

NOTES:

1. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

STANDARD MODELS: GB-41007-G0O-M, GB-41007-G1O-M

STATE	Released	07/16/2021	— DIMENSIONS ARE IN —— INCHES	1	/	K	II	7	I	F
DRAWN	bmanternach	6/22/2021	PROJECT:E331	7	7	7	+		-	5
CHECKED	JAG	07/16/2021	WAS:		U	L	Ľ	II	۲	

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DWG. NO. SHEET 1 OF 1

GPV-1007-003-U

REV. A.0 07/16/2021

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 NEMA Premium Efficiency Product code: 12446945 Three-Phase Catalog #: 01518ET3E254TC-W22 Frame : 254/6TC Locked rotor time : 30s (cold) 17s (hot) Output : 15 HP (11 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 208-230/460 V : 1000 m.a.s.l. Altitude Rated current : 39.8-36.0/18.0 A Protection degree : IP55 L. R. Amperes : 255-230/115 A Cooling method : IC411 - TEFC LRC : 6.4x(Code G) Mounting : F-1 No load current : 11.7-13.6/6.80 A Rotation¹ : Both (CW and CCW) Rated speed : 1765 rpm Noise level² : 64.0 dB(A) Starting method Slip : 1.94 % : Direct On Line Rated torque : 44.0 ft.lb Approx. weight³ : 316 lb Locked rotor torque : 229 % Breakdown torque : 270 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 2.62 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads 90.2 : 489 lb Efficiency (%) 91.0 91.7 92.4 Max. traction Power Factor 0.44 0.78 0.83 : 805 lb 0.68 Max. compression Non drive end Drive end 6209 C3 Bearing type 6309 C3 V'Ring Sealing V'Ring Lubrication interval 20000 h 20000 h Lubricant amount 13 g 9 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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	23/08/2019			1/6	

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



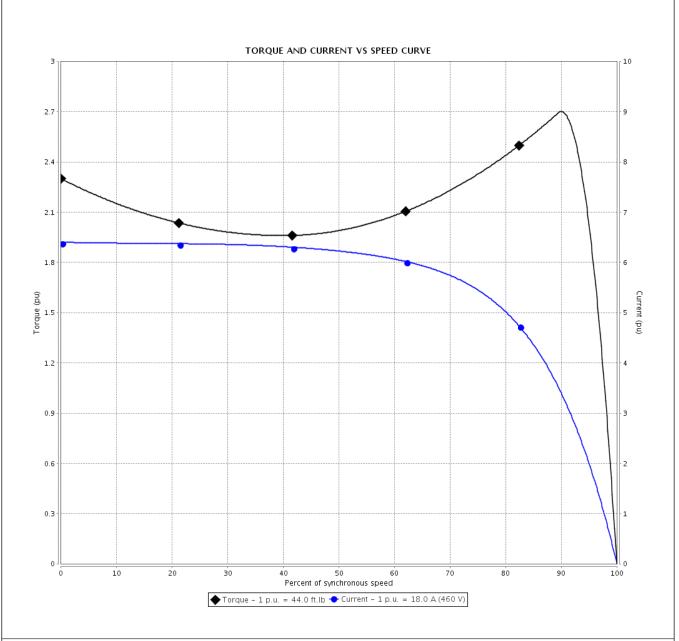
Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 12446945

Catalog #: 01518ET3E254TC-W22



Performance : 208-230/460 V 60 Hz 4P Rated current : 39.8-36.0/18.0 A Moment of inertia (J) : 2.62 sq.ft.lb **LRC** : 6.4 Duty cycle : Cont.(S1) : 44.0 ft.lb Insulation class Rated torque : F Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1765 rpm Design : B

Locked rotor time : 30s (cold) 17s (hot)

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	23/08/2019			2/6	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

