

PRODUCT INFORMATION PACKET

Model No: 449THFS8048

Catalog No: Y533

Blue Max® Inverter Duty Encoder Motor, 350 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 449T Frame, TEBC-AXIAL



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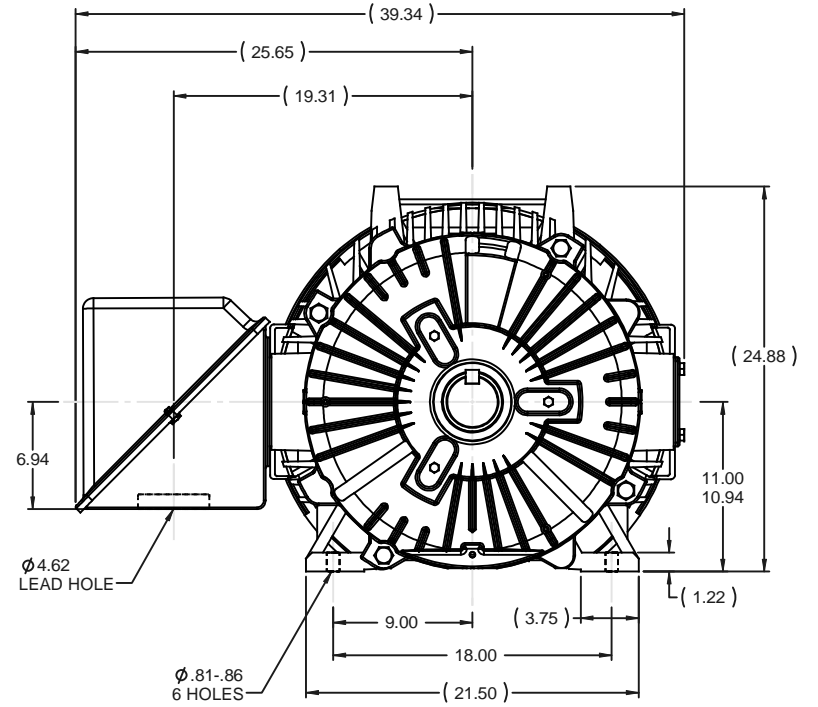
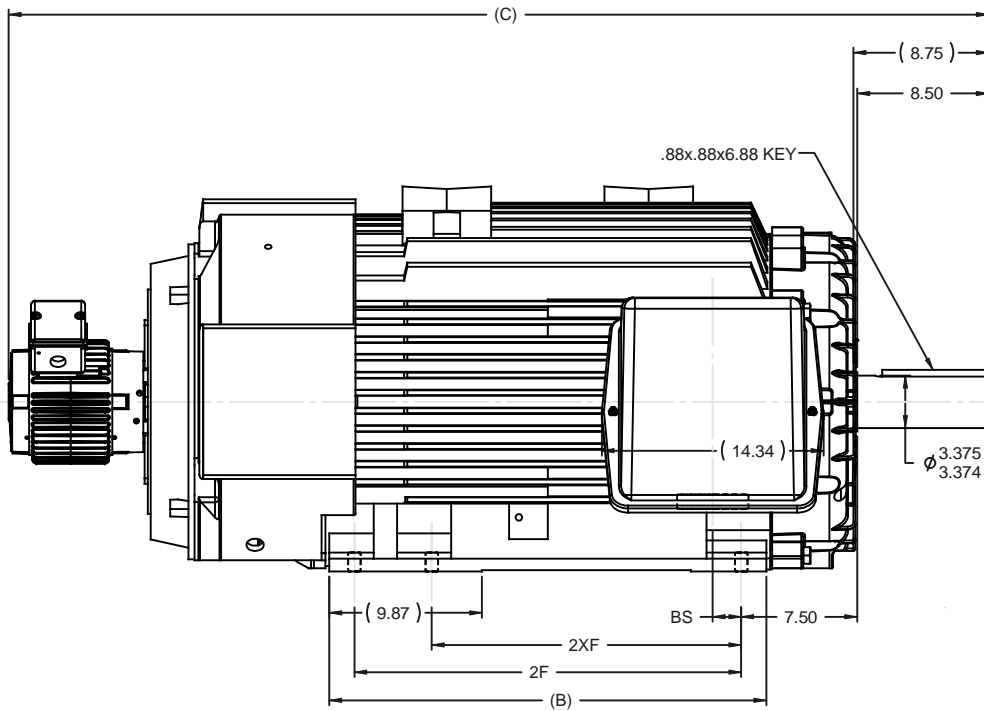
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Nameplate Specifications

Phase	3	Output HP	350 Hp
Output KW	260.0 kW	Voltage	460 V
Speed	1784 rpm	Service Factor	1
Frame	449T	Enclosure	Totally Enclosed Blower cooled - Axial
Thermal Protection	Thermostat	Efficiency	95.4 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	385.0 A	Power Factor	90
Duty	Continuous	Insulation Class	H
Design Code	INV	KVA Code	H
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6318
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.0085 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	63.34 in
Frame Length	28.75 in	Shaft Diameter	3.375 in
Shaft Extension	8.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 2000:1		
Connection Drawing	A-EE7300T	Outline Drawing	B-SS515608-2875



NOTES:

- 1- C'BOX CAN BE ROTATED IN 90° STEPS.
- 2- NAMEPLATES TO BE READ FROM C'BOX SIDE OF MOTOR.

