

PRODUCT INFORMATION PACKET

Model No: 215TTGND16029

Catalog No: C326B

10 HP Explosion Proof Motor, 3 phase, 1800 RPM, 230/460 V, 215TC Frame, EPFC
Explosion Proof NEMA Motors



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REGAL

Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	26.6/13.3 A	Speed	1765 rpm
Service Factor	1	Phase	3
Efficiency	91.7 %	Power Factor	76.9
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	215TC	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostats (N/C)	Ambient Temperature	40 °C
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
Hazardous Location	EXP PROOF CL I GR C&D CL II GR F&G T3B		

Technical Specifications

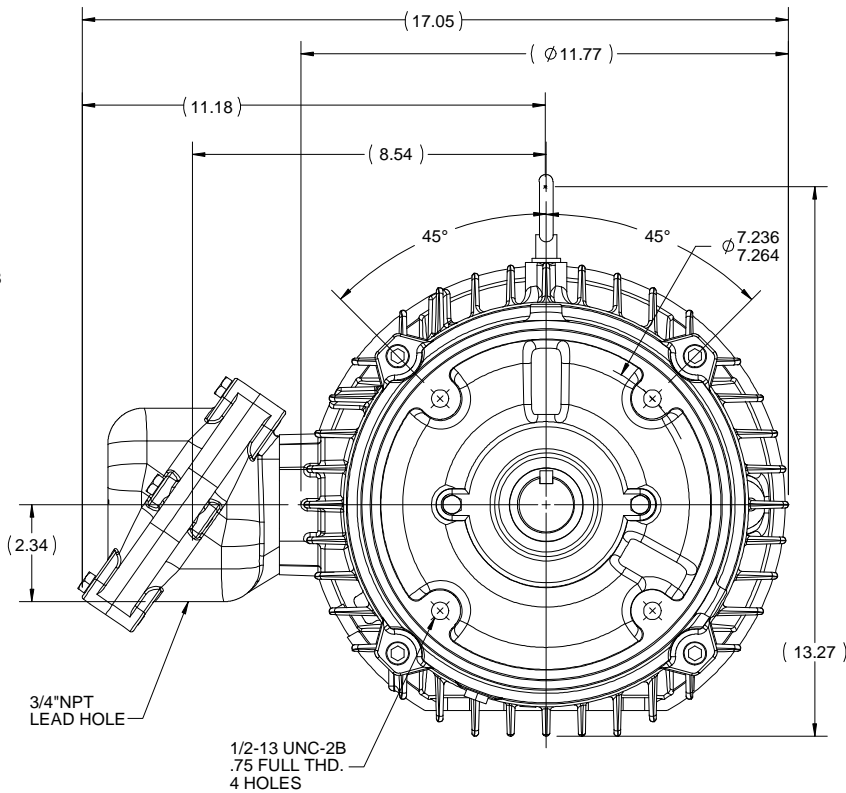
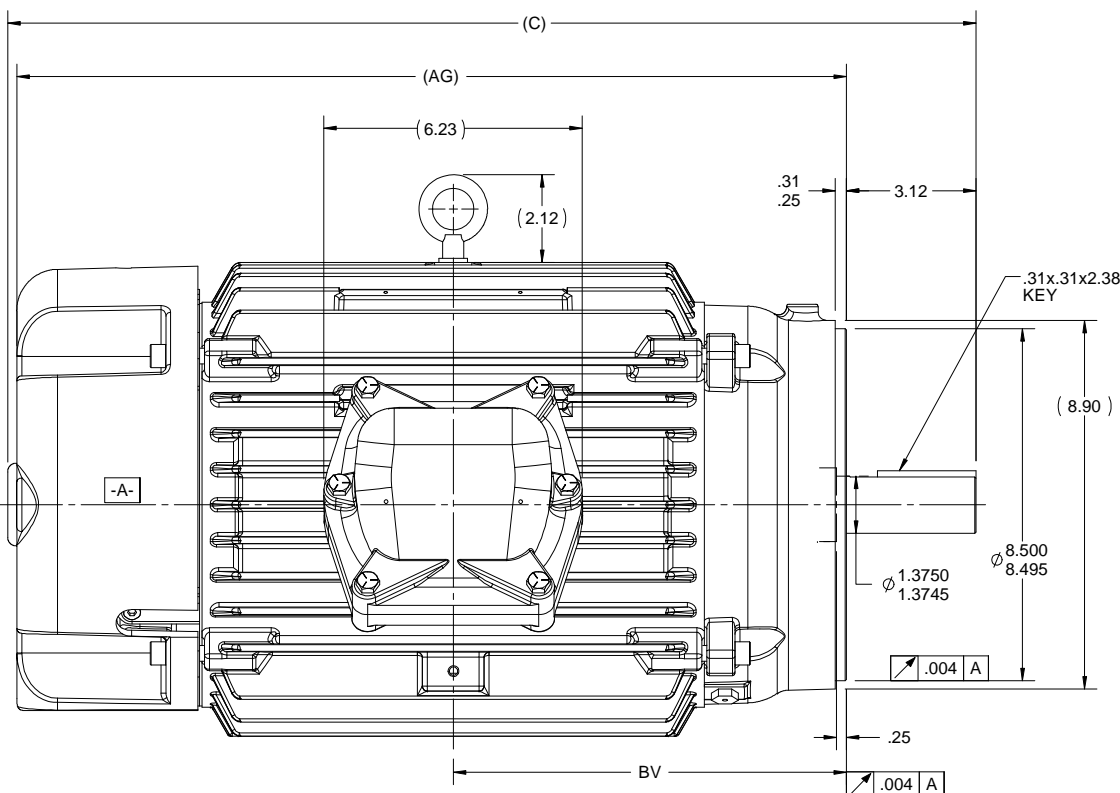
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.941 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	23.45 in
Frame Length	12.12 in	Shaft Diameter	1.375 in
Shaft Extension	3.12 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	037703-1212	Connection Drawing	EE7308T

