

PRODUCT INFORMATION PACKET

Model No: 215TTDBD6026

Catalog No: GT0019A

10 HP General Purpose Motor, 3 phase, 1800 RPM, 208-230/460 V, 215T Frame, ODP
Three Phase ODP Motors



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.
©2021 Regal Beloit Corporation, All Rights Reserved. MC017097E

REGAL



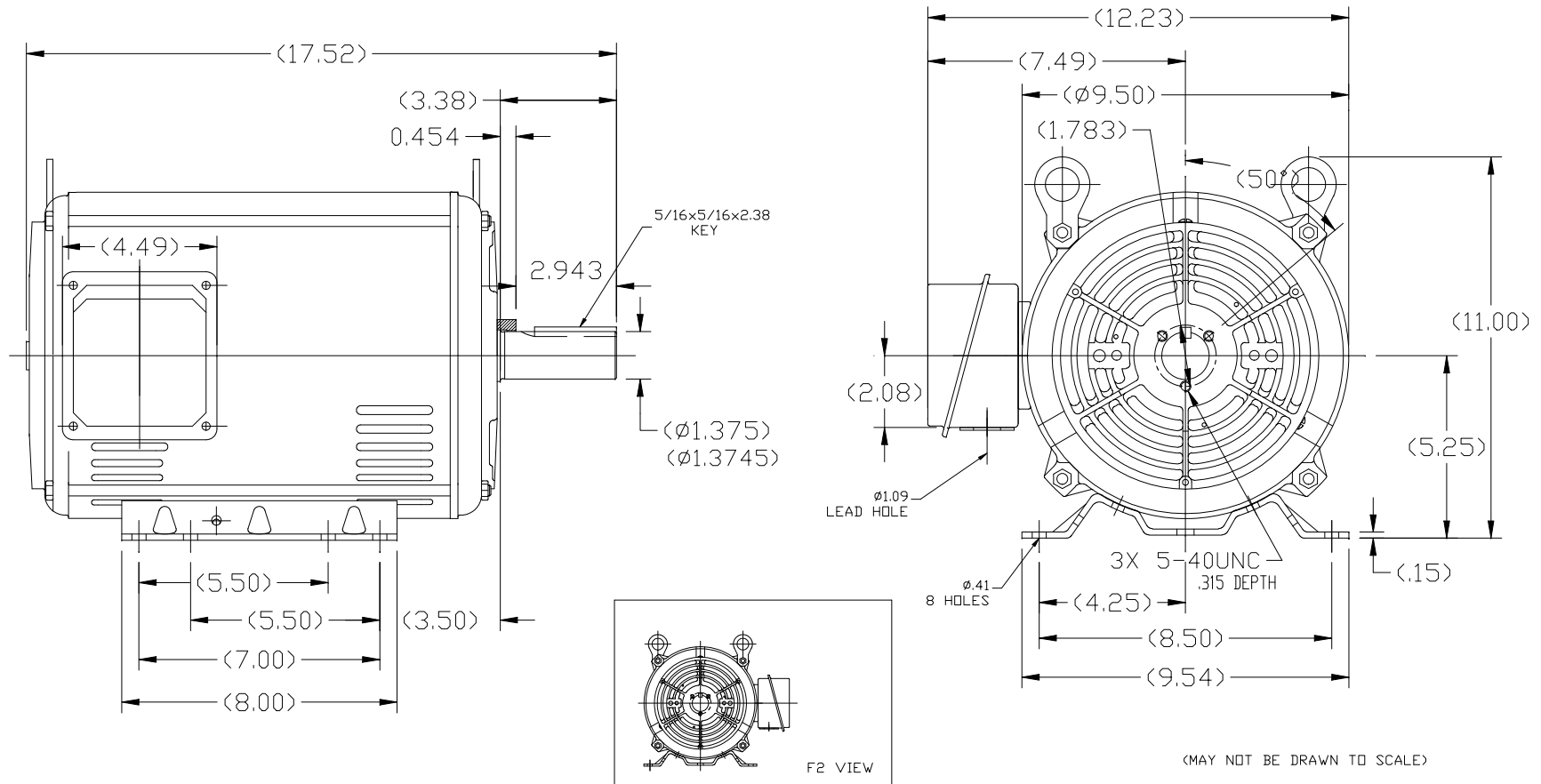
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	27.7-25.4/12.7 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	215T	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

