## **PRODUCT INFORMATION PACKET**

Model No: 184TTGN16027 Catalog No: C324B Hazardous Duty® Explosion Proof Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 184TC Frame, EPFC



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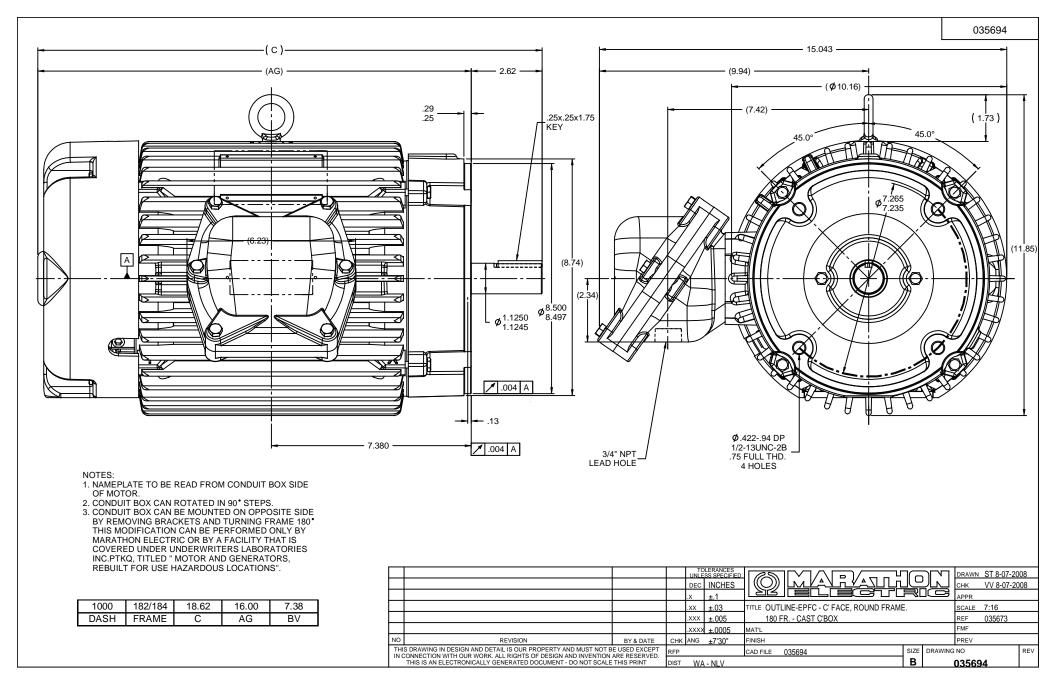
#### Nameplate Specifications

