

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 449TTFS8110
Catalog No: L449
200,900,TEFC,447/449T,3/60/460
Totally Enclosed Fan Cooled (TEFC)



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REGAL[®]



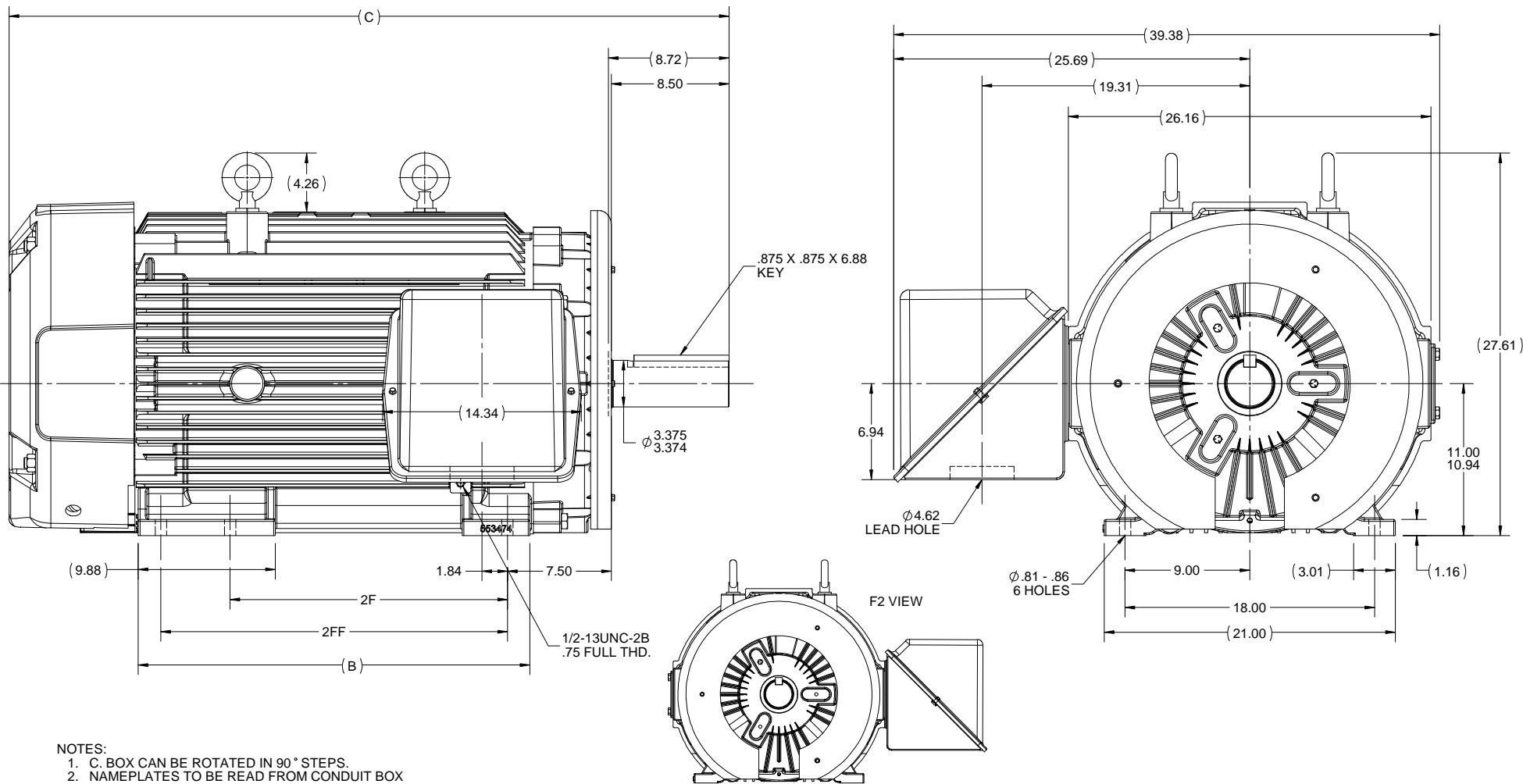
Nameplate Specifications

Output HP	200 Hp	Output KW	149.0 kW
Frequency	60 Hz	Voltage	460 V
Current	270.0 A	Speed	890 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Duty	Continous
Insulation Class	H	Design Code	B
KVA Code	G	Frame	447/449T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	NU322
Opp Drive End Bearing Size	6318	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

Technical Specifications

