PRODUCT INFORMATION PACKET

Model No: 213TTGN6528 Catalog No: C366A Hazardous Duty® Explosion Proof Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 213TC Frame, EPFC



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marathon[®] Motors



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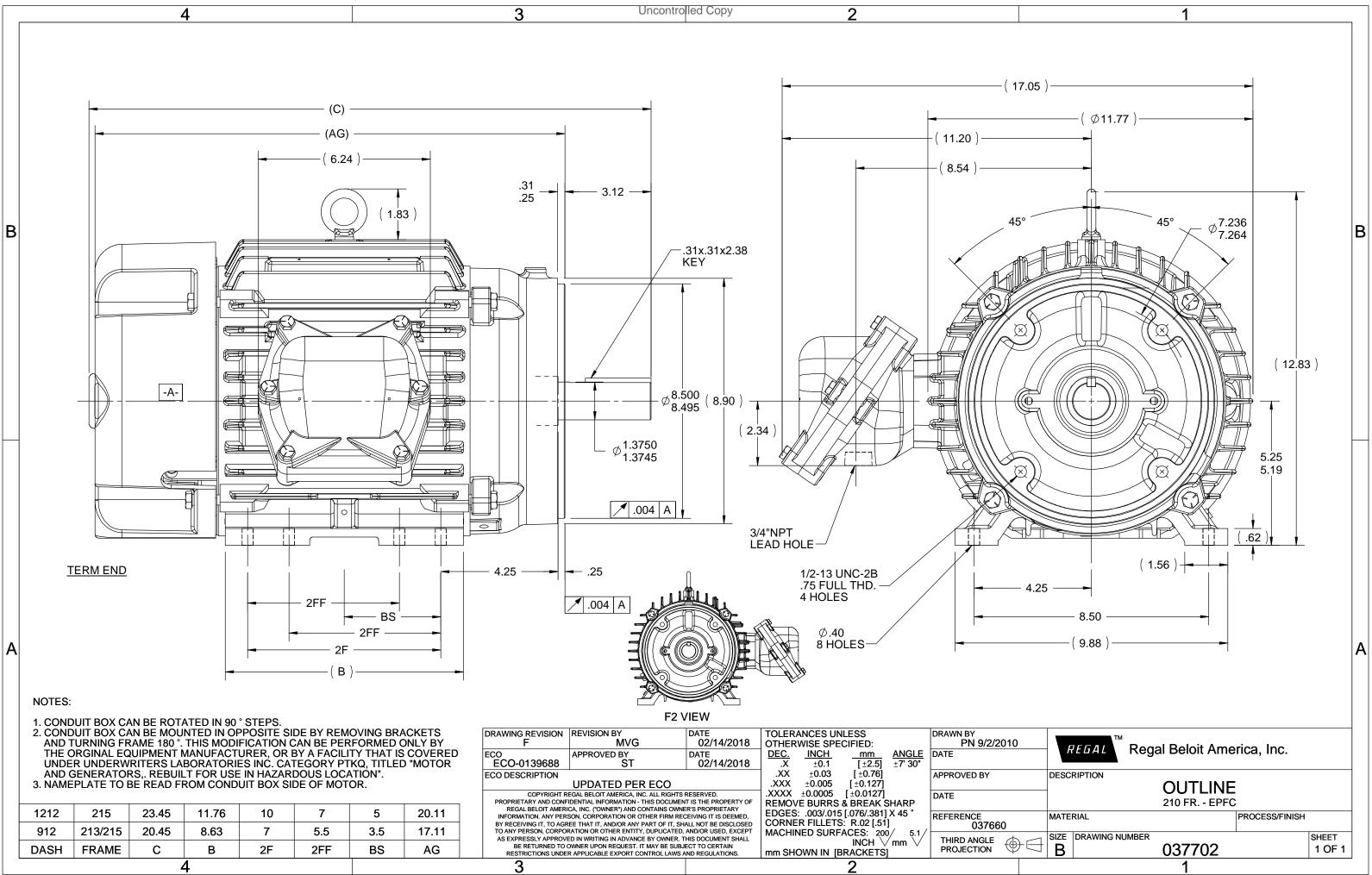
Nameplate Specifications

Phase	3	Output HP	7.50 & 5 Hp
Output KW	5.6 & 3.7 kW	Voltage	230/460 & 190/380 V
Speed	1770 & 1475 rpm	Service Factor	1.15 & 1.15
Frame	213TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	91.7 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	20/10 & 17.4/8.7 A	Power Factor	76.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	Н
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6208
UL	UL Listed; also, UL Certified for Canada	CSA	N
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	EXP PROOF CL I GR 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	1.18 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Overall Length	20.45 in
Frame Length	9.12 in	Shaft Diameter	1.375 in
Shaft Extension	3.12 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE7308T	Outline Drawing	037702-912

