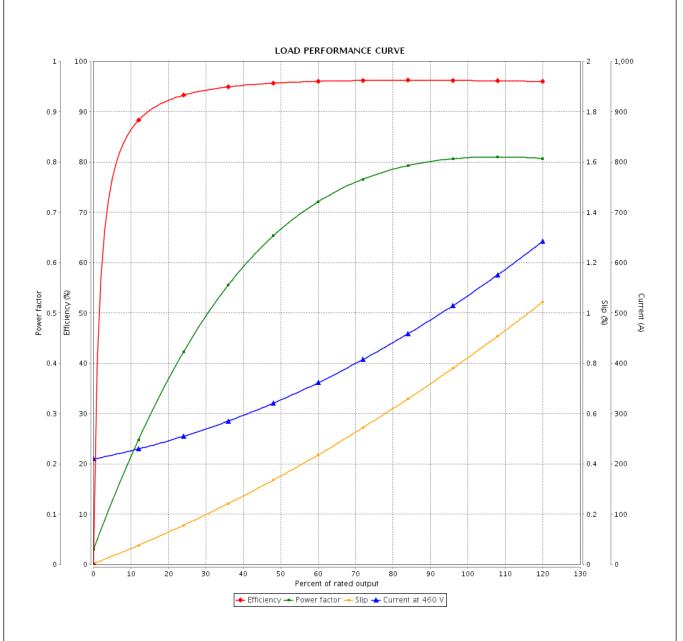
Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 12052653

Catalog #: 45012ET3G586/7-W22



Performance	:	460 V 60 Hz 6P				
Rated current LRC	:	532 A 6.1	Moment of inertia (J) Duty cycle		: 368 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torque		1960 ft.lb 210 %	Insulation class Service factor		: F : 1.15	
Breakdown torque : 210 % Rated speed : 1190 rpm		210 % 1190 rpm	Temperature rise		: 80 K	
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



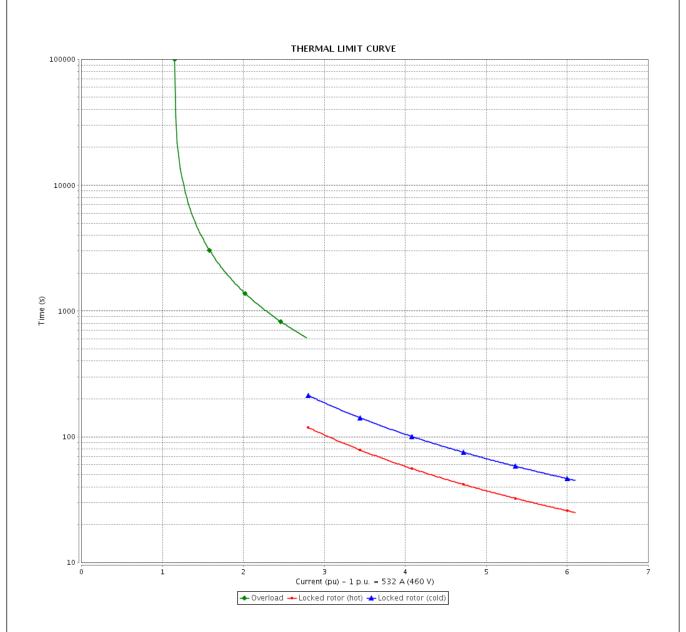
Customer	:					
Product line	: T	W22 NEMA Premium Effic hree-Phase	ciency	Product code :	12052653	
	·			Catalog # :	45012ET3G	586/7-W22
Performance Rated current LRC Rated torque Locked rotor toro Breakdown torque	: 5 : 6 : 1 que : 2	60 V 60 Hz 6P 32 A .1 960 ft.lb 10 % 10 %	Moment of Duty cycle Insulation Service fa	class actor	: 368 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K	
Rated speed	: 1	190 rpm	3,50.30			
Heating constan						
Cooling constant	t 	Ohannas Orresi		Dest	Ohl l	
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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



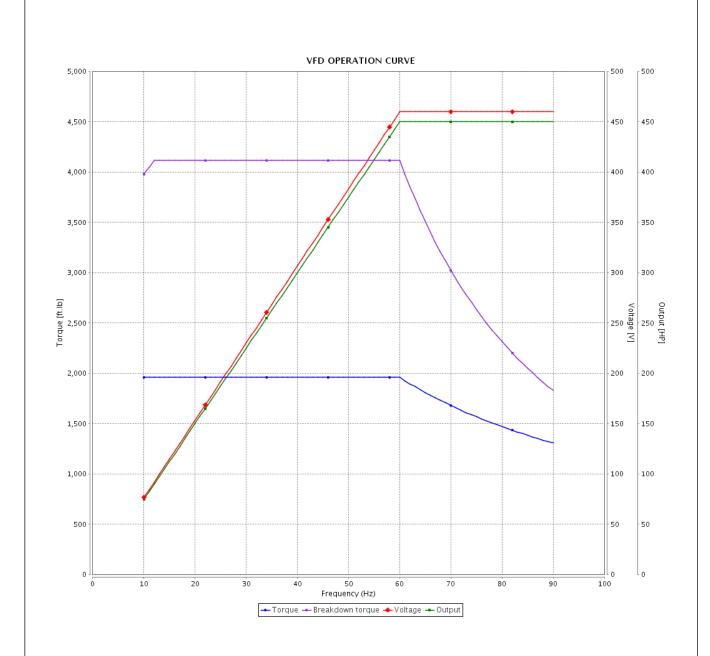
Customer

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 12052653

Catalog #: 45012ET3G586/7-W22



Performance	: 460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed		Moment of Duty cycle Insulation Service fa	class ctor	: 368 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K	
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