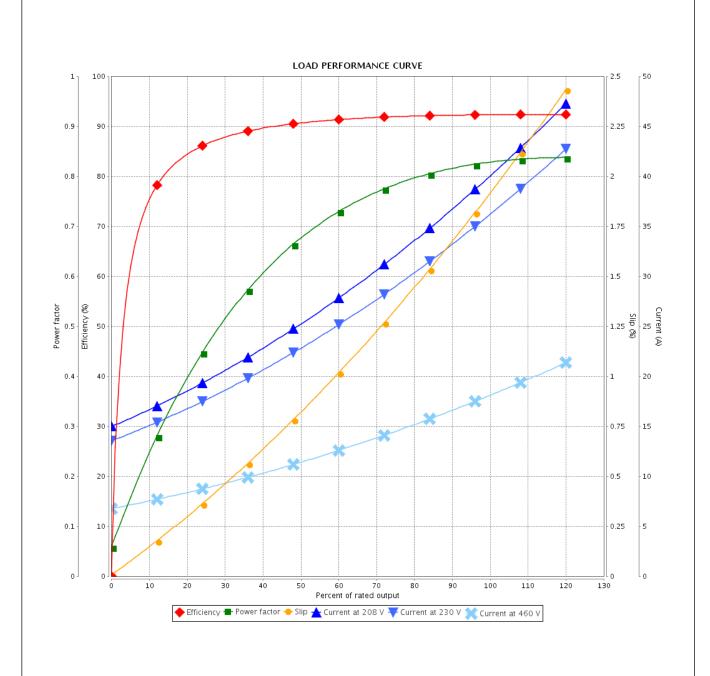


Customer

Product line : W22 NEMA Premium Efficiency Product code : 12446945

Three-Phase

Catalog #: 01518ET3E254TC-W22



Performance	: 20	08-230/460 V 60 Hz 4	Р			
Rated current : 3		9.8-36.0/18.0 A	Moment o	Moment of inertia (J)		
LRC : 6.4		4	Duty cycle	Duty cycle		
Rated torque	: 44	I.0 ft.lb	Insulation	Insulation class		
Locked rotor torqu	ie : 22	29 %	Service fa	Service factor		
· · · · · · · · · · · · · · · · · · ·		70 %	Temperati	Temperature rise		
Rated speed	: 17	765 rpm	Design		: B	
Rev.	,	Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	23/08/2019				3/6	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



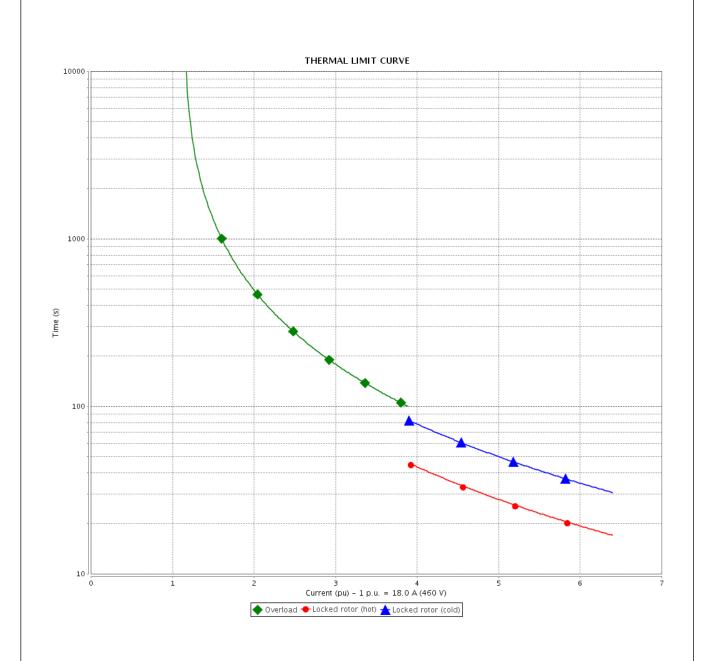
Customer	:				
Product line	: W22 NEMA Premium Effici	ency	Product code :	12446945	
	Three-Phase		Catalog # :	01518ET3E2	54TC-W22
				0.0.02.022	
Performance	: 208-230/460 V 60 Hz 4P	T			
Rated current LRC	: 39.8-36.0/18.0 A : 6.4	Moment o Duty cycle	f inertia (J)	: 2.62 sq.ft.lb : Cont.(S1)	
Rated torque	: 44.0 ft.lb	Insulation	class	: F	
Locked rotor torque	: 229 %	Service fa		: 1.25	
Breakdown torque Rated speed	: 270 % : 1765 rpm	Temperatu Design	ire rise	: 80 K : B	
Heating constant					
Cooling constant					
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	23/08/2019			5/6	