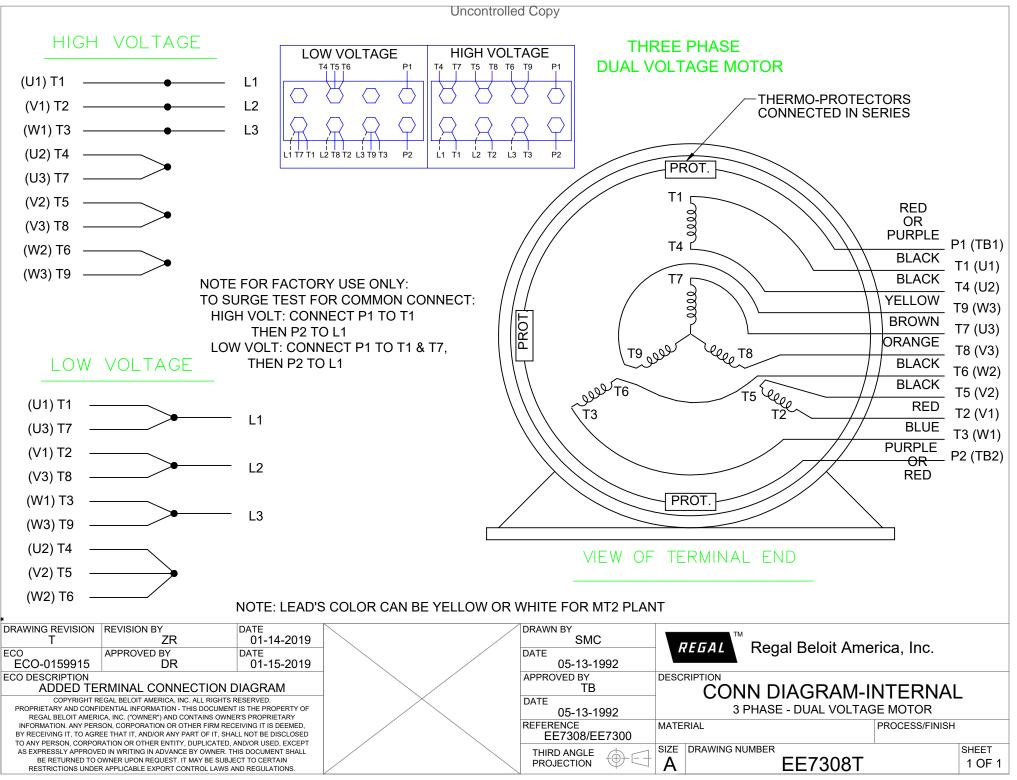
Phase	3	Output HP	5 & 3 Hp
Output KW	3.7 & 2.2 kW	Voltage	230/460 & 190/380 V
Speed	1755 & 1465 rpm	Service Factor	1.0 & 1.0
Frame	184TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	90.2 & 90.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	12.4/6.2 & 9.6/4.8 A	Power Factor	83.5
Duty	Continuous	Insulation Class	В
Design Code	В	KVA Code	L
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6206
UL	UL Listed; also, UL Certified for Canada	CSA	Ν
CE	Ν	IP Code	54
Number of Speeds	1	Hazardous Location	DIV 1 EXP PROOF CL I GR D CL II GR FG T3B

### **Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	2.62 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Overall Length	18.62 in
Frame Length	10.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.62 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	EE7308T	Outline Drawing	035694-1000

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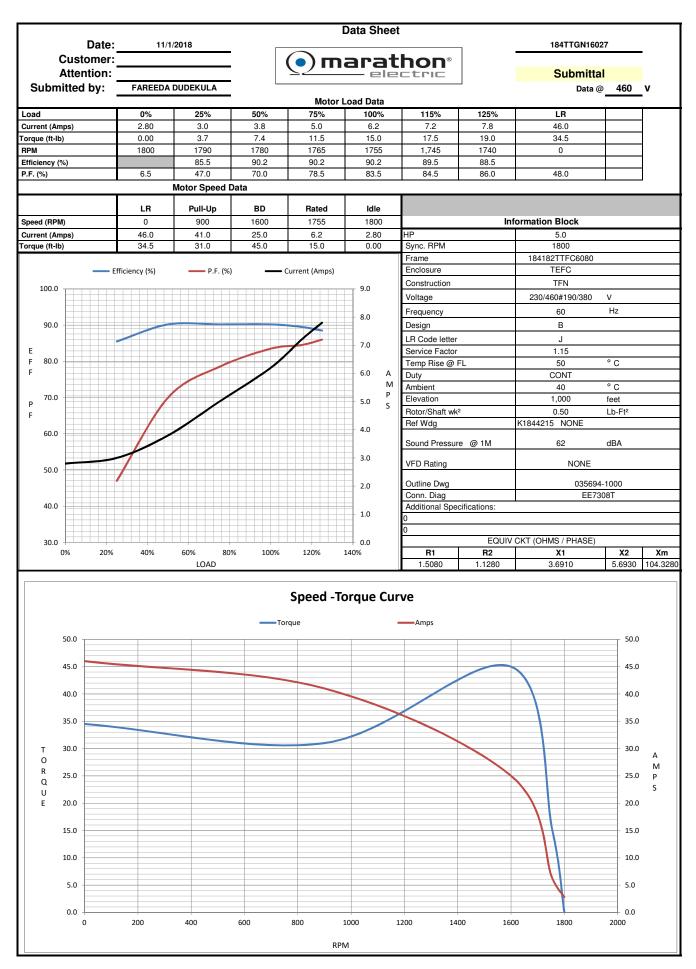


