PRODUCT INFORMATION PACKET

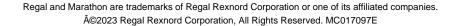


Model No: 254TTGN16034 Catalog No: C327B

Hazardous Duty® Explosion Proof Motor, 15 & 10 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,

1800 & 1500 RPM, 254TC Frame, EPFC









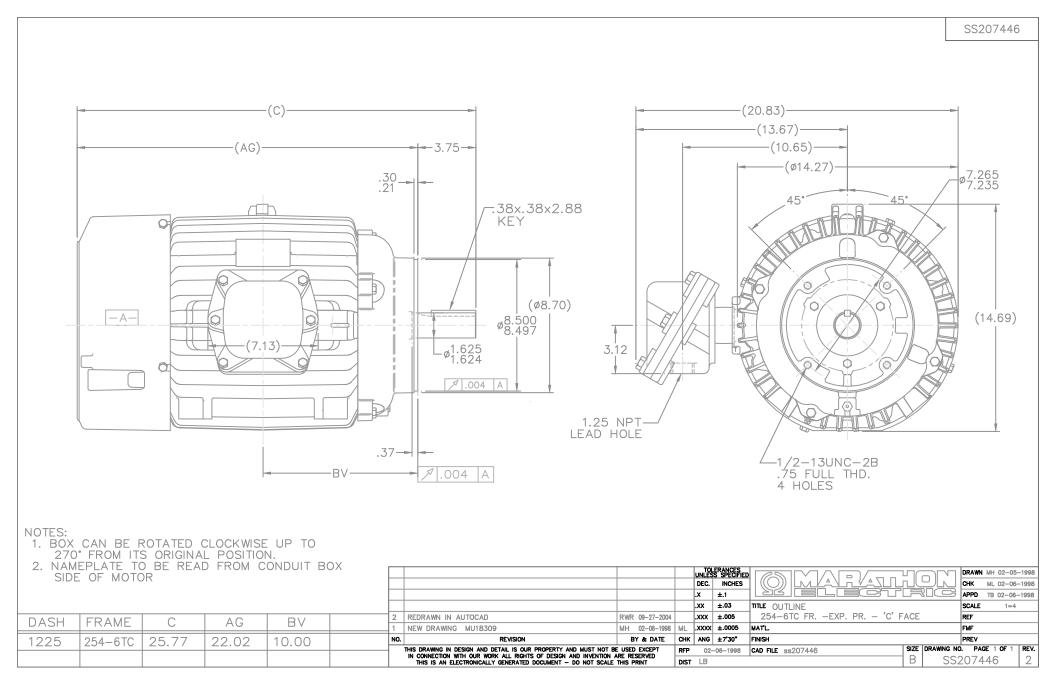
Nameplate Specifications

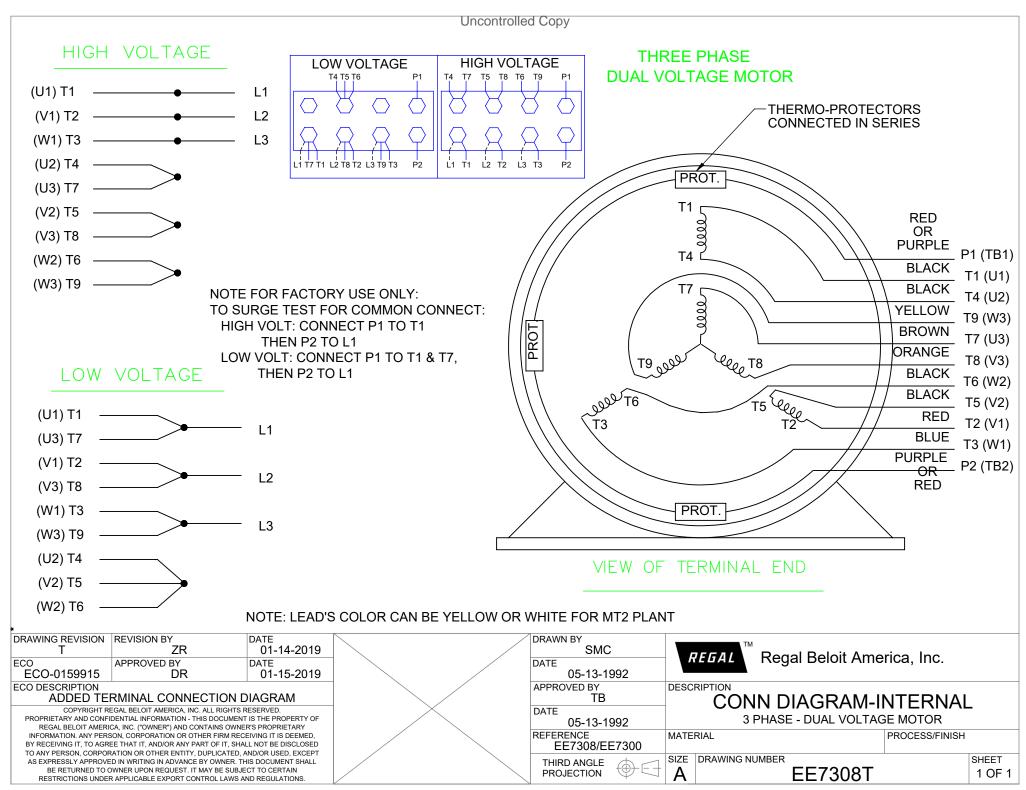
Phase	3	Output HP	15 & 10 Hp			
Output KW	11.2 & 7.5 kW	Voltage	230/460 & 190/380 V			
Speed	1775 & 1478 rpm	Service Factor	1.0 & 1.0			
Frame	254TC	Enclosure	Explosion Proof Fan cooled			
Thermal Protection	Thermostat	Efficiency	92.4 & 91.7 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	37.5/18.8 & 31/15.5 A	Power Factor	81			
Duty	Continuous	Insulation Class	F			
Design Code	В	KVA Code	G			
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6210			
UL	UL Listed And CSA Certified	CSA	Υ			
CE	N	IP Code	54			
Number of Speeds	1	Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3B			

