

PRODUCT INFORMATION PACKET

Model No: 184TTTS18578

Catalog No: S554

Other Purpose Motor, 2 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 184T Frame, TEAO



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Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	575 V
Current	2.4 A	Speed	1170 rpm
Service Factor	1.15	Phase	3
Efficiency	87.5 %	Power Factor	74
Duty	Continuous	Insulation Class	H
Design Code	B	KVA Code	J
Frame	184T	Enclosure	Totally Enclosed Air Over
Thermal Protection	No Protection	Ambient Temperature	90 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
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	7.25 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	13.74 in
Frame Length	6.75 in	Shaft Diameter	1.125 in
Shaft Extension	2.81 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	A-SS67889-675	Connection Drawing	A-EE7300T

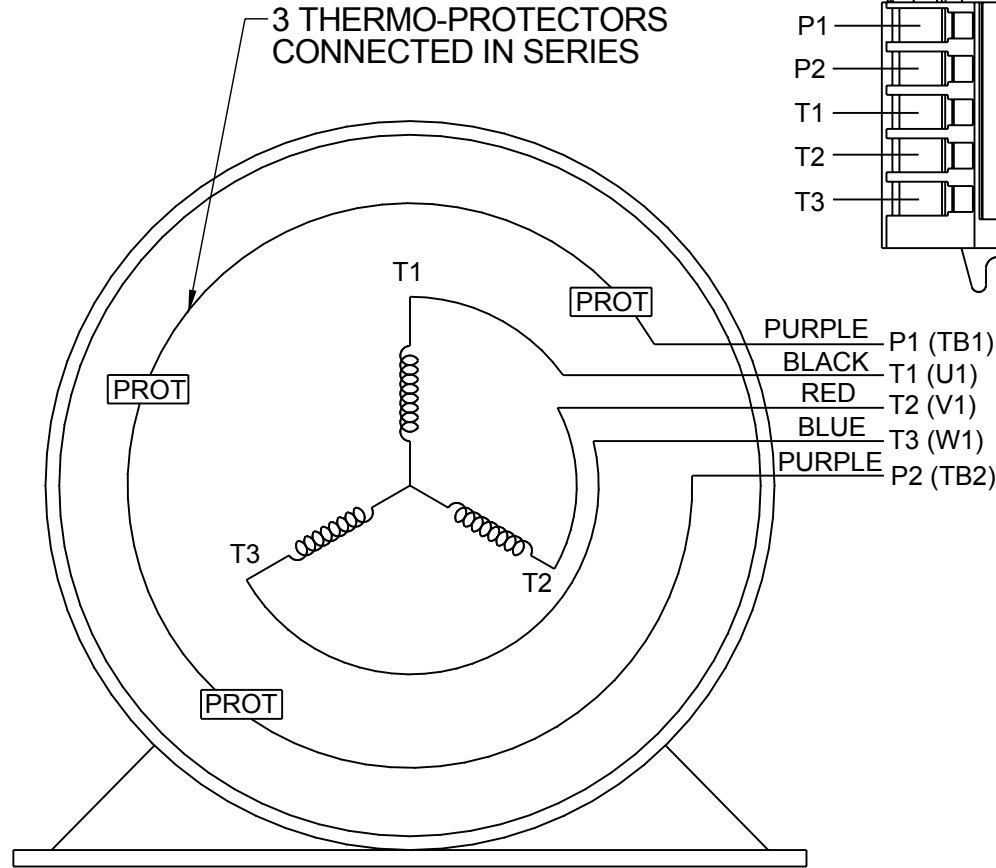
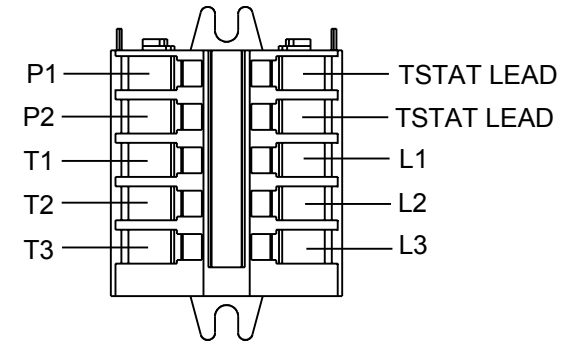
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**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**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**