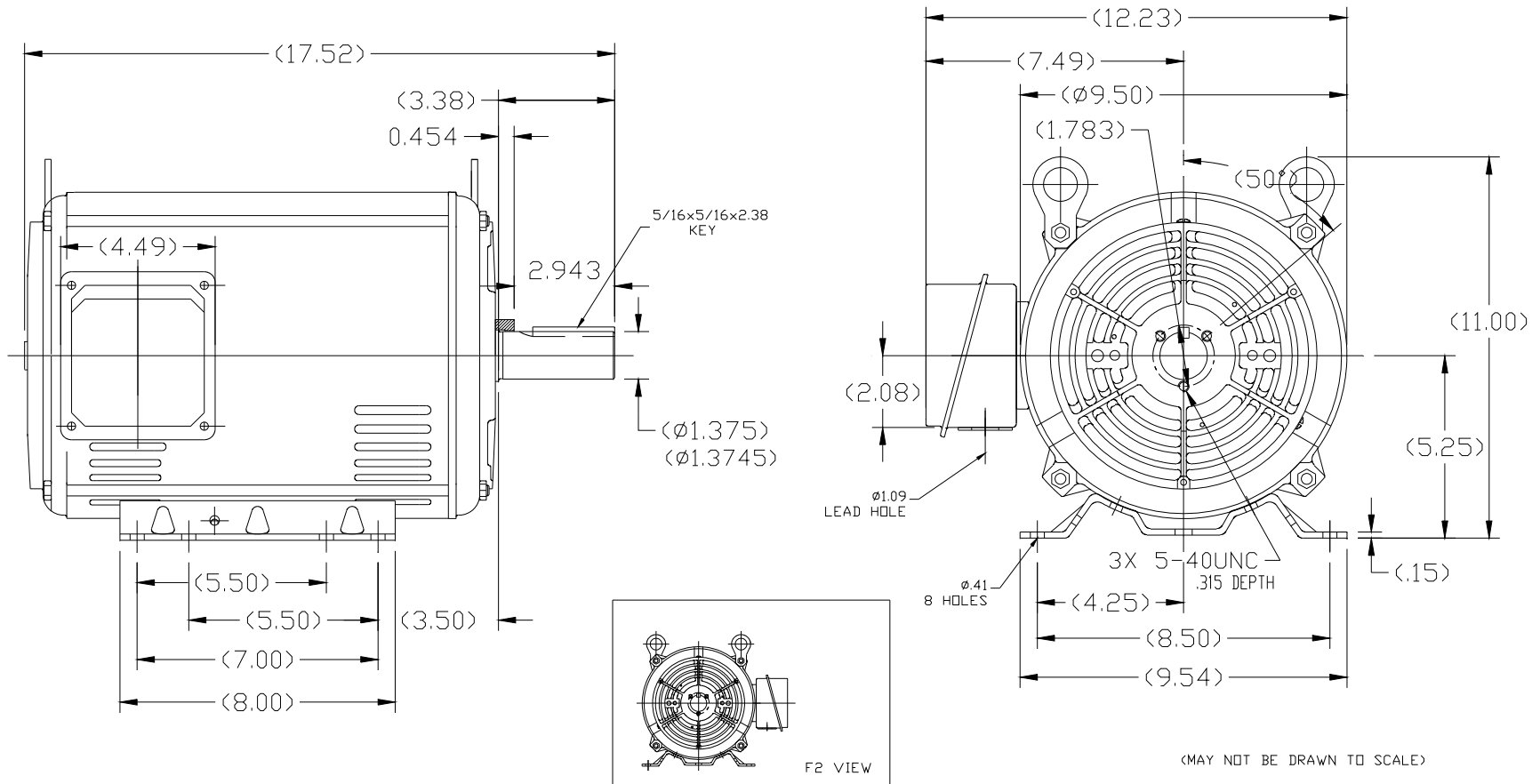
Technical Specifications

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	Overall Length	17.52 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	EE7308	Outline Drawing	SS620684

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/01/2021



		TOLERANCES UNLESS SPECIFIED		REGAL REGAL-BELOIT CORPORATION		DRAWN ZKW 04-16-2015	
		DEC.	INCHES			CHK ZL 04-16-2015	
		X	±.1		APPD ZYH 04-16-2015		
		.XX	±.03	TITLE	OUTLINE		
		.XXX	±.005	213/215T ODP-ROLLED STEEL			
03	F2 VIEW ADDED PER ECO-0162175	NK	02-20-19	VY	.XXXX	±.0005	MAT'L
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	PREV
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE		SS620684
				DIST	SIZE	DRAWING NO.	REV.
					B	SS620684	3