4 of 7

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() marathe							PH. 715-675	-3311					
											DATA VOLTS:	460	
					CEI	RTIFICA	TION DA	TA SHE	ET				
сизтом	ER:							CUSTO	OMER P.O. #:				
ORDER #							F	REFERENCE MODEL #:					-
CONN. DI		EE7308T	200					CAT #: C324B CUSTOMER PART #:					
OUTLINE: WINDING:		035694-10	K1844215	NONE	1			C0510	MOUNTING:	F1 ONLY			_
SPEED:													
	1			<u>'T</u>	YPICAL		R PERFO	RMANC	E DATA	1	1		
HP	ĸw	SYN	NC RPM FL RPM FRAME		AME	ENCLOSURE		TYPE	KVA CO	KVA CODE DESIGN			
5	3.7	1	800	175	5	18	34TC	TEFC		TFN	J		В
	-			I						I	-		
<b>РН</b> 3	HZ 60/50		DLTS )#190/380	AMF 12.4/6.28			RT TYPE S THE LINE		ONT	INSL B	<b>S.F.</b> 1.15	40	ELEV. 3300
3	60/30	230/400	J#190/360	12.4/0.20	9.0/4.0	ACHUS			JOINT	В	1.15	40	3300
	F.L. EFF	90.2		3/4 LD EFF	90.2		1/2 LD EFF	90.2	GTD EFF		ELECT. TY		
	F.L. PF	83.5		3/4 LD PF	78.5		1/2 LD PF	70.0	89.5		SQ CAGE INE	RUN	
F.L. T	ORQUE	L	R AMPS @	460 V		L.R. TORQUE B.D. TOR		B.D. TORQU	UE F.L. RISE (° C)				
15.0	LB-FT		46.0		34.5	LB-FT	230%	45.0	LB-FT	300%	50		
@:	3 FT.	PO	WER	ROTOR	WK <sup>2</sup>	MAX. L	OAD WK <sup>2</sup>	SAFE STALL TIME STARTS/HOUR MO		мото	R WGT		
62	dBA	71	dBA	0.50	LB-FT <sup>2</sup>	50	LB-FT <sup>2</sup>	25	SEC.		2	130	LB.
					*** SU	IPPI FMF	NTAL INFO	BMATIC	)N ***				
			RACKET	MOUNT	MO	TOR	SEVERE	HAZARDOUS DRIP					
	DE BRACKET TYPE TYPE TYPE C-FACE STANDARD ROUND		TYPE ROUND	ORIENTATION DUTY HORIZONTAL NO		LOCATION DOF CL I GR D CL II GR		NO NO	SCREENS NONE	PAINT BLUE (ENAMEL)			
01	AUL	UTA	UDAILD	HOUND	TIOTIZ		NO			NO	NONE	DLOL (L	
	RINGS	GR	EASE	SHAFT	T TYPE SPECIAL DE		CIAL DE	SPECIAL ODE		SHAFT	MATERIAL	FRAME N	IATERIAL
DE BALL	ODE BALL												
6207	6206	POLY	REX EM	Т		N	ONE	Ν	IONE	1045 HOT ROLLED (C-204) CAST		RON	
				1						1		SP	ACE
THERMOSTATS		PROT	ROTECTORS WDG RTD's		BRG RTD's		THERMISTORS		CONTROL		HEATERS		
TSTATS (N/C)		N	IOT	NONE		NONE		NONE		FALSE		NA	
R1 (ol	R1 (ohms/ph) R2 (ohms/ph) X1 (ohms/p		ns/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT				
1.508 1.128 3.691			693 104.328		0.150		ODE						
*													
N									INVERTI	ER TORQUE:	NONE		
						INV. HP SPEED RANGE: NONE							
E									ENCODER:	NONE			
s					NONE								
*					NONE NONE PPR								
PREPARED BY: FAREEDA DUDEKULA				BRAKE: NONE NONE NONE									
DATE: 11/1/2018					FT-LB: NA								
					VOLTAGE: NONE HZ:								
FORM: 3531 REV_4 2/27/06						UL: NONE							

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Certificate Number Report Reference Issue Date	20220221- E12044 E12044-20090313 2022-FEBRUARY-21
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 184TTGN16027 (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
Additional Information:	Use in Hazardous (Classified) Locations See the UL Online Certifications Directory at <u>https://iq.ulprospector.com</u> for additional information.

CERTIFICATE OF COMPLIANCE

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.

Barnally

Bruce Mahrenholz, Director North American Certification Program

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