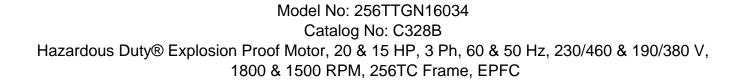
## **PRODUCT INFORMATION PACKET**





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marathon®



Product Information Packet: Model No: 256TTGN16034, Catalog No:C328B Hazardous Duty® Explosion Proof Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 256TC Frame, EPFC

# marathon®

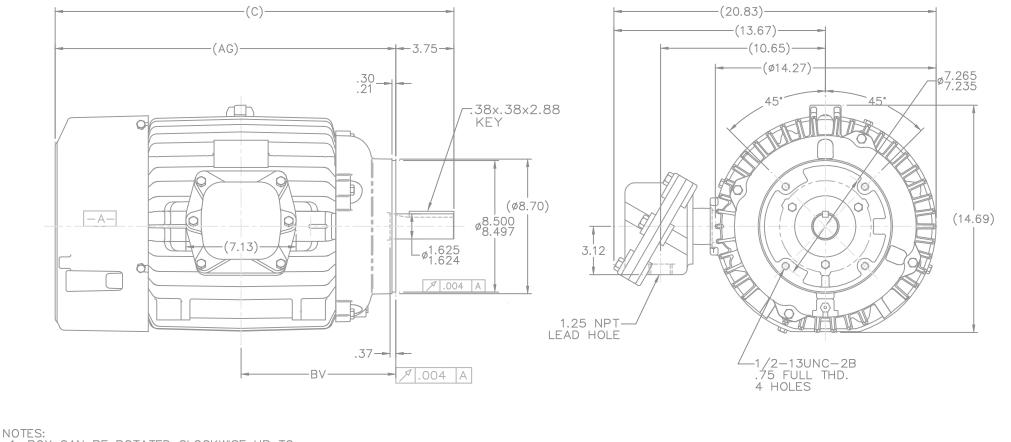
## Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V
Speed	1775 & 1470 rpm	Service Factor	1.0 & 1.0
Frame	256TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	93 & 92.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	48/24.1 & 44/22 A	Power Factor	84
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	Y
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B

## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.474 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 2:1		
Connection Drawing	A-EE7308T	Outline Drawing	B-SS207446-1225

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- BOX CAN BE ROTATED CLOCKWISE UP TO 270° FROM ITS ORIGINAL POSITION.
  NAMEPLATE TO BE READ FROM CONDUIT I SIDE OF MOTOR

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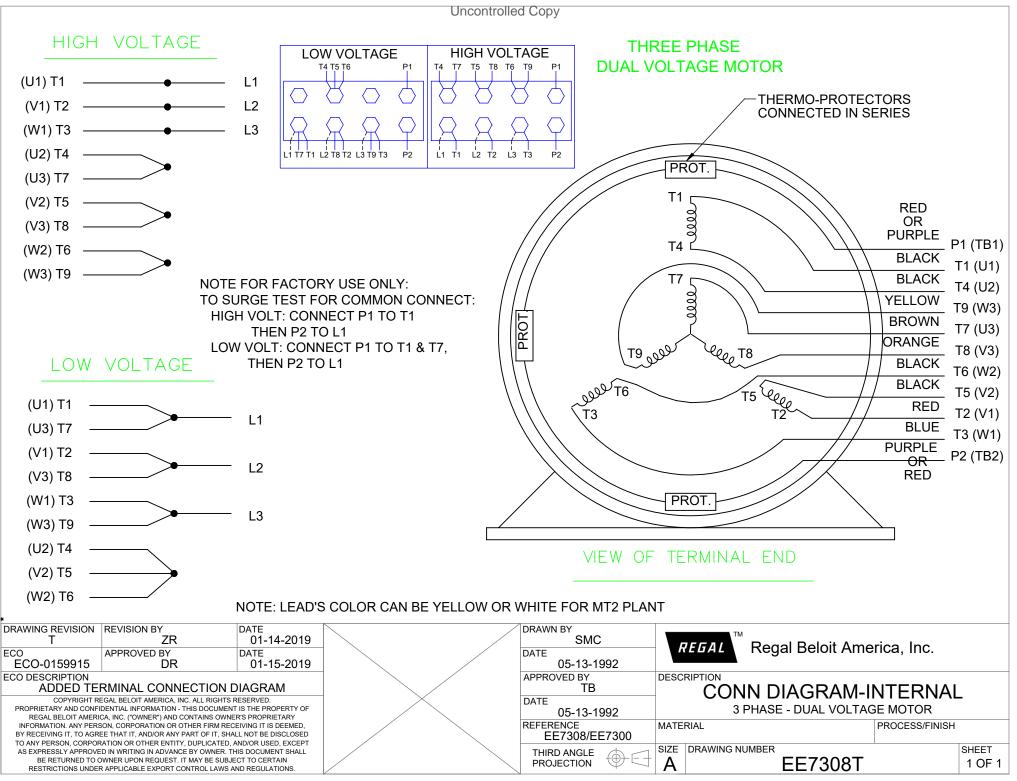
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	~						UNLES	ERANCES S SPECIFIED		DRAWN	MH 02-05-	-1998
							DEC.			СНК	ML 02-06-	-1998
							.x	±.1		APPD	TB 02-06-	-1998
							.xx	±.03	TITLE OUTLINE	SCALE	1=4	
BV		2	REDRAWN IN AUTOCAD	RWR 09-	-27-2004		.xxx	±.005	254–6TC FR. –EXP. PR. – 'C' FACE	REF		
DV		1	NEW DRAWING MU18309	MH 02-	-06-1998	ML	.xxxx	±.0005	MAT'L	FMF		
10.00		NO.	REVISION	BY &	DATE	СНК	ANG	±7'30"	FINISH	PREV		
10.00			THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BI			RFP	02-	-06-1998	CAD FILE ss207446 SIZE DRAWING NO	0. PA	GE 1 OF 1	REV.
		IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			DIST LB			B SS:	2074	146	2	