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

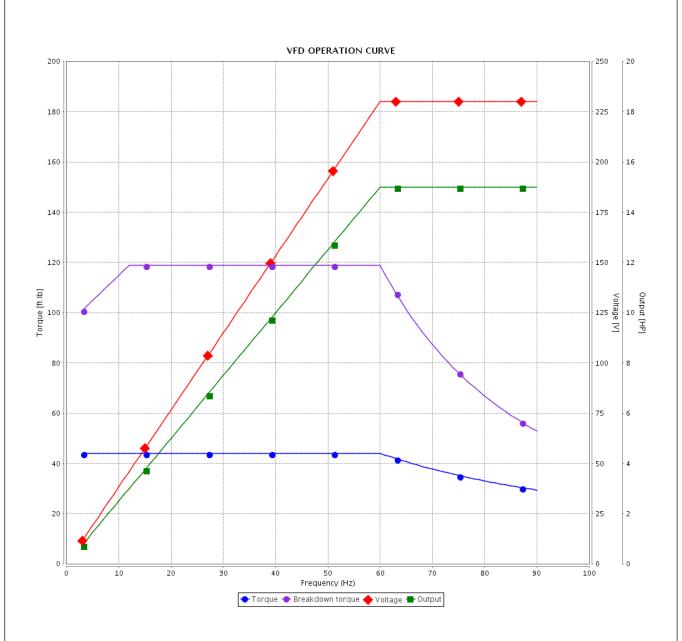
Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 12446945