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.649 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	25.77 in
Frame Length	12.25 in	Shaft Diameter	1.625 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Outline Drawing	B-SS207446-1225	Connection Drawing	A-EE7308T

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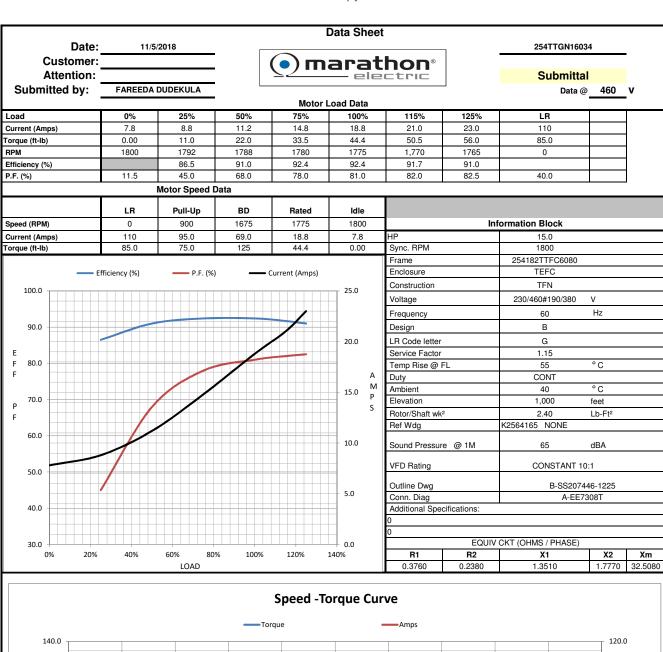