B

B

A

A



- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED IN OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. THIS MODIFICATION CAN BE PERFORMED ONLY BY THE ORIGINAL EQUIPMENT MANUFACTURER, OR BY A FACILITY THAT IS COVERED UNDER UNDERWRITERS LABORATORIES INC. CATEGORY PTKQ, TITLED "MOTOR AND ENERATORS,.REBUILT FOR USE IN HAZARDOUS LOCATION".
 3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

1212	213/215	23.45	20.11	9.5
DASH	FRAME	C	AG	BV

DRAWING REVISION C	REVISION BY NK	DATE 8/10/2018
ECO ECO-0150544	APPROVED BY GNK	DATE 8/10/2018
ECO DESCRIPTION DASH 912 DELETED FROM TABLE		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP
 EDGES: .003/.015 [.076/.381] X 45°
 CORNER FILLETS: R.02 [.51]
 MACHINED SURFACES: 125/3.2
 INCH/mm

DRAWN BY VV	DATE 06/05/08
APPROVED BY	DATE
REFERENCE	THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION OUTLINE 213T/215T FRAME- DP - 11.15	
MATERIAL STANDARD WITH BASE	PROCESS/FINISH
SIZE B	DRAWING NUMBER 037703
SHEET 1 OF 1	

HIGH VOLTAGE



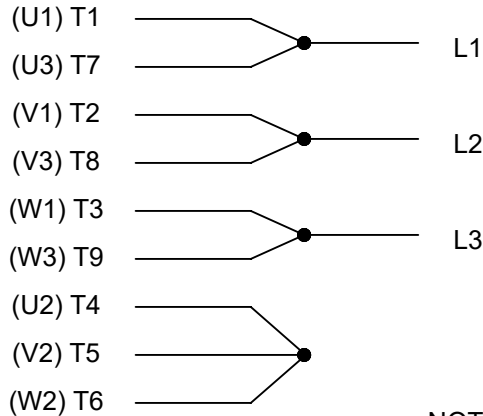
**THREE PHASE
DUAL VOLTAGE MOTOR**

THERMO-PROTECTORS
CONNECTED IN SERIES



NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

LOW VOLTAGE



VIEW OF TERMINAL END

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

DRAWING REVISION T	REVISION BY ZR	DATE 01-14-2019		DRAWN BY SMC	Regal Beloit America, Inc.
ECO ECO-0159915	APPROVED BY DR	DATE 01-15-2019		DATE 05-13-1992	
ECO DESCRIPTION ADDED TERMINAL CONNECTION DIAGRAM				APPROVED BY TB	DESCRIPTION CONN DIAGRAM-INTERNAL 3 PHASE - DUAL VOLTAGE MOTOR
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			REFERENCE EE7308/EE7300	THIRD ANGLE PROJECTION	SIZE A



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____ CUSTOMER P.O. #: _____
 ORDER #: EE7308T REFERENCE MODEL #: 215TTGND16029
 CONN. DIAGRAM: 037703-1212 CAT #: C3268
 OUTLINE: K2154512 NONE 3 CUSTOMER PART #: _____
 WINDING: _____ MOUNTING: F1 ONLY
 SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
10	7.5	1800	1765	215TC	TEFC	TEN	H	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	26.6/13.3&24.8/12.4	ACROSS-THE LINE	CONT	F	1.15	40	3300
	F.L. EFF	91.7	3/4 LD EFF	90.9	1/2 LD EFF	90.6	GTD EFF	ELECT. TYPE	
	F.L. PF	76.9	3/4 LD PF	70.1	1/2 LD PF	57.2	90.2	SQ CAGE IND RUN	
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)					
29.8 LB-FT	81.0	71.0 LB-FT	239%	89.0 LB-FT	239%	55			
@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	START/SHOUR	MOTOR WGT			
62 DBA	71 DBA	1.00 LB-FT ²	277 LB-FT ²	25 SEC.	2	150 LB.			

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	NO	DF CL I GR C&D CL I I GR	NO	NONE	BLUE (ENAMEL)
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE BALL 6309	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)		CAST IRON	
THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS		
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NA		
R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT		
0.612	0.457	1.855	2.156	35.888	0.150	ODE		

* INVERTER TORQUE: NONE
 INV. HP SPEED RANGE: NONE
 ENCODER: NONE
 NONE
 NONE
 BRAKE: NONE
 NONE
 NONE
 NONE PPR

PREPARED BY: FAREEDA DUDEKULA
 DATE: 11/5/2018
 FT-LB: NA
 VOLTAGE: NONE
 HZ: _____
 UL: NONE

