PRODUCT INFORMATION PACKET

Model No: 256TTGN16004 Catalog No: C308B Hazardous Duty® Explosion Proof Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 256TC Frame, EPFC



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Motors



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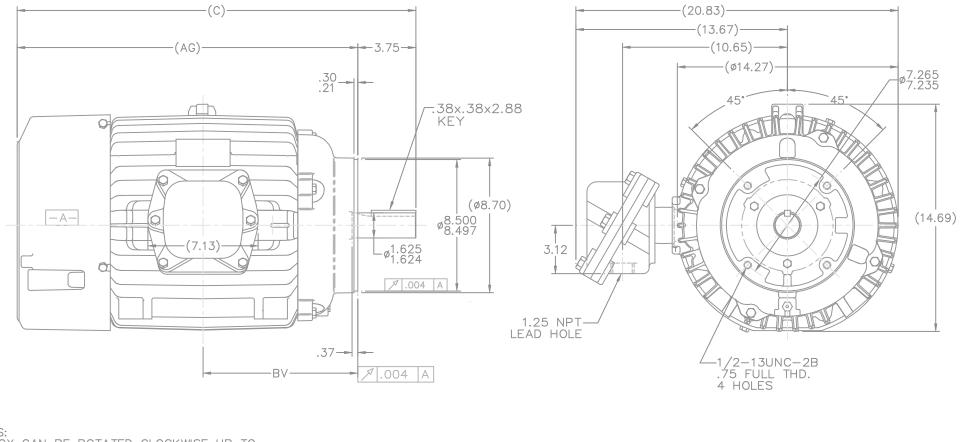
Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp			
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V			
Speed	3537 & 2955 rpm	Service Factor	1.15 & 1.15			
Frame	256TC	Enclosure	Explosion Proof Fan cooled			
Thermal Protection	Thermostat	Efficiency	92.4 & 92.4 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	47/23.4 & 42/21 A	Power Factor	86			
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	2	Rotation	Reversible
Resistance Main	.394 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	12.26 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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NOTES:

