

PRODUCT INFORMATION PACKET

Model No: 324TTTS18577

Catalog No: S525

Other Purpose Motor, 25 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 324T Frame, TEAO



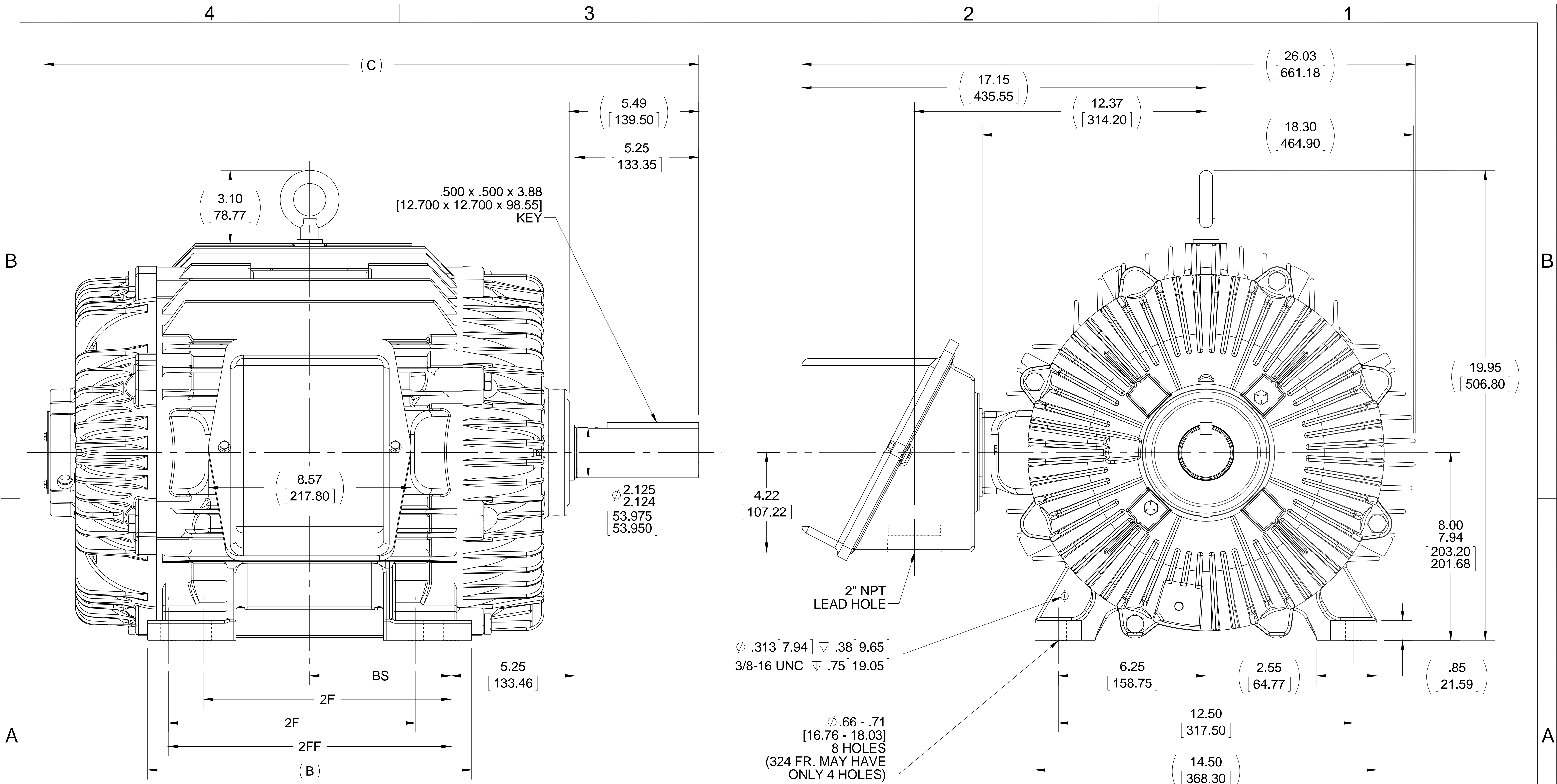
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Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	460 V
Current	32.5 A	Speed	1182 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	78
Duty	Continuous	Insulation Class	H
Design Code	B	KVA Code	G
Frame	324T	Enclosure	Totally Enclosed Air Over
Thermal Protection	No Protection	Ambient Temperature	90 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	No	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	.255 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	27.50 in
Frame Length	13.00 in	Shaft Diameter	2.125 in
Shaft Extension	5.5 in	Assembly/Box Mounting	F1/F2 Capable
Inverter Load	VARIABLE 20:1		
Connection Drawing	A-EE7300T	Outline Drawing	B-SS301011-1300