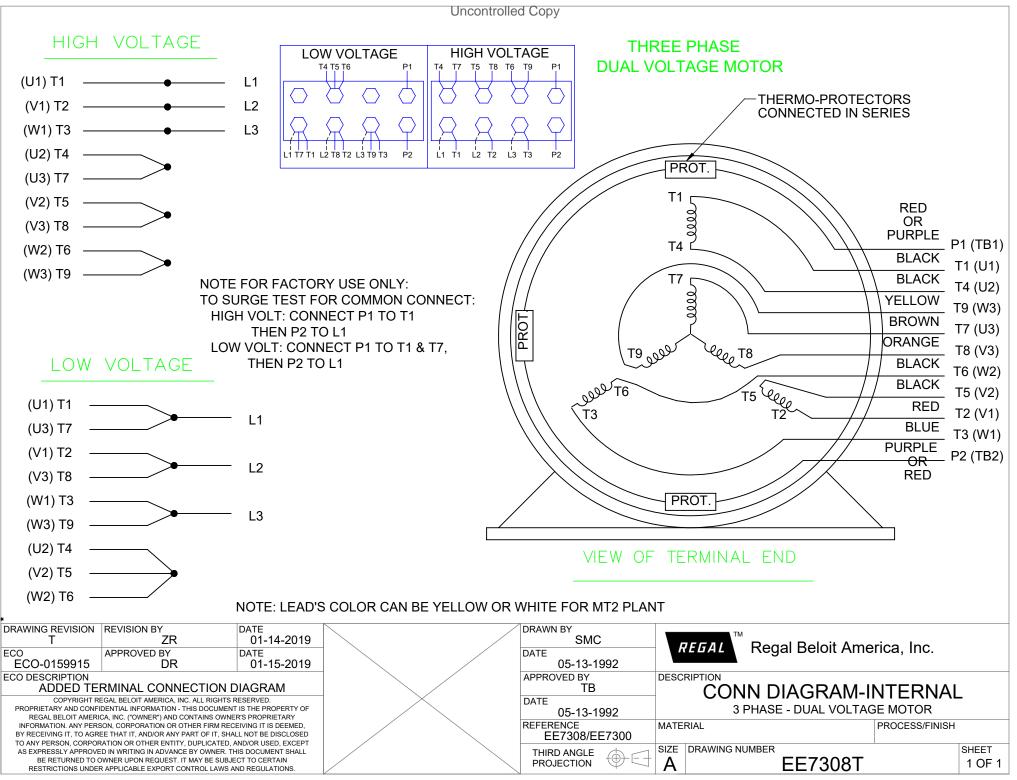
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1212	215	23.45	11.76	10	7	5	20.11		
912	213/215	20.45	8.63	7	5.5	3.5	17.11		
DASH	FRAME	С	В	2F	2FF	BS	AG		
	4								

DRAWING REVISION	REVISION BY	DATE	1 IOLER	ANCES UN	ILESS		DRAWN BY		
F	MVG	02/14/2018	-	WISE SPE			PN 9/2/2	2010	
ECO	APPROVED BY	DATE	DEC.	INCH	mm		DATE		
ECO-0139688	ST	02/14/2018	.X.	±0.1	[±2.5]	±7' 30"			
ECO DESCRIPTION			.XX	±0.03	[±0.76]		APPROVED BY		
	UPDATED PER ECO		.XXX	±0.005	[±0.127]				
COPYRIGHT RE		XXXX.	±0.0005	[±0.0127]		DATE			
PROPRIETARY AND CONFI		-	/E BURRS		-				
	CA, INC. ("OWNER") AND CONTAINS OWNE SON, CORPORATION OR OTHER FIRM REC			S: .003/.015			REFERENCE		
BY RECEIVING IT, TO AGR	EE THAT IT, AND/OR ANY PART OF IT, SH	ALL NOT BE DISCLOSED	CORNE	ER FILLETS	5: R.02 [.51]	03766	60	
	RATION OR OTHER ENTITY, DUPLICATED,		MACHI	NED SURF.	ACES: 20)/ 5.1/			
	ED IN WRITING IN ADVANCE BY OWNER. T DWNER UPON REQUEST. IT MAY BE SUBJ				INCH 📏	/ mm 🗸 🛛	THIRD ANGLE	\oplus	۰F
	R APPLICABLE EXPORT CONTROL LAWS A		mm SH	OWN IN [B	RACKETS		PROJECTION	Ŷ	
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CERTIFICATION DATA SHEET

Model#:	213TTGN6528 AC	WINDING#:	K2134268 NONE 1
CONN. DIAGRAM:	A-EE7308T	ASSEMBLY:	F1 ONLY
OUTLINE:	037702-912		

TYPICAL MOTOR PERFORMANCE DATA

HP	ĸw	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2&5	5.6&3.7	1800	1770&1475	213TC	EPFC	Н	В
				. <u> </u>			

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/	20/10&17.4/8.	LINE OR	CONTINUOU	F3	1.15/1.15	40	3300
		380	7	INVERTER	S				

FULL LOAD EFF: 91.7&91	3/4 LOAD EFF: 91.4	1/2 LOAD EFF: 90.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 76.5&71.2	3/4 LOAD PF: 68.1	1/2 LOAD PF: 56	91	SQ CAGE INV RATED	11 / 5.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.2 LB-FT	135 / 67.5	52.9 LB-FT 238	75 LB-FT 338	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.85 LB-FT^2	45 LB-FT^2	25 SEC.	2	140 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEAF	BEARINGS		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	т	NONE	NONE	1045 HOT	CAST IRON
6309	6208					ROLLED (C-204)	

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	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 10:1 INV. HP SPEED RANGE: NONE						
NONE	ER: NONE NONE NONE PPR					
BRAKE: NONE NONE - FT-LB	NONE P/N NO NONE NON	DNE	NONE Hz			

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