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FRAME

254-6TC



5 of 9

#### **CERTIFICATION DATA SHEET**

Model#:	256TTGN16034 AA	WINDING#:	K2564164 NONE 6
CONN. DIAGRAM:	A-EE7308T	ASSEMBLY:	F1 ONLY
OUTLINE:	B-SS207446-1225		

#### TYPICAL MOTOR PERFORMANCE DATA

HP	ĸw	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&15	14.9&11.2	1800	1775&1475	256TC	EPFC	G	В

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/	48/24.1&44/22	LINE OR	CONTINUOU	F3	1.0/1.0	40	3300
		380		INVERTER	S				

FULL LOAD EFF: 93&92.5	3/4 LOAD EFF: 93.6	1/2 LOAD EFF: 93	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84&83.5	3/4 LOAD PF: 81	1/2 LOAD PF: 72	92.4	SQ CAGE INV RATED	17 / 8.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59.2 LB-FT	276 / 138	105 LB-FT 177	146 LB-FT 247	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	3.2 LB-FT^2	125 LB-FT^2	25 SEC.	2	400 LBS.

### \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	EXP PROOF CL	FALSE	NONE	BLUE
					I GR C&D CL II			(ENAMEL)
					GR F&G T3B			

BEAF	BEARINGS		SHAFT TYPE	SHAFT TYPE SPECIAL DE		SHAFT	FRAME	
DE	OPE					MATERIAL	MATERIAL	
BALL	BALL	POLYREX EM	т	NONE	NONE	1045 HOT	CAST IRON	
6309	6210					ROLLED (C-204)		

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	PROTECTORS	OTECTORS WDG RTDs BRG RTDs				
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: NONE			
ENCODER: NONE NONE NONE NONE NONE PPR			
BRAKE: NONE NONE P/N NC NONE NONE	NONE DNE		
NONE FT-LB	NONE V	NONE Hz	

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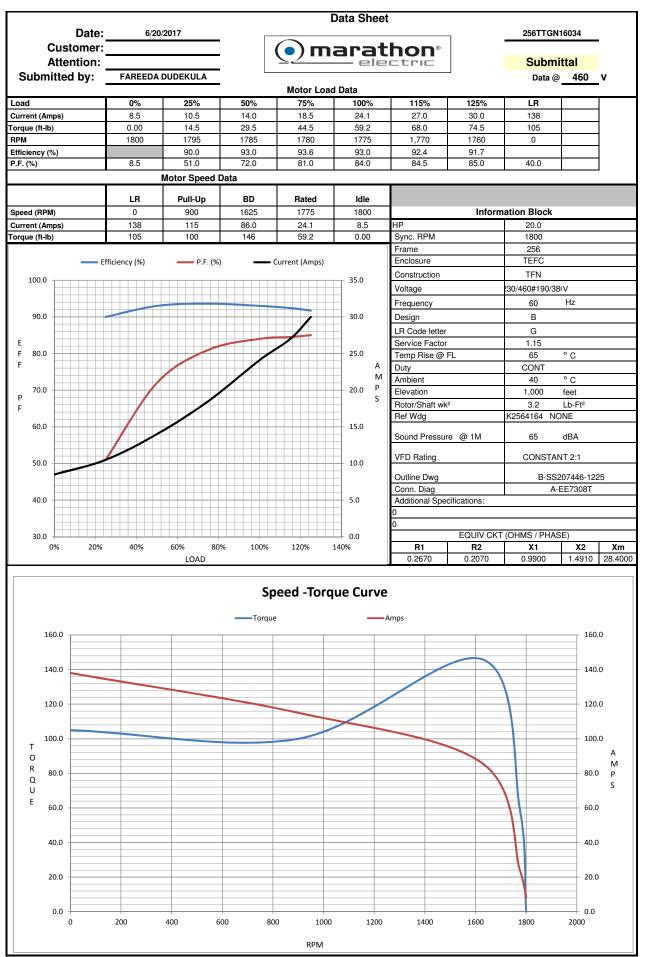
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Certificate Number Report Reference Issue Date	20220314- E12044 E12044-19950413 2022-MARCH-14
U U Issued to:	REGAL BELOIT AMERICA INC 1946 W COOK RD FORT WAYNE IN 46818 Tradename: Marathon
This certificate confirms that representative samples of	MOTORS 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 256TTGN16034 (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.

Barnelly

Bruce Mahrenholz, Director North American Certification Program

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