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

DASH	FRAME	B	C	2F	2FF	BS
1150	324T	13.00 [330.20]	26.27 [667.26]	---	10.50 [266.70]	5.25 [133.35]
1300	324T/ 326T	13.75 [349.25]	27.77 [705.36]	10.50 [266.70]	12.00 [304.80]	6.00 [152.40]

DRAWING REVISION F	REVISION BY J. OTTO	DATE 06-27-2016
ECO ECO-0102388	APPROVED BY T. VUE	DATE 06-28-2016
ECO DESCRIPTION NMR-0106886, MU123088		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:
 DEC. INCH mm ANGLE
 .X ±0.1 [±2.5] ±7° 30"
 .XX ±0.03 [±0.76]
 .XXX ±0.005 [±0.127]
 .XXXX ±0.0005 [±0.0127]
 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°
 CORNER FILLETS: R.02 [0.51]
 MACHINED SURFACES: 200 INCH/mm 5.1
 mm SHOWN IN [BRACKETS]

DRAWN BY CAV
DATE 08-29-2000
APPROVED BY DD
DATE 08-30-2000
REFERENCE
THIRD ANGLE PROJECTION

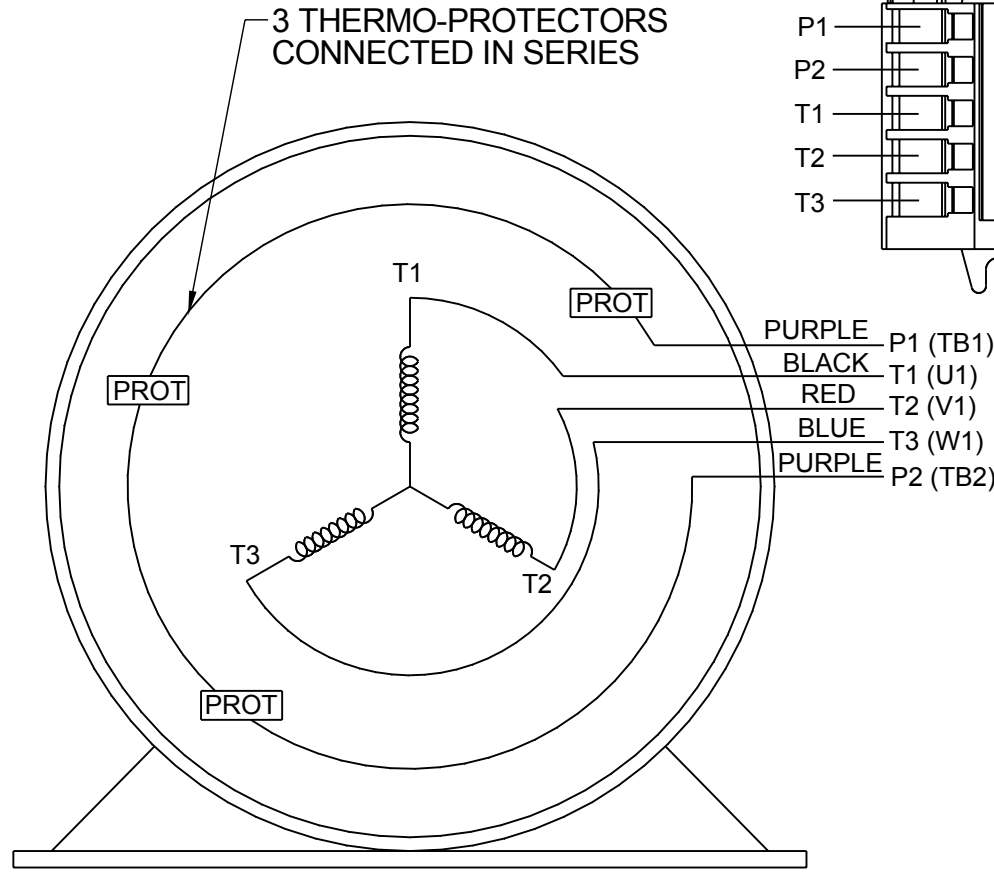
REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION OUTLINE 320T FR. - TEO - TENV - 14.25 LAM.	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS301011
	SHEET 1 OF 1