FRAME

254-6TC

1. BOX CAN BE ROTATED CLOCKWISE UP TO 270° FROM ITS ORIGINAL POSITION. 2. NAMEPLATE TO BE READ FROM CONDUIT 1

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Ζ.	NAME	РLА		10	BL	READ	FRUM	CONDULT	BUX
	SIDE	OF	МО	TOF	2				

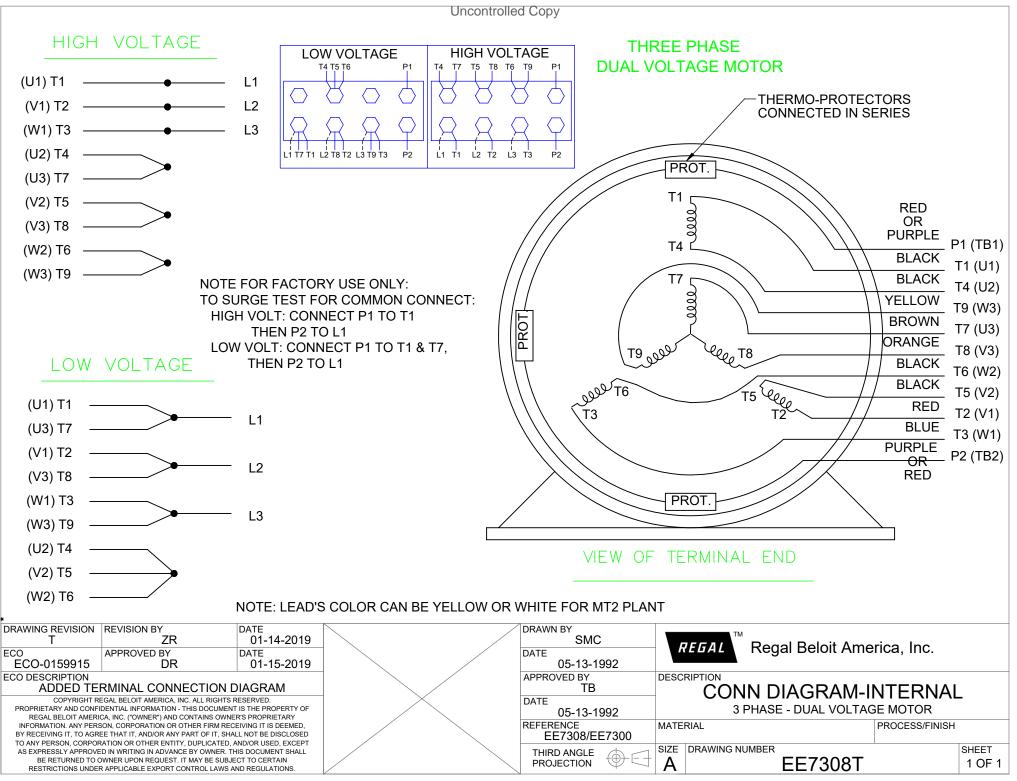
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			IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION A THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE			DIS	T LE			B SS:	207	446	2
			THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE			RF	P C	2-06-19	98	CAD FILE ss207446 SIZE DRAWING N). P/	GE 1 OF 1	REV.
10.00		NO.	REVISION	BY	& DATE	СН	K AN	3 ±7'30)"	FINISH	PREV		
		1	NEW DRAWING MU18309	MH	02-06-19	98 ML	xx)	X ±.00)5	MAT'L.	FMF		
BV		2	REDRAWN IN AUTOCAD	RWR	09-27-20	04	.xx	±.00	5	254–6TC FR. –EXP. PR. – 'C' FACE	REF		
							.xx	±.03		TILE OUTLINE	SCALE	1=	4
							.x	±.1			APPD	TB 02-0	6-1998
							DEC	. INCI	IES		СНК	ML 02-0	6-1998
JONDOTT BOX								TOLERANCES UNLESS SPECIFIED				DRAWN MH 02-05-1998	
ONDUIT BOX													

