

# PRODUCT INFORMATION PACKET

Model No: 215TTDBD6035

Catalog No: GT2119

General Purpose Motors, Drip Proof, 10 HP, 3 Ph, 60 Hz, 575 V, 1768 RPM, 215TC



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### Nameplate Specifications

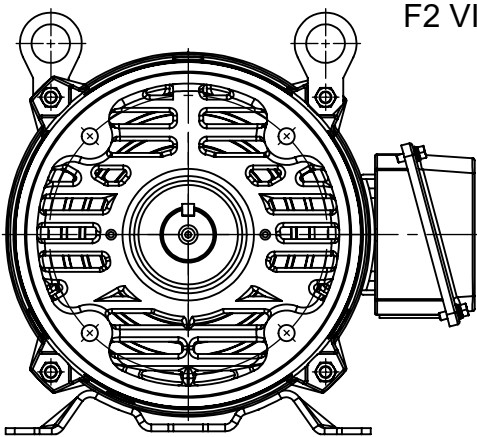
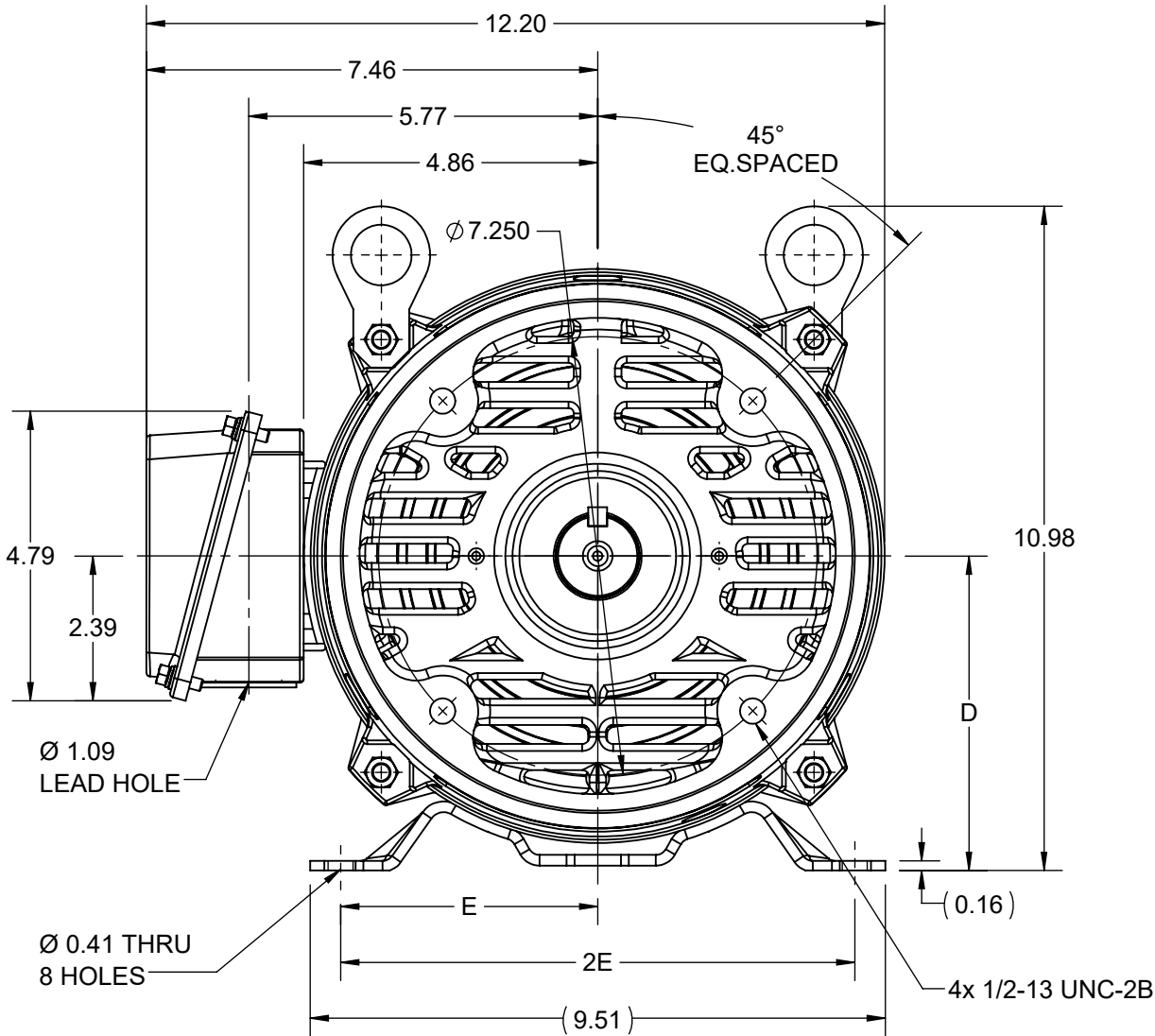