**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**

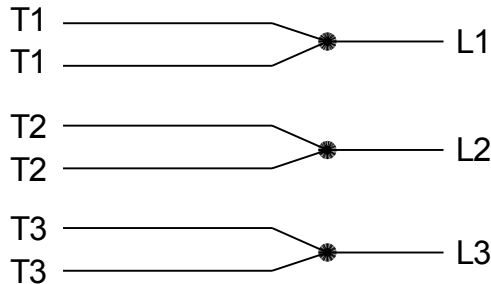
TERMINAL BLOCK WHEN SPECIFIED



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

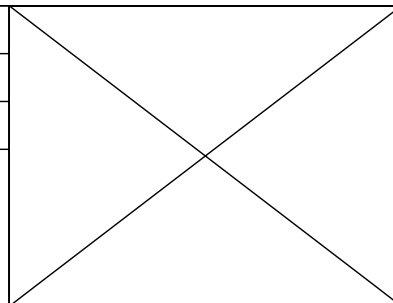
T2BM
T6AW
T6AL
T6Z
T4EG
T4BF
T8A
T6H
T6A
T4AX
T4A
T2A
T2F

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



A-9806 DECAL

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 ™ 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	

Data Sheet

Date: 6/19/2017

324TTTS18577

Customer: _____



Attention: _____

Submittal

Submitted by: FAREEDA DUDEKULA

Data @ 460 V

Motor Load Data

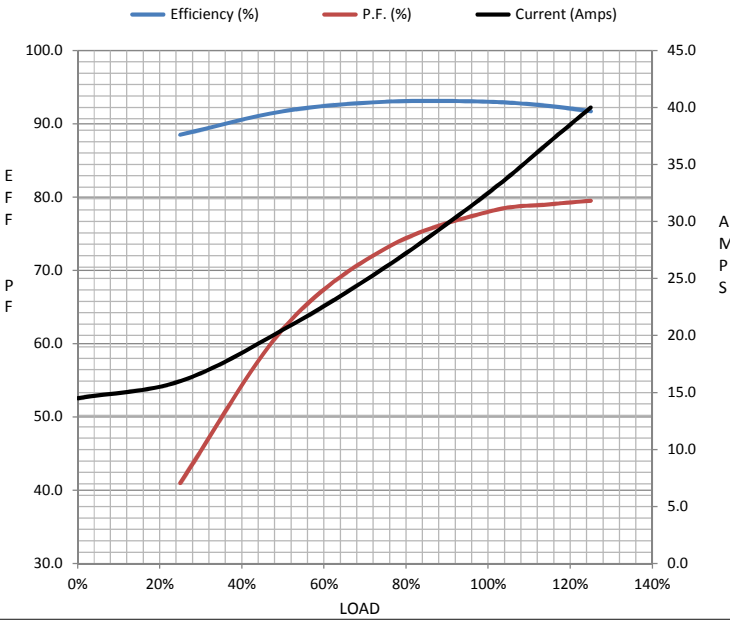
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	14.5	16.0	20.5	26.0	32.5	37.0	40.0	182
Torque (ft-lb)	0.00	27.5	55.0	83.5	112	128	140	165
RPM	1200	1195	1190	1188	1182	1,178	1175	0
Efficiency (%)		88.5	91.7	93.0	93.0	92.4	91.7	
P.F. (%)	4.5	41.0	62.0	73.0	78.0	79.0	79.5	28.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1100	1182	1200
Current (Amps)	182	168	110	32.5	14.5
Torque (ft-lb)	165	190	270	112	0.00

Information Block

HP	25.0
Sync. RPM	1200
Frame	324
Enclosure	TEAO
Construction	TTN
Voltage	460 V
Frequency	60 Hz
Design	B
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	0 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk ²	8.4 Lb-Ft ²
Ref Wdg	324691 NONE
Sound Pressure @ 1M	999 dBA
VFD Rating	VARIABLE 20:1
Outline Dwg	B-SS301011-1300
Conn. Diag	A-EE7300T



Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1760	0.1360	1.0460	1.3050	18.1150

Speed -Torque Curve

