

PRODUCT INFORMATION PACKET

Model No: 215TTTS17078

Catalog No: S560

Other Purpose Motor, 5 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 215T Frame, TEAO



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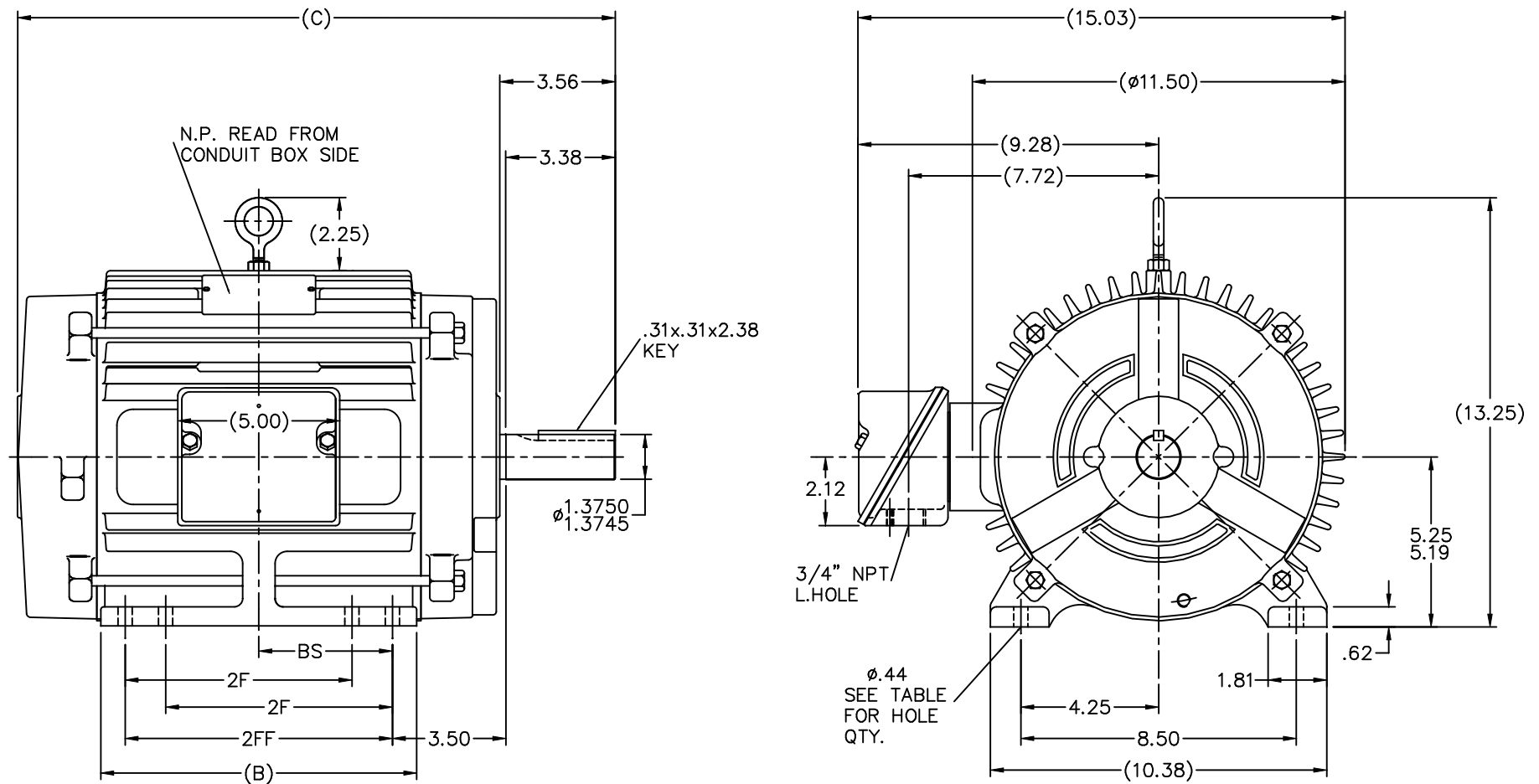
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	575 V
Current	5.5 A	Speed	1165 rpm
Service Factor	1.15	Phase	3
Efficiency	88.5 %	Power Factor	76
Duty	Continuous	Insulation Class	H
Design Code	B	KVA Code	J
Frame	215T	Enclosure	Totally Enclosed Air Over
Thermal Protection	No Protection	Ambient Temperature	90 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	N	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	1.96 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball / Heat Stabilized
Opp Drive End Bearing	Ball / Heat Stabilized	Frame Material	Cast Iron
Shaft Type	T	Overall Length	17.19 in
Frame Length	8.75 in	Shaft Diameter	1.375 in
Shaft Extension	3.56 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	B-SS85995-875	Connection Drawing	A-EE7300T