DASH	FRAME	B	C	2F	2XF	BS
2875	447T	28.25	63.34		20.00	1.97
2875	449T	28.25	63.34	25.00		1.97

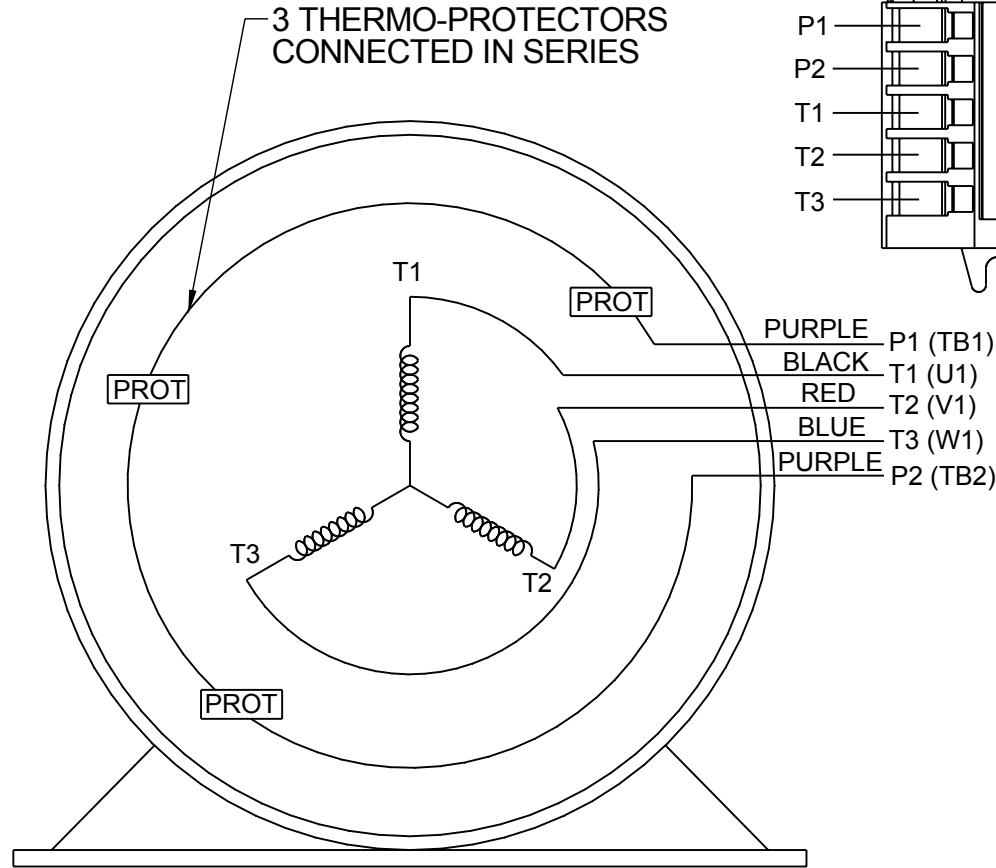
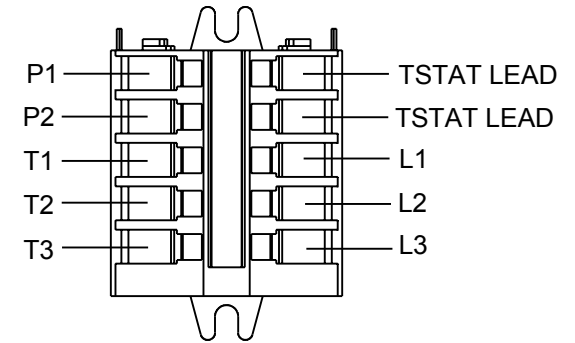
6	REMOVED BAFFLE CN 39113	DRS 07-22-2008	ML	TOLERANCES UNLESS SPECIFIED		DRAWN DJK 08-13-1996		
5	ADDED EXTERNAL BAFFLE CN 39113	DRS 06-22-2008	ML	DEC INCHES		CHK ML 08-13-1996		
4	UPDATED C'BOX GEOMETRY CN 28404	DRS 01-10-2003	JHL	x ±.1		APPR TB 08-14-1996		
3	BLOWER MOTOR ROTATED 90° C'BOX @ F3 CN 24459	PGK 07-09-1997	.XX	±.03		SCALE 1:8		
2	ADDED GROUND PADS & HOLES TO FRAME CN 21725-983	MH 04-30-1997	.XXX	±.005		REF		
1	NEW DRAWING MU10478	DJK 08-14-1996	.XXX	±.0005		FMF		
NO	REVISION	BY & DATE	CHK	ANG ±7'30"	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					CAD FILE SS515608	SIZE B	DRAWING NO SS515608	REV 6
					RFP			
					DIST WA			

