

PRODUCT INFORMATION PACKET



Model No: 182TTGN12504
Catalog No: 182TTGN12504
2,3000,EPFC,182TCV,3/50/380

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Nameplate Specifications

Technical Specifications

Connection Drawing

A-EE7300T

Outline Drawing

NONE

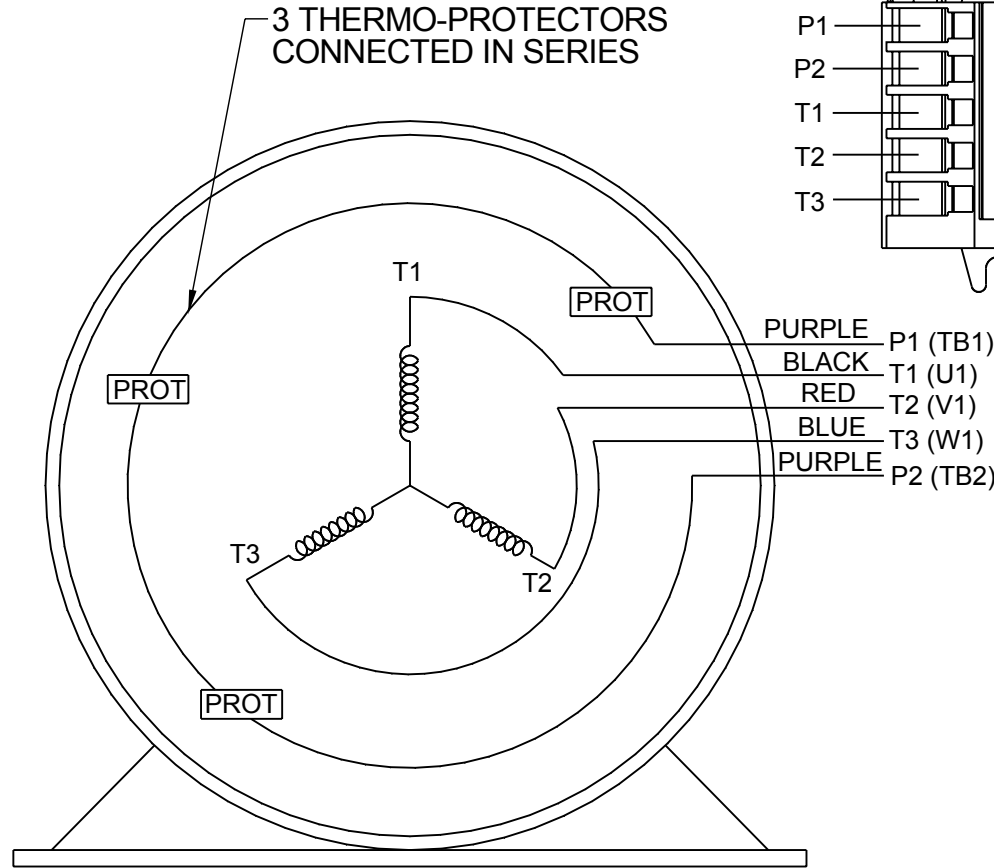
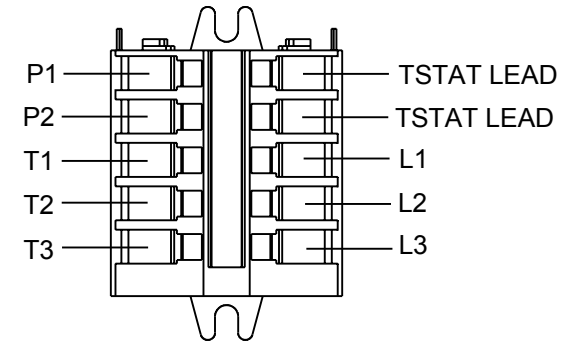
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**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**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**

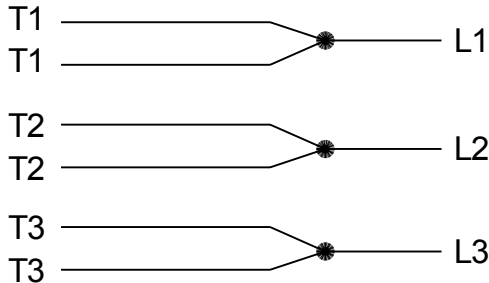
TERMINAL BLOCK WHEN SPECIFIED



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

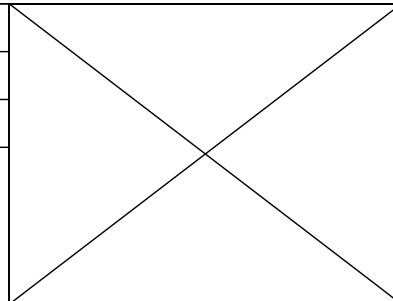
T2BM
T6AW
T6AL
T6Z
T4EG
T4BF
T8A
T6H
T6A
T4AX
T4A
T2A
T2F