DASH

1225

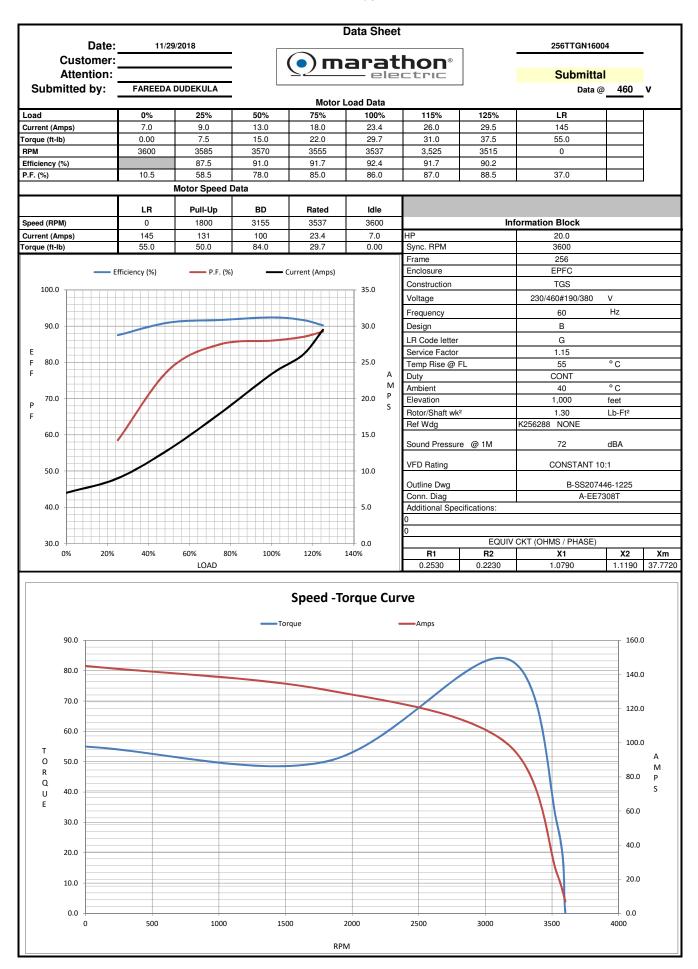


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					-					P.O. BOX 80				
					(<u>)</u> [паг	elect	ON ®		WAUSAU, W PH. 715-675				
											DATA VOLTS:	460		
					CEI	RTIFICA	TION DA	TA SHE	ET					
CUSTOM	ER:							CUSTO	OMER P.O. #:					
ORDER #:		A-EE7308T	-				F	REFERENCE MODEL #: 256TTGN16004						
CONN. DI		B-SS20744						CUSTON	CAT #: //ER PART #:		308B			
WINDING:			K256288	NONE	10				MOUNTING:	F1 ONLY			_	
SPEED:				т	γριςαι	мото	R PERFO	RMANC						
НР	кw	SYNC	RDM	FL R						ТҮРЕ	KVA CO	DE	DESIGN	
20	14.9	36		353			56TC		EFC	TFN	G		B	
20	14.5	50	00	000	1	2,	5010		LIU		ŭ			
PH	HZ	VOI	LTS	AMF	rs	STAF	RT TYPE	0	UTY	INSL	S.F.	AMB	ELEV.	
3	60/50	230/460#	#190/380	47/23.48	42/21	LINE OR	INVERTER	C	ONT	F	1.15	40	3300	
	F.L. EFF	92.4		3/4 LD EFF	91.7	1	1/2 LD EFF	91.0	GTD EFF		ELECT. TY	'PE		
	F.L. PF	86.0		3/4 LD PF	85.0		1/2 LD PF	78.0	91.7		SQ CAGE INV			
	00005			400.14								(° o)	1	
F.L. 10 29.7	ORQUE	LR	AMPS @ 145	460 V	55.0	L.R. TORQUE LB-FT 185%		B.D. TORQU 84.0 LB-FT		283%	F.L. RISE 55	(°C)		
2017			110		00.0		10070	0.110		20070				
-	3 FT.	POV		ROTOR			OAD WK ²	SAFE STALL TIME		STARTS/HOUR			RWGT	
72	dBA	81	dBA	1.30	LB-FT ²	26	LB-FT ²	20	SEC.		2	370	LB.	
							NTAL INFO	-						
DE BRAC	KET TYPE	ODE BRACKET TYPE				TOR SEVERE		HAZARDOUS LOCATION		DRIP COVER	SCREENS	SCREENS PAINT		
	ACE	STAN		ROUND		-		DF CL I GR C&D CL II GF		F NO NONE		BLUE (ENAMEL)		
DEA	RINGS	1		1		1		1		1		1		
DE	ODE	GRE	ASE	SHAFT	TYPE	SPE	CIAL DE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL		
BALL 6309	BALL 6210	POLYR	EX EM	Т		N	ONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON		
												SP	ACE	
		NOT		WDG RTD's		BRG RTD's		THERMISTORS		CONTROL		HEATERS		
ISTA	rs (N/C)	NC	ונ	NOM	NE	N	ONE	N	IONE	E.	ALSE	NA		
R1 (of	nms/ph)	R2 (ohms/ph)		X1 (ohms/ph)		X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT		
0.	0.253 0.223 1.079			79	1	.119	3	7.772	C	.150	0	DE		
*														
N											CONSTANT 10:	1		
О Т									INV. HP SP	EED RANGE:	NONE			
E								ENCODER: NONE						
S							NONE				000			
								NONE BRAKE:	NONE		NONE	рык		
PREPARED BY: FAREEDA DUDEKULA									NC	DNE	NONE	Ξ		
DATE: 9/10/2018								FT-LB: NA						
FORM: 3531 REV_4 2/27/06								VOLTAGE: NONE HZ: UL: NONE						
2 00	· · · · · · · · · · · · · · · · · · ·							5.						

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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 256TTGN16004 (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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