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NOTES:

1. BOX CAN BE ROTATED IN 90° STEPS.
2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.

(REPLACES A-SS87840)

DASH	FRAME	B	2F	2FF	BS	C	FOOT HOLE QTY.	MOUNTING
725	213T	7.00	—	5.50	2.75	15.69	4	F1 OR F2
875	215T	8.50	—	7.00	3.50	17.19	4	F1 OR F2
875	213/5T	8.50	5.50	7.00	3.50	17.19	8	F1 OR F2
1000	213T	9.75	5.50	8.25	4.12	18.44	8	F1 OR F2
1000	215T	9.75	7.00	8.25	4.12	18.44	8	F1 OR F2

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN BRH 06-17-1996			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"		CHK	KL	06-28-1996	
8	CLARIFIED EXT. DIMENSION	MU43615	TAT	02-13-2004	ML	DEC.	INCHES			
7	ADDED FOOT HOLE QTY. & MTG. TO TABLE	CN 37322	TAT	01-14-2004	ML	.X	±.1			
6	FOOT HOLES WERE 4 NOW 8	CN 29200-450	DRS	05-16-2000	.XX	±.03				SCALE 5=16
5	REVISED CONDUIT BOX	CN 28426	NJS	01-18-2000	.XXX	±.005				REF
4	AD'D '213/15 MAY ONLY HAVE..' NOTE	CN 27400-361	BLR	08-31-1999	.XXXX	±.0005				FMF
							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 ss85995	SIZE	DRAWING NO.	PAGE OF
							DIST LB	B	SS85995	8

