

STANDARD MODELS: GB-41022-G0O-M, GB-41022-G1O-M

1. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

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DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 NEMA Premium Efficiency Product code: 12076589 Three-Phase Catalog #: 07518ET3E365TC-W22 Frame : 364/5TC Locked rotor time : 25s (cold) 14s (hot) Output : 75 HP (55 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 230/460 V : 1000 m.a.s.l. Altitude Rated current : 174/87.2 A Protection degree : IP55 L. R. Amperes : 1116/558 A Cooling method : IC411 - TEFC LRC : 6.4x(Code G) Mounting : F-1 No load current : 66.0/33.0 A Rotation¹ : Both (CW and CCW) Rated speed : 1780 rpm Noise level² : 67.0 dB(A) Starting method Slip : 1.11 % : Direct On Line Rated torque : 30.6 kgfm Approx. weight³ : 430 kg Locked rotor torque : 240 % Breakdown torque : 260 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.9798 kgm² Design : B 25% 50% 75% 100% Output Foundation loads 0.000 95.4 : 776 kgf Efficiency (%) 94.5 95.0 Max. traction Power Factor 0.00 0.83 : 1206 kgf 0.68 0.78 Max. compression Non drive end Drive end Bearing type 6314 C3 6314 C3 Sealing WSeal WSeal Lubrication interval 12000 h 12000 h Lubricant amount 27 g 27 g

Mobil Polyrex EM

Notes

Lubricant type

USABLE @208V 186A SF 1.10 SFA 205A

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



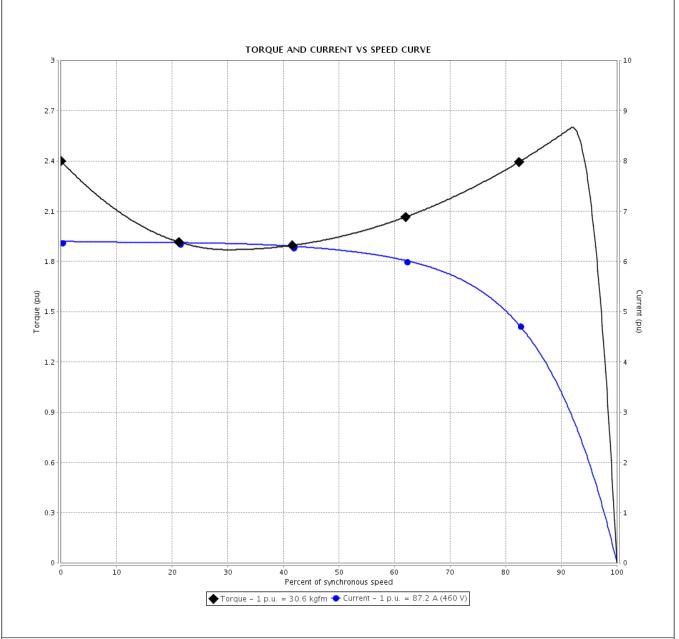
Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 12076589

Catalog #: 07518ET3E365TC-W22



: 230/460 V 60 Hz 4P Performance Rated current : 174/87.2 A Moment of inertia (J) : 0.9798 kgm² **LRC** : 6.4 Duty cycle : Cont.(S1) : 30.6 kgfm Insulation class Rated torque : F : 240 % Service factor Locked rotor torque : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B

Locked rotor time : 25s (cold) 14s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



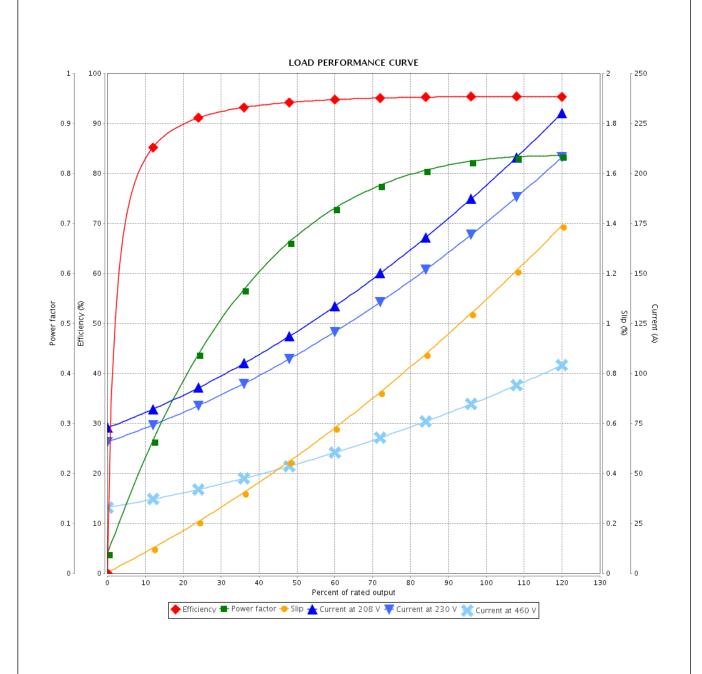
Customer

Product line : W22 NEMA Premium Efficiency Product code :