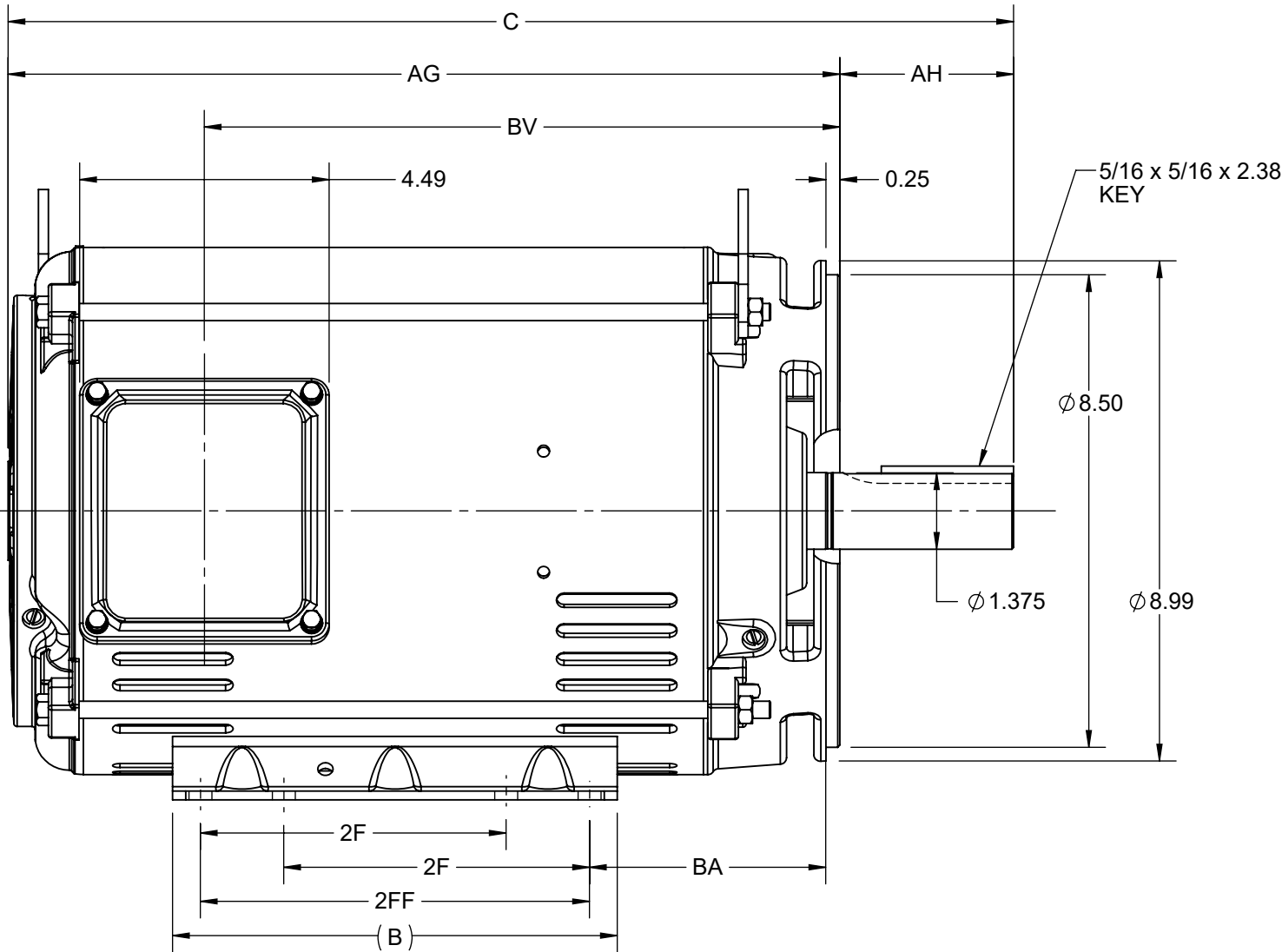
Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	575 V
Current	10.2 A	Speed	1768 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	80.1
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	215TC	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

### Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	1.217 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Shaft Diameter	1.375 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	VARIABLE 10:1
Connection Drawing	EE7300	Outline Drawing	SS620707



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4					3					2		1
B	C	D	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	
8.00	18.09	5.25	4.25	8.50	5.50	7.00	14.96	3.12	4.25	11.43	F1 OR F2	



DRAWING REVISION E	REVISION BY GOPI J	REV DATE/© DATE 14/02/2022
REQUEST NUMBER CR-0006891	APPROVED BY SBD	DATE 14/02/2022
REQUEST NUMBER DESCRIPTION VIEWS UPDATED AS PER 3D		
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ARE FOR REFERENCE ONLY

DRAWN BY WY	 Regal Beloit America, Inc.	
DATE 25/02/2016		
APPROVED BY ZYW	DESCRIPTION <b>OUTLINE</b> 213/215TC FR NEMA ODP RS	
DATE 25/02/2016		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION 	SIZE <b>B</b>	DRAWING NUMBER <b>SS620707</b>
		SHEET 1 OF 1

# THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO  
LINE LEAD CONNECTIONS.

## TERMINAL BLOCK WHEN SPECIFIED



### IF MOTOR HAS 6 LEADS



A-9806 DECAL

### OPTIONAL CORD CONNECTION



## VIEW OF TERMINAL END

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION  
**CONNECTION DIAGRAM**  
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL PROCESS/FINISH

SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1
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P.O. BOX 8003  
WAUSAU, WI 54401-8003  
PH. 715-675-3311

DATA VOLTS: 575

### CERTIFICATION DATA SHEET

**CUSTOMER:****ORDER #:****CONN. DIAGRAM:****OUTLINE:****WINDING:****SPEED:**

EE7300

SS620707

HA31324016 NONE 4

**CUSTOMER P.O. #:****REFERENCE MODEL #:****CAT #:****CUSTOMER PART #:****MOUNTING:**

### TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
10	7.5	1800	1768	215TC	DP	TDB	H	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	10.2	LINE OR INVERTER	CONT	F	1.15	40	3300
F.L. EFF		91.7	3/4 LD EFF	91.9	1/2 LD EFF	90.9	GTD EFF	ELECT. TYPE	
F.L. PF		80.1	3/4 LD PF	75.8	1/2 LD PF	65.1	91.0	SQ CAGE INV RATED	
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)	
29.8	LB-FT	63.2		72.0	LB-FT	242%	88.0	LB-FT	295%
SOUND PRESSURE @ 3 FT.		SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APPROX.	MOTOR WGT
47	dBA	56	dBA	1.09	LB-FT²	79	LB-FT²	15	SEC.
*** SUPPLEMENTAL INFORMATION ***									
DE BRACKET TYPE		ODE BRACKET TYPE		MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS
C-FACE		STANDARD		RIGID	HORIZONTAL	NO	NONE	YES	NONE
BEARINGS		GREASE		SHAFT TYPE		SPECIAL DE		SPECIAL ODE	
DE	ODE	POLYREX EM		T		NONE		NONE	
BALL	BALL							1045 HOT ROLLED (C-204)	
6307	6206							ROLLED STEEL	
THERMOSTATS		PROTECTORS		WDG RTD's		BRG RTD's		THERMISTORS	
NONE		NOT		NONE		NONE		NONE	
R1 (ohms/ph)		R2 (ohms/ph)		X1 (ohms/ph)		X2 (ohms/ph)		Xm (ohms/ph)	
1.803125		0.9921875		5.3734375		6.3859375		114.4046875	
VIBRATION (in/sec)		FLOAT							
0.150		ODE							
* N O T E *									
PREPARED BY:		INVERTER TORQUE: VARIABLE 10:1							
DATE:		INV. HP SPEED RANGE: NONE							
		ENCODER: NONE							
		NONE							
		NONE PPR							
		BRAKE: NONE							
		NONE							
		FT-LB: NA							
		VOLTAGE: NONE							
		HZ:							
		UL: V - LIME-INS.CONST UL REC							

FORM: 3531 REV. 4 2/27/06