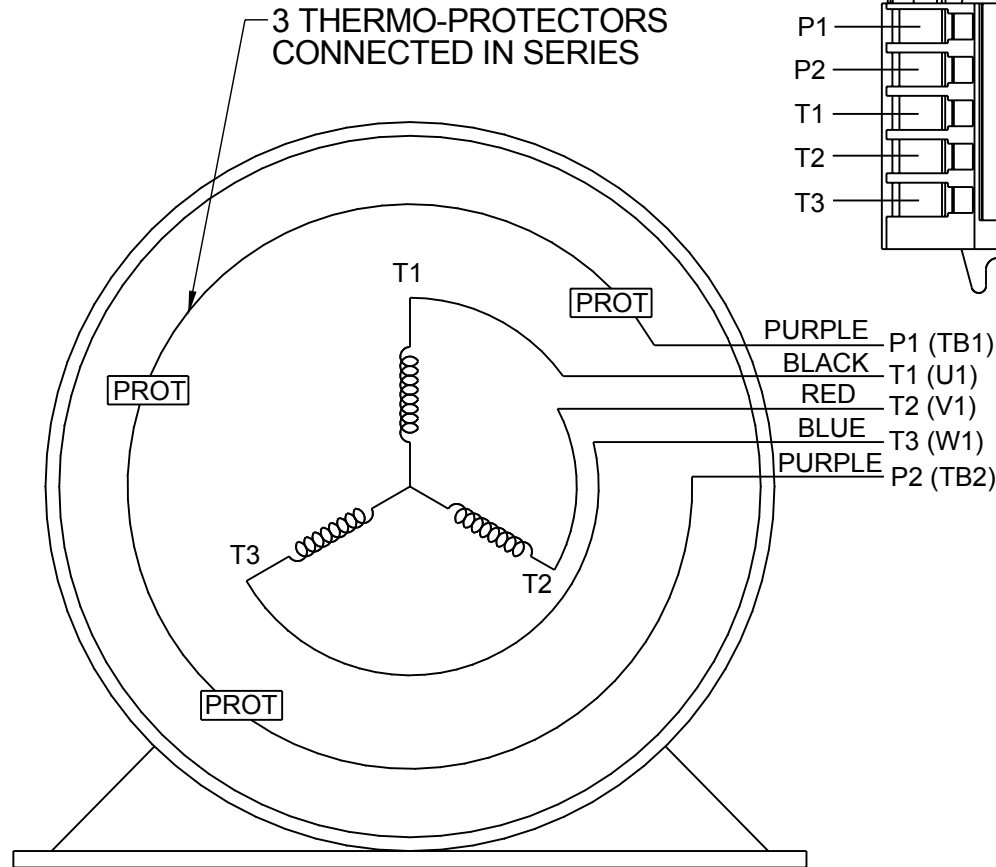
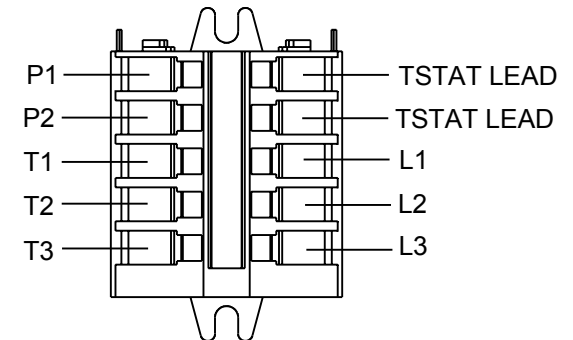
ERROR: undefined
OFFENDING COMMAND: Pscript_WinNT_
STACK:

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

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

NOTE FOR FACTORY USE ONLY:
TO SURGE TEST:
FOR 3 LEAD COMMON CONNECT:
CONNECT P1 TO T1 THEN P2 TO L1
FOR 6 LEAD COMMON CONNECT:
CONNECT P1 TO BOTH T1
THEN P2 TO L1

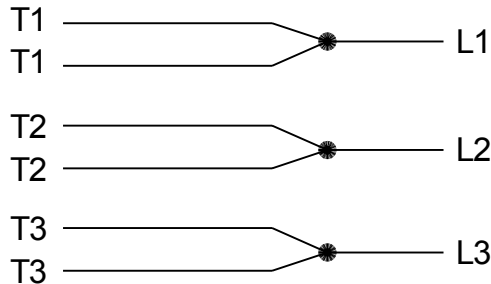
TERMINAL BLOCK WHEN SPECIFIED



PURPLE P1 (TB1)
BLACK T1 (U1)
RED T2 (V1)
BLUE T3 (W1)
PURPLE P2 (TB2)

T2BM
T6AW
T6AL
T6Z
T4EG
T4BF
T8A
T6H
T6A
T4AX
T4A
T2A
T2F

IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S



A-9806 DECAL

VIEW OF TERMINAL END

DRAWING REVISION AB	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T.VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC-60034-8		
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DRAWN BY LZ
DATE 01-04-1994
APPROVED BY GK
DATE 01-20-1994
REFERENCE
THIRD ANGLE PROJECTION

 Regal Beloit America, Inc.		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-SINGLE VOLT-MOTOR WITH PROTECTOR		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7300T	SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 215TTTS17078 BR
 CONN. DIAGRAM: A-EE7300T
 OUTLINE: B-SS85995-875