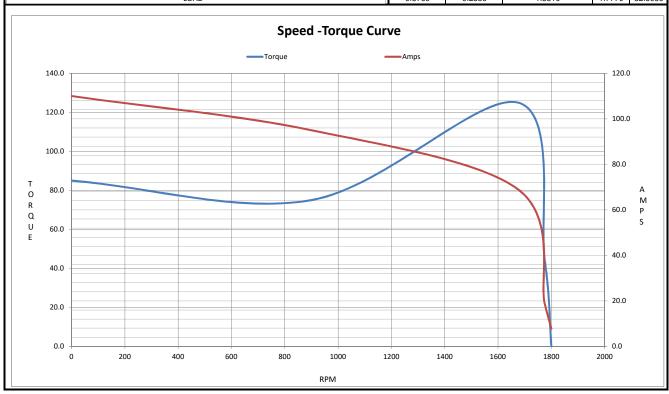


CUSTOM ORDER # CONN. D OUTLINE WINDING	: IAGRAM: :	A-EE7308 B-SS2074		NONE			eathorelect	TA SHE CUSTOR REFERENCE CUSTOR	ET MER P.O. #: E MODEL #: CAT #: MER PART #: MOUNTING:	PH. 715-675	I 54401-8003 -3311 DATA VOLTS:	460		
SPEED:				т	YPICAL	. мото	R PERFO	RMANC	E DATA					
НР	KW	SYN	C RPM	FL R	FL RPM FRAME		RAME	ENCLOSURE		TYPE	KVA CODE		DESIGN	
15	11.2	1800 1775		25	254TC		TEFC TFN		G		В			
PH	HZ	VO	OLTS	AMI	99	QTAE	RT TYPE		UTY	INSL	S.F.	AMB	ELEV.	
3	60/50		#190/380	37.5/18.88			INVERTER		ONT	F	1.15	40	3300	
	F.L. EFF	92.4	1	3/4 LD EFF	92.4		1/2 LD EFF	91.0	GTD EFF		ELECT. TY	/PF		
	F.L. PF	81.0		3/4 LD PF	78.0		1/2 LD LTT	68.0	91.7		SQ CAGE INV			
			1	· · · · · · · · · · · · · · · · · · ·		I		-						
F.L. T	ORQUE	LI	R AMPS @	460 V		L.R. TORQUE		B.D. TORQ		JE	F.L. RISE (°C)			
44.4	LB-FT		110		85.0	LB-FT	191%	125	LB-FT	282%	55			
	3 FT.	BO	WER	ROTOF	NIV2	MAYI	OAD WK ²	CAEEC	TALL TIME	CTAD	TC/HOLID	МОТО	D WCT	
65	dBA	74	dBA		LB-FT ²	110	LB-FT ²	SAFE STALL TIME 25 SEC.		STARTS/HOUR 2		MOTOR WGT 325 LB.		
				`			ı					,		
							NTAL INFO							
DE BRAG	CKET TYPE	_	RACKET /PE	MOUNT TYPE	_	TOR TATION	SEVERE HAZARDOUS DUTY LOCATION			DRIP COVER	SCREENS	PΔ	INT	
	FACE		NDARD	ROUND		ZONTAL	_		C&D CL II GF					
							•	•				•	·	
	RINGS	GRI	EASE	SHAFT	TYPE	SPECIAL DE		SPECIAL ODE		SHAFT	MATERIAL	FRAME N	//ATERIAL	
DE BALL	ODE BALL													
6309	6210	POLY	REX EM	Т	T NONE		ONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON		
	02.0			l		Į.								
THERMOSTATS PROTECTOR			WDG RTD's		BRG RTD's		THERMISTORS		CONTROL		SPACE HEATERS			
TSTA	TS (N/C)	N	OT	ION	ΝE	l N	ONE	N	ONE	Į F	ALSE	<u> </u>	NA .	
R1 (o	hms/ph)	R2 (of	nms/ph)	X1 (ohn	ns/ph)	X2 (o	hms/ph)	Xm (c	hms/ph)	VIBRAT	ION (in/sec)	FL	OAT	
0.376			238		1.351		1.777		32.508		0.150		ODE	
* N O T										ER TORQUE: EED RANGE:	CONSTANT 10: NONE	1		
E S									ENCODER: NONE	NONE				
*								NONE NONE PPR					PPR	
									BRAKE:					
PREPARED BY: FAREEDA DUDEKULA				NONE NONE										
DATE : 11/5/2018				FT-LB: NA VOLTAGE: NONE HZ:										

FORM: 3531 REV_4 2/27/06

UL: NONE





CERTIFICATE OF COMPLIANCE

Certificate Number
Report Reference

20220311- E12044 E12044-19950413

Issue Date

2022-MARCH-11

Issued to:

REGAL BELOIT AMERICA INC

1946 W COOK RD

FORT WAYNE IN 46818

Tradename: Marathon

This certificate confirms that representative samples of

MOTORS FOR USE IN HAZARDOUS LOCATIONS

Electric motors for use in hazardous locations; Class I, Groups C and D; Class II, Groups F and G; Inclusive of Model Number 254TTGN16034 (may have prefix and/or

suffix characters).

Have been investigated by UL in accordance with the

Standard(s) indicated on this Certificate.

Standard(s) for Safety:

UL 674 - Electric Motors and Generators for Use in Division

1 Hazardous (Classified) Locations,

CSA C22.2 No. 145, Electric Motors and Generators for

Use in Hazardous (Classified) Locations

Additional Information:

See the UL Online Certifications Directory at

https://iq.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Barrelle

Bruce Mahrenholz, Director North American Certification Program

UL LLC

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