**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	Regal Beloit America, Inc.
DATE 01-04-1994	
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-SINGLE VOLT-MOTOR WITH PROTECTOR
DATE 01-20-1994	MATERIAL
REFERENCE	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE A
	DRAWING NUMBER EE7300T
	SHEET 1 OF 1



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

DATA VOLTS: 380

CERTIFICATION DATA SHEET

CUSTOMER: _____
ORDER #: _____
CONN. DIAGRAM: A-EE7300T
OUTLINE: NONE
WINDING: K1822106 NONE 2
SPEED: _____

CUSTOMER P.O. #: _____
REFERENCE MODEL #: 182TGN12504
CAT #: #VALUE!
CUSTOMER PART #: _____
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
2	1.5	3000	2920	182TCV	EPFC	TFS	L	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	50	380	3	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	85.5	3/4 LD EFF	84.0	1/2 LD EFF	80.0	GTD EFF	82.5	ELECT. TYPE
F.L. PF	86.0	3/4 LD PF	83.0	1/2 LD PF	75.0	SQ CAGE INV RATED		

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
3.6 LB-FT	29.0	11.0 LB-FT	306%	14.5 LB-FT
			403%	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	APROX. MOTOR WGT
69 dBA	78 dBA	0.16 LB-FT ²	4 LB-FT ²	15 SEC.	2	70 LB.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	SHAFT UP	PREMIUM SEVERE DUTY	DIV 1 EXP PROOF CL 1 GR D T3C	NO	NONE	BLUE - RAL 5003 (EPOXY)

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

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
2.391	2.11	6.65	3.824	184.985	0.080	ODE

* N O T E S *	INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: NONE	
	ENCODER: NONE	
	NONE	NONE PPR
	BRAKE: NONE	

PREPARED BY: _____	BRAKE: NONE	FT-LB: NA	VOLTAGE: NONE	HZ: _____
DATE: 12/13/2022	UL: NO LETTER - ALL BRANDS-UL LISTED AND CSA CERTIFIED DIV. 1 XP MOTORS			

FORM: 3531 REV. 4 2/27/06

Data Sheet

Date: 12/13/2022
 Customer: _____
 Attention: _____
 Submitted by: _____



182TTGN12504

Submittal

Data @ 380 V

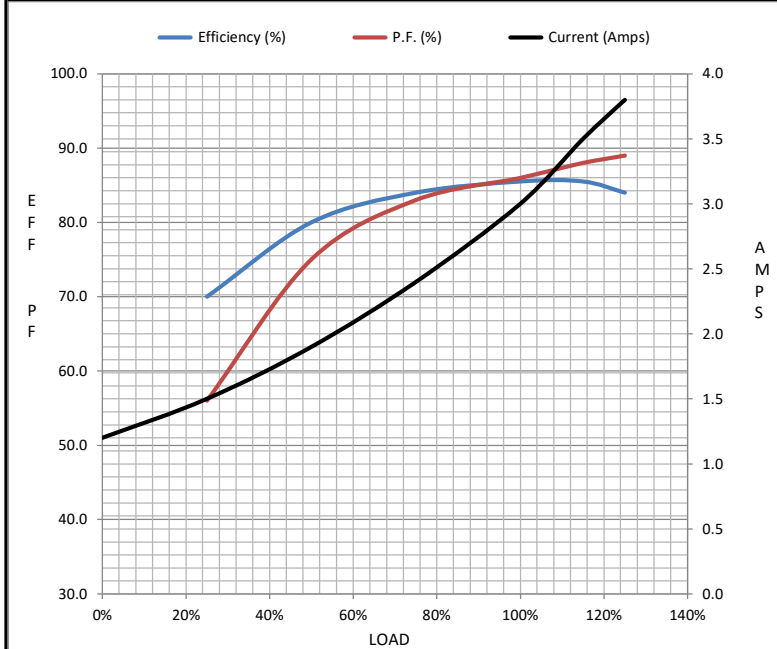
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.20	1.50	1.90	2.40	3.0	3.5	3.8	29.0
Torque (ft-lb)	0.00	0.90	1.80	2.70	3.6	4.2	4.5	11.0
RPM	3000	2975	2955	2940	2920	2,900	2890	0
Efficiency (%)		70.0	80.0	84.0	85.5	85.5	84.0	
P.F. (%)	15.0	56.0	75.0	83.0	86.0	88.0	89.0	54.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1200	2150	2920	3000
Current (Amps)	29.0	26.0	18.5	3.0	1.20
Torque (ft-lb)	11.0	9.5	14.5	3.6	0.00

Information Block				
HP	2.0			
Sync. RPM	3000			
Frame	182			
Enclosure	EPFC			
Construction	TFS			
Voltage	380 V			
Frequency	50 Hz			
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	40 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3,300 feet			
Rotor/Shaft wk ²	0.16 Lb-Ft ²			
Ref Wdg	K1822106 NONE			
Sound Pressure @ 1M	69 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg				
Conn. Diag	A-EE7300T			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
2.3910	2.1100	6.6500	3.8240	184.9850



Speed - Torque Curve