WINDING#: K2156163 NONE 3
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.73	1200	1165	215T	TEAO	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	5.5	LINE OR INVERTER	CONTINUOU S	H4	1.15	90	3300

FULL LOAD EFF: 88.5	3/4 LOAD EFF: 88.5	1/2 LOAD EFF: 87.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 76	3/4 LOAD PF: 70	1/2 LOAD PF: 59	86.5	SQ CAGE INV RATED	2.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.5 LB-FT	36.8	65 LB-FT 289	68 LB-FT 302	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.95 LB-FT^2	80 LB-FT^2	25 SEC.	2	205 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL / HEAT STABILIZED	BALL / HEAT STABILIZED						
6307	6206	DC 44M	T	NONE	NONE	1144 STRESSPROOF (C-223)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS CLH (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further
information

INVERTER TORQUE: VARIABLE 20:1
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
- FT-LB NONE V NONE Hz

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DATE: 06/23/2017 01:00:59 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 16-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



215TTTS17078

Submittal

Data @ 575 V

Motor Load Data

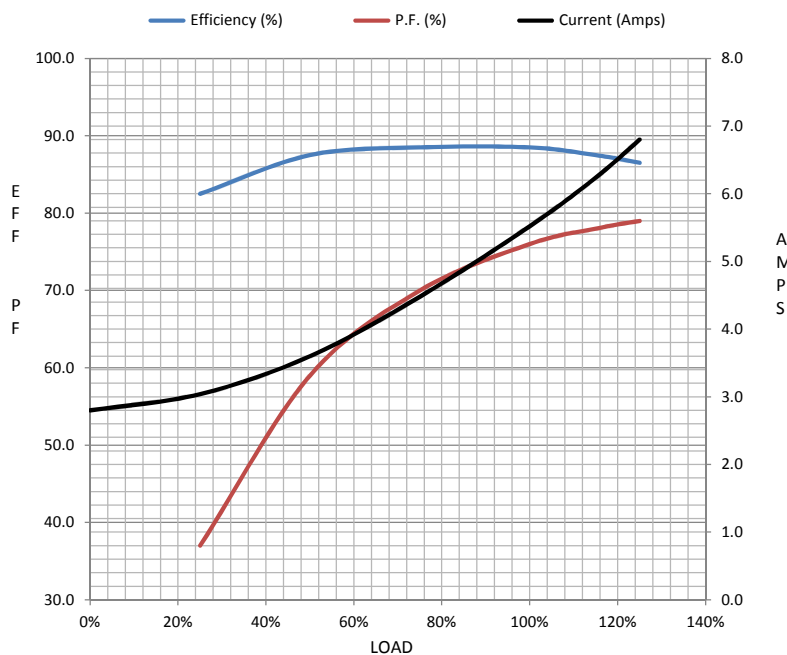
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.80	3.0	3.6	4.5	5.5	6.2	6.8	36.8	
Torque (ft-lb)	0.00	5.5	11.2	16.8	22.5	26.0	28.5	65.0	
RPM	1200	1192	1182	1175	1165	1,155	1150	0	
Efficiency (%)		82.5	87.5	88.5	88.5	87.5	86.5		
P.F. (%)	5.5	37.0	59.0	70.0	76.0	78.0	79.0	50.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	875	1165	1200
Current (Amps)	36.8	33.6	25.6	5.5	2.80
Torque (ft-lb)	65.0	58.0	68.0	22.5	0.00

Information Block

HP	5.0			
Sync. RPM	1200			
Frame	215			
Enclosure	TEAO			
Construction	TTN			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	35 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.95 Lb-Ft²			
Ref Wdg	K2156163 NONE			
Sound Pressure @ 1M	0 dBA			
VFD Rating	VARIABLE 20:1			
Outline Dwg	B-SS85995-875			
Conn. Diag	A-EE7300T			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.9930	1.9670	8.0180	8.3720	117.1210



Speed -Torque Curve