		TOLERANCES UNLESS SPECIFIED		REGAL REGAL-BELOIT CORPORATION		DRAWN ZKW 04-16-2015	
		DEC.	INCHES			CHK ZL 04-16-2015	
		X	±.1			APPD ZYH 04-16-2015	
		XX	±.03	TITLE	OUTLINE		SCALE
		XXX	±.005		213/215T ODP-ROLLED STEEL		REF
03	F2 VIEW ADDED PER ECO-0162175	NK	02-20-19	VY	XXXX	±.0005	MAT'L
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	PREV
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE		SS620684
				DIST	SIZE	DRAWING NO.	REV.
					B	SS620684	3



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02			SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT							RFP	CAD FILE ee7308	SIZE A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					



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

CERTIFICATION DATA SHEET

CUSTOMER:

**CUSTOMER
PO#:**

ORDER #:

MODEL #: 215TTDBD6026 BB

CONN. DIAGRAM: A-EE7308

**CUSTOMER PART
#:**

OUTLINE: SS620684

MOUNTING: F1/F2 CAPABLE

WINDING #: HE31324016 2

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&7 1/2	7.50&5.60	1800	1768&1470	215T	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	25.4/12.7&23.4/11.7	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	91.7&91	3/4 LOAD EFF:	91.9	1/2 LOAD EFF:	90.9	GTD. EFF	91	ELEC. TYPE	SQ CAGE INV RATED
FULL LOAD PF:	80.1&80	3/4 LOAD PF:	75.8	1/2 LOAD PF:	65.1				

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.8 LB-FT	158 / 79	61 LB-FT 205 %	73 LB-FT 246 %	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
47 dBA	57 dBA	1 LB-FT^2	79 LB-FT^2	15 SEC.	2	144 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6307	6206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

* N O T E S *	INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE ENCODER: NONE NONE NONE NONE NONE PPR BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz
---	--

PREPARED BY: Anusha Muthyala
DATE: 09/24/2019 12:48:25 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 19-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



215TTDBD6026

Submittal

Data @ 460 V

Motor Load Data

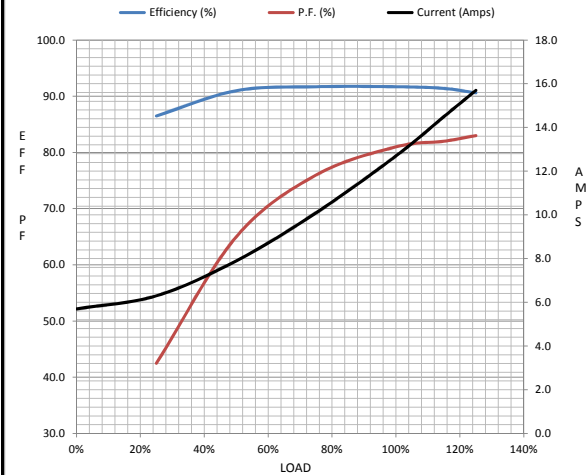
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	5.7	6.3	7.9	10.1	12.7	14.5	15.7	79.0
Torque (ft-lb)	0.00	7.3	14.7	22.2	29.8	34.3	37.4	61.0
RPM	1800	1792	1785	1778	1768	1,762	1758	0
Efficiency (%)		86.5	91.0	91.7	91.7	91.4	90.6	
P.F. (%)	5.5	42.5	65.0	76.0	81.0	82.0	83.0	45.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1578	1768	1800
Current (Amps)	79.0	73.0	44.0	12.7	5.7
Torque (ft-lb)	61.0	52.0	73.0	29.8	0.00

Information Block

HP	10.0			
Sync. RPM	1800			
Frame	215			
Enclosure	DP			
Construction	TDB			
Voltage	30/460#190/38V			
Frequency	60 Hz			
Design	B			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	50 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	1.00 Lb-Ft ²			
Ref Wdg	HE31324016 NONE			
Sound Pressure @ 1M	47 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS620684			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.7380	0.4060	2.2010	2.6160	46.8600



Speed -Torque Curve

