

PRODUCT INFORMATION PACKET

Model No: 215TTFS6505
Catalog No: E657
10 HP Severe Duty Motor, 3 phase, 3600 RPM, 575 V, 215T Frame, TEFC
Severe Duty Motors



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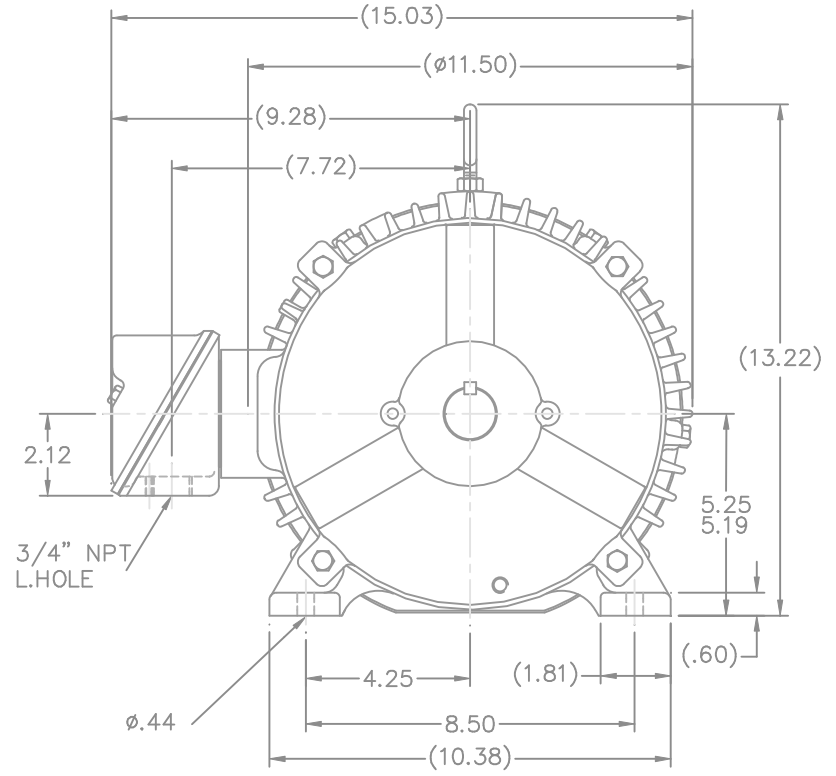
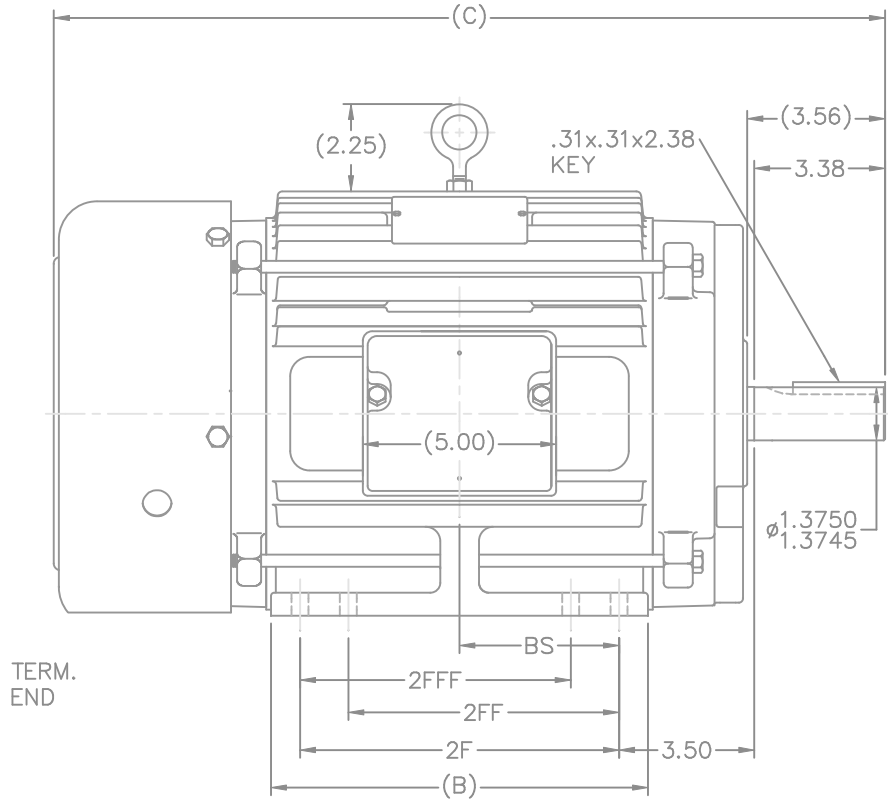
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	575 V
Current	9.5 A	Speed	3535 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
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	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.8 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	19.72 in
Frame Length	8.75 in	Shaft Diameter	1.375 in
Shaft Extension	3.56 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7300	Outline Drawing	B-SS84236-875