Catalog #: 01518ET3E254TC-W22

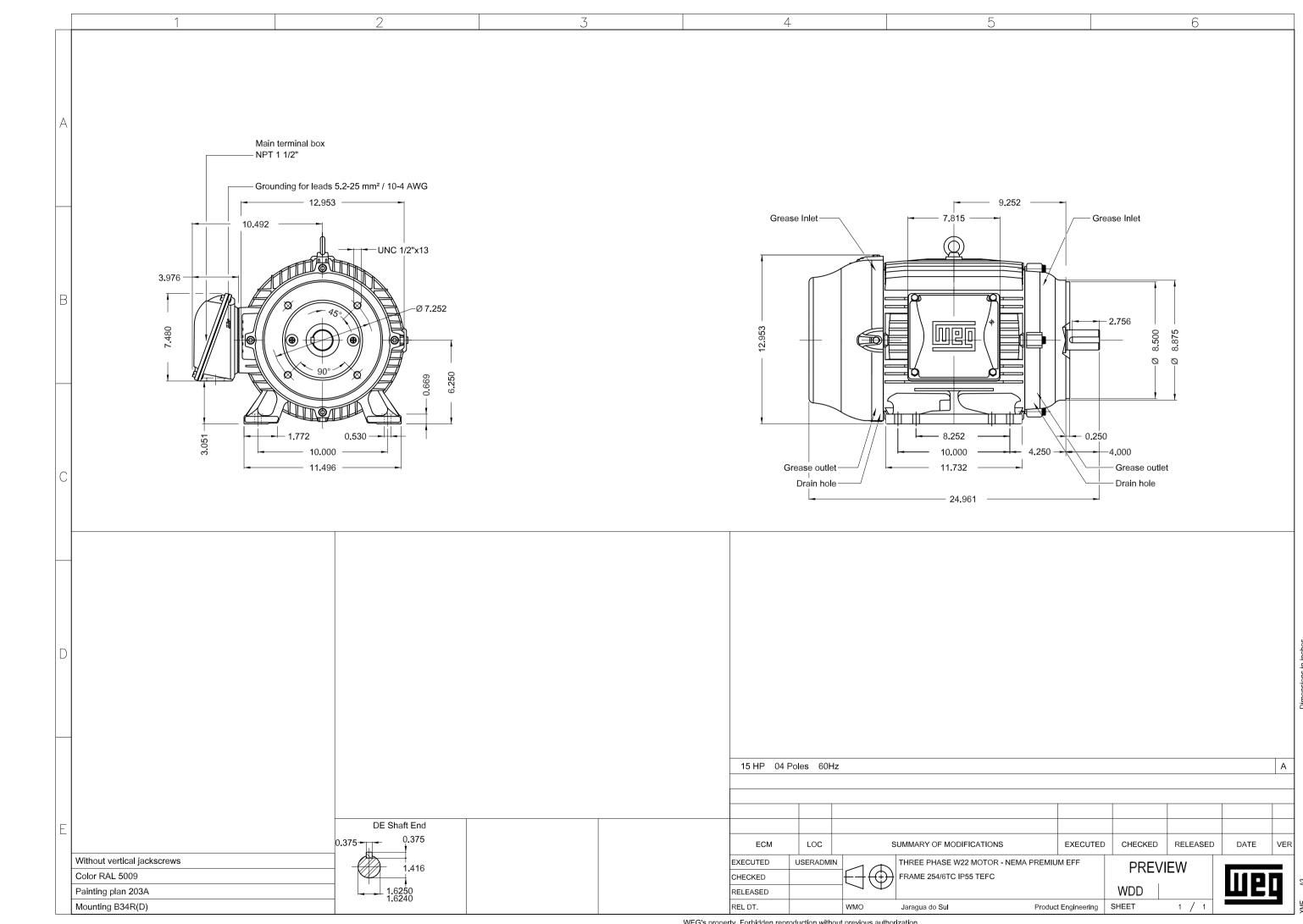
6/6

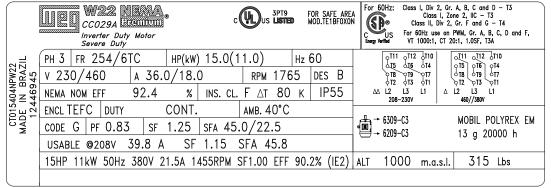


	.			·			
Performance	: 208-230/460 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 6.4 Duty cycle : 44.0 ft.lb Insulation cla : 229 % Service factor : 270 % Temperature		Insulation class Service factor Temperature rise				
Rated speed Rev.	: 1765 rpm Changes Summary	Design	Performed	: B Checked	Date		
				011001100			
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23/08/2019

Date





LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



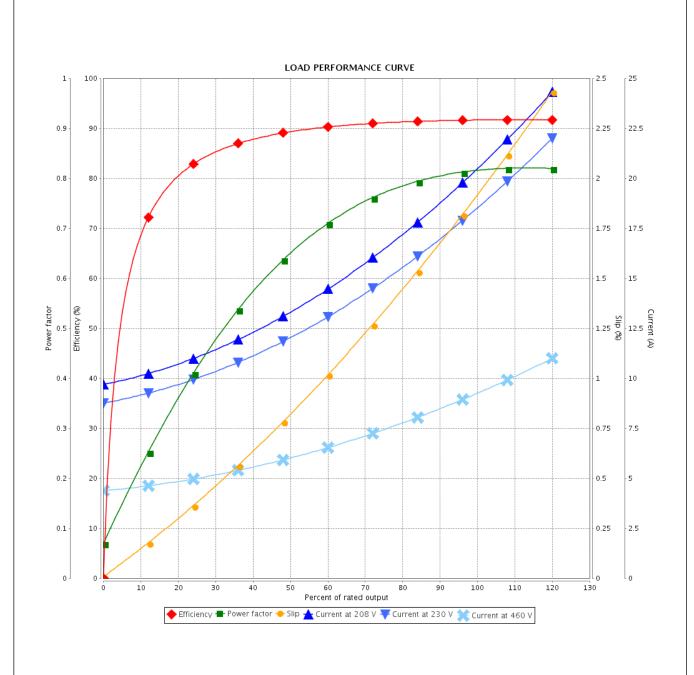
Customer

Product line : W22 NEMA Premium Efficiency Product code :

Three-Phase

Catalog # : 00718ET3E213TC-W22

12445969



Performance	: 2	08-230/460 V 60 Hz 4	Р			
Rated current	: 1	9.9-18.4/9.18 A	Moment o	Moment of inertia (J)		
LRC :		.1	Duty cycle	Duty cycle		
Rated torque : 2		2.0 ft.lb	Insulation	Insulation class		
•		20 %	Service fa	Service factor		
Breakdown torqu	e : 3	10 %	Temperature rise		: 80 K	
Rated speed	: 1	765 rpm	Design		: B	
Rev.		Changes Summary	<u> </u>	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	06/11/2019	7			3/6	