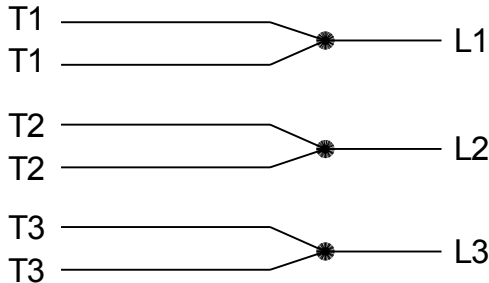
TERMINAL BLOCK WHEN SPECIFIED



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

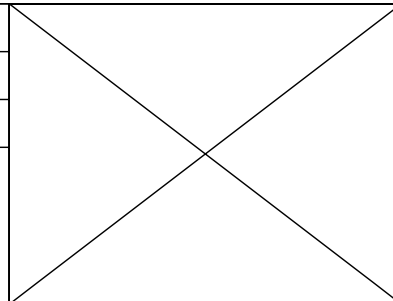
T2BM
T6AW
T6AL
T6Z
T4EG
T4BF
T8A
T6H
T6A
T4AX
T4A
T2A
T2F

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

Data Sheet

Date: 6/20/2017

184TTTS18578

Customer: _____



Attention: _____

Submittal

Submitted by: FAREEDA DUDEKULA

Data @ 575 V

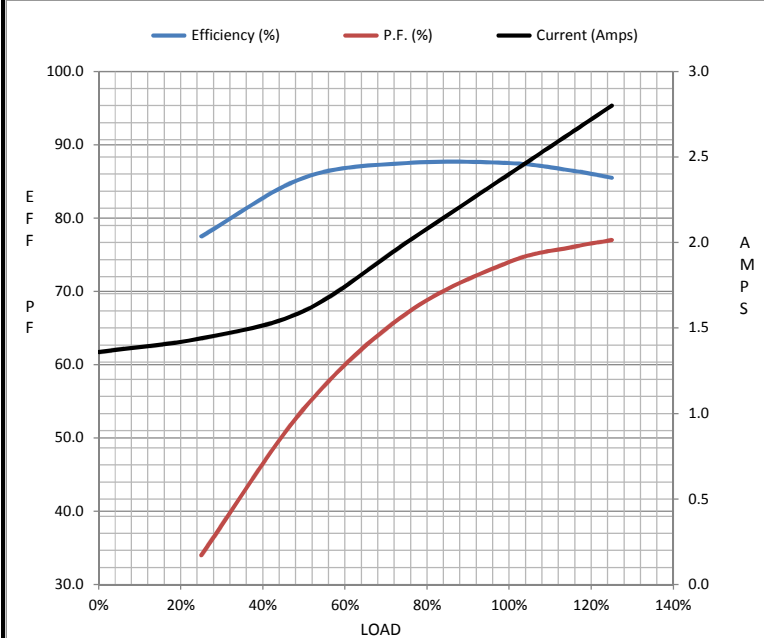
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.36	1.44	1.60	2.00	2.40	2.64	2.80	14.6
Torque (ft-lb)	0.00	2.20	4.5	6.7	9.0	10.5	11.4	15.5
RPM	1200	1192	1185	1178	1170	1,165	1160	0
Efficiency (%)		77.5	85.5	87.5	87.5	86.5	85.5	
P.F. (%)	7.0	34.0	54.0	67.0	74.0	76.0	77.0	45.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	450	975	1170	1200
Current (Amps)	14.6	13.2	8.8	2.40	1.36
Torque (ft-lb)	15.5	13.5	23.5	9.0	0.00

Information Block				
HP	2.0			
Sync. RPM	1200			
Frame	184			
Enclosure	TEAO			
Construction	TTS			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	0 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.40 Lb-Ft ²			
Ref Wdg	K184672 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	VARIABLE 20:1			
Outline Dwg	A-SS67889-675			
Conn. Diag	A-EE7300T			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
6.2790	3.9270	16.4410	18.7260	245.8380



Speed -Torque Curve