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

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

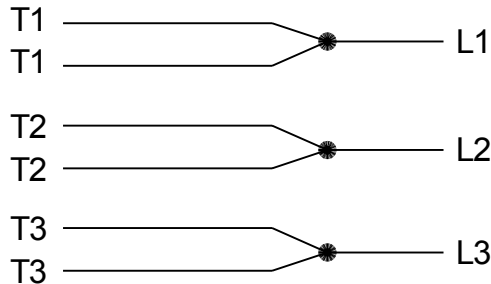
**NOTE FOR FACTORY USE ONLY:
TO SURGE TEST:
FOR 3 LEAD COMMON CONNECT:
CONNECT P1 TO T1 THEN P2 TO L1
FOR 6 LEAD COMMON CONNECT:
CONNECT P1 TO BOTH T1
THEN P2 TO L1**

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

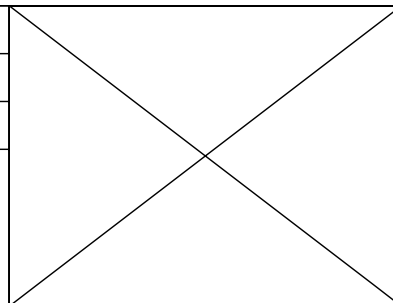
**IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S**



A-9806 DECAL

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

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	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7300T	SHEET 1 OF 1

NONE	NONE		
NONE FT-LB	NONE V	NONE Hz	

DATE: 06/21/2017 06:40:31 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

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



449THFS8048

Submittal

Data @ 460 V

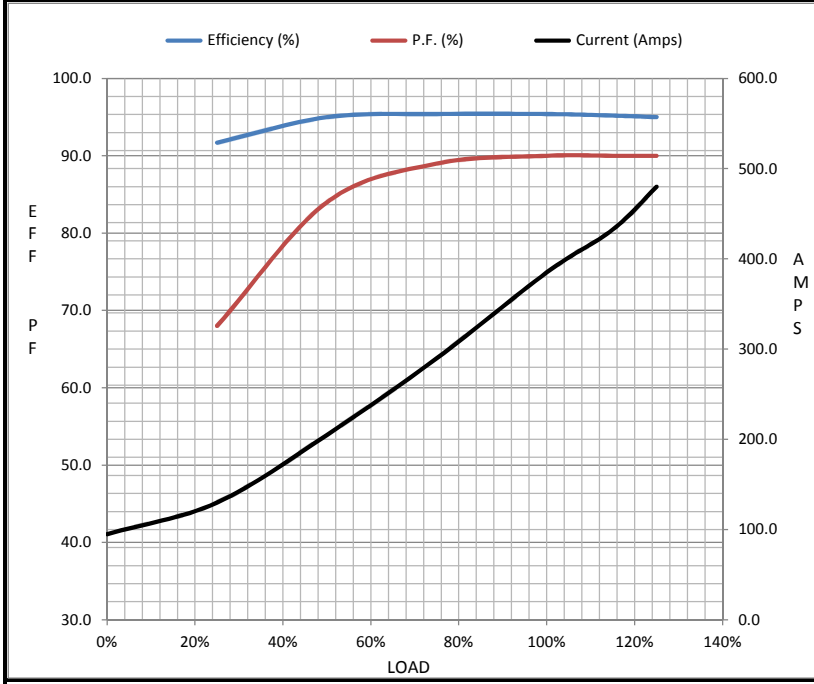
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	95.0	130	205	290	385	433	480	2,850
Torque (ft-lb)	0.00	256	512	770	1,030	1,160	1,290	1,445
RPM	1800	1796	1790	1788	1784	1,782	1778	0
Efficiency (%)		91.7	95.0	95.4	95.4	95.2	95.0	
P.F. (%)	7.5	68.0	84.0	89.0	90.0	90.0	90.0	25.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1715	1784	1800
Current (Amps)	2,850	2,700	1,450	385	95.0
Torque (ft-lb)	1,445	1,300	2,925	1,030	0.00

Information Block				
HP	350.0			
Sync. RPM	1800			
Frame	449			
Enclosure	TEBC			
Construction	TBN			
Voltage	460 V			
Frequency	60 Hz			
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	85 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	93.0 Lb-Ft ²			
Ref Wdg	T449462 NONE			
Sound Pressure @ 1M	88 dBA			
VFD Rating	CONSTANT 2000:1			
Outline Dwg	B-SS515608-2875			
Conn. Diag	A-EE7300T			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0070	0.0050	0.0760	0.0650	2.6360



Speed - Torque Curve