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DASH	FRAME	B	2F	2FF	2FFF	BS	FOOT HOLE QTY.	MOUNTING	C CAST FAN GUARD	C STEEL FAN GUARD
725	213T	7.00	5.50	—	—	2.75	4	F1 OR F2	18.22	18.74
875	215T	8.50	7.00	—	—	3.50	4	F1 OR F2	19.72	20.24
875	213/5T	8.50	7.00	5.50	5.50	3.50	8	F1 OR F2	19.72	20.24
1000	213T	9.75	8.25	5.50	5.50	4.12	8	F1 OR F2	20.97	21.49
1000	215T	9.75	8.25	7.00	7.00	4.12	8	F1 OR F2	20.97	21.49

NOTES:

1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV
13	REMOVED NOTE "SEE TABLE FOR HOLE QTY."	RDH 11-18-2003	ML	UNLESS SPECIFIED		
12	-875'S FOOT HOLE QTYS. WERE SWITCHED CN37323	ERH 10-21-2003	ML	DEC.	INCHES	
11	REVISED TABLE TO CLARIFY MOUNTINGS CN37301	TAT 9-29-2003	ML	.X	±.1	
10	CORRECTED CONDUIT BOX VIEWS CN28426	BLR 1-5-2000		.XX	±.03	
9	REVISED CONDUIT BOX CN28426	BLR 1-4-2000		.XXX	±.005	
8	REVISED DASH TABLE AND FOOT HOLE DIM.	MRB 3-26-1999		.XXXX	±.0005	
			RFP			
			DIST	LB		

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DRAWN RM 1-11-1993 CHK ML 1-12-1993 APPD GK 1-12-1993 SCALE 5=16 REF FMF PREV			TITLE OUTLINE 210T FR. - TEFC
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**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.**

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**



A-9806 DECAL

**OPTIONAL CORD
CONNECTION**



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	

Data Sheet

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



215TTF6505

Submittal

Data @ **575 V**

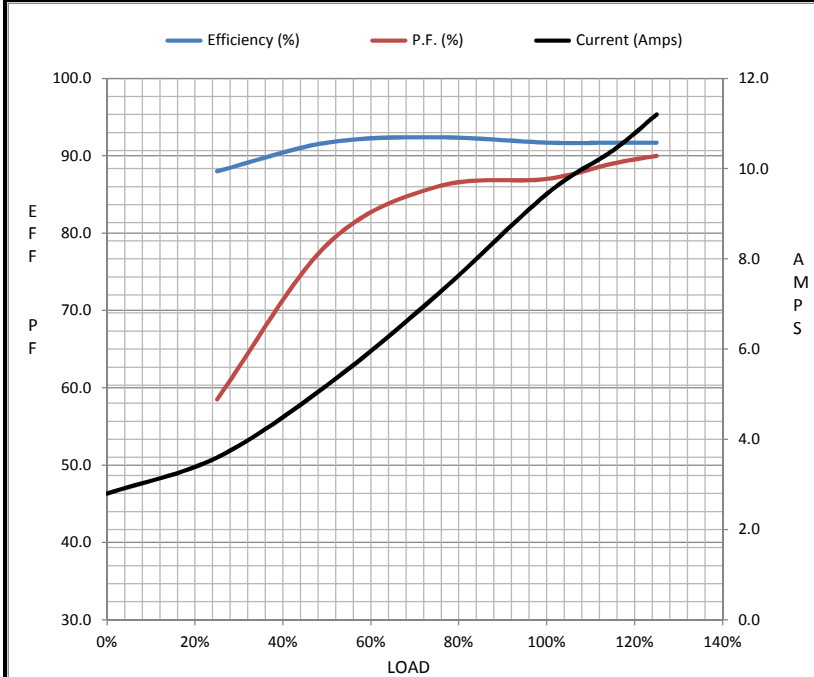
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	2.80	3.6	5.2	7.2	9.4	10.4	11.2	64.0
Torque (ft-lb)	0.00	3.5	7.5	11.0	14.9	17.0	18.5	30.0
RPM	3600	3585	3570	3555	3535	3,530	3525	0
Efficiency (%)		88.0	91.7	92.4	91.7	91.7	91.7	
P.F. (%)	8.5	58.5	78.5	86.0	87.0	89.0	90.0	40.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3175	3535	3600
Current (Amps)	64.0	57.6	40.0	9.4	2.80
Torque (ft-lb)	30.0	27.0	46.0	14.9	0.00

Information Block				
HP	10.0			
Sync. RPM	3600			
Frame	215			
Enclosure	TEFC			
Construction	TFN			
Voltage	575 V			
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	0.68 Lb-Ft ²			
Ref Wdg	K215295 NONE			
Sound Pressure @ 1M	72 dBA			
VFD Rating	CONSTANT 20:1			
Outline Dwg	B-SS84236-875			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.8170	0.6210	2.8220	3.2220	112.7130



Speed - Torque Curve