Three-Phase

Catalog #: 07518ET3E365TC-W22

12076589



Performance		: 230/460 V 60 Hz 4P						
Rated current		174/87.2 A	Moment o	Moment of inertia (J)		2		
LRC :		6.4	Duty cycle	Duty cycle				
Rated torque		30.6 kgfm	Insulation class		:F ` ´			
•		240 %	Service factor		: 1.25			
Breakdown torque	e : 2	260 %	Temperati	Temperature rise				
Rated speed	: '	1780 rpm	Design		: B			
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



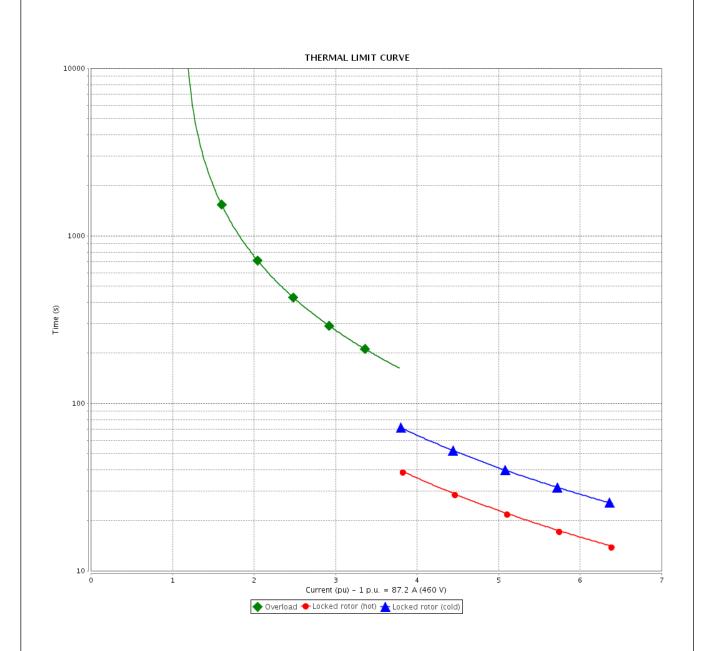
Customer	:				
Product line	: W22 NEMA Premium Effici	ency	Product code :	12076589	
	Three-Phase				CETO MOO
			Catalog # :	07518ET3E3	65 I C-W22
Performance	: 230/460 V 60 Hz 4P				
	: 174/87.2 A	Moment o	f inertia (J)	: 0.9798 kgm²	
LRC	: 6.4	Duty cycle	;	: Cont.(S1)	
Rated torque Locked rotor torque	: 30.6 kgfm : 240 %	Insulation Service fa		: F : 1.25	
	: 240 % : 260 %	Temperatu		: 1.25 : 80 K	
	: 1780 rpm	Design		: B	
Heating constant					
Cooling constant					
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Checked by				Page	Revision

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

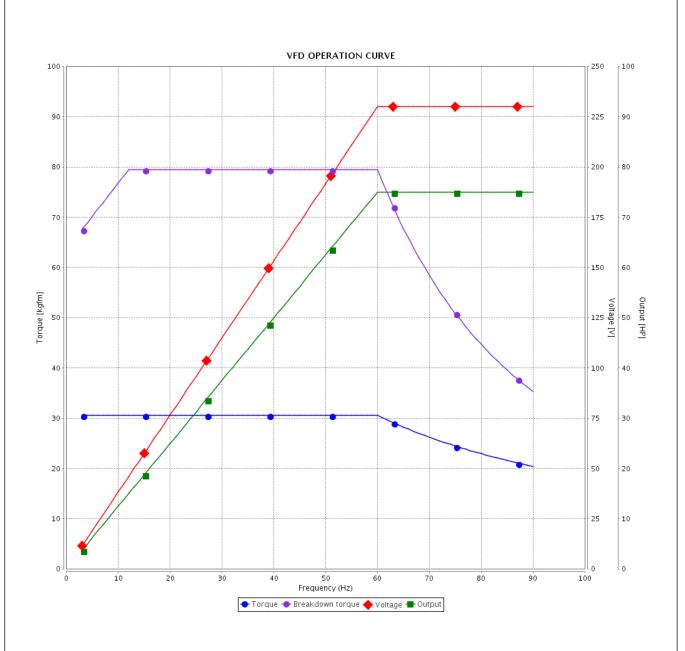
Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 12076589

Catalog #: 07518ET3E365TC-W22

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Performance	: 230/460 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 174/87.2 A : 6.4 : 30.6 kgfm : 240 % : 260 % : 1780 rpm	Moment of inertia (Duty cycle Insulation class Service factor Temperature rise Design	J)	: 0.9798 kgm ² : Cont.(S1) : F : 1.25 : 80 K : B	2		
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Performed by							
Checked by				Page	Revision		

06/08/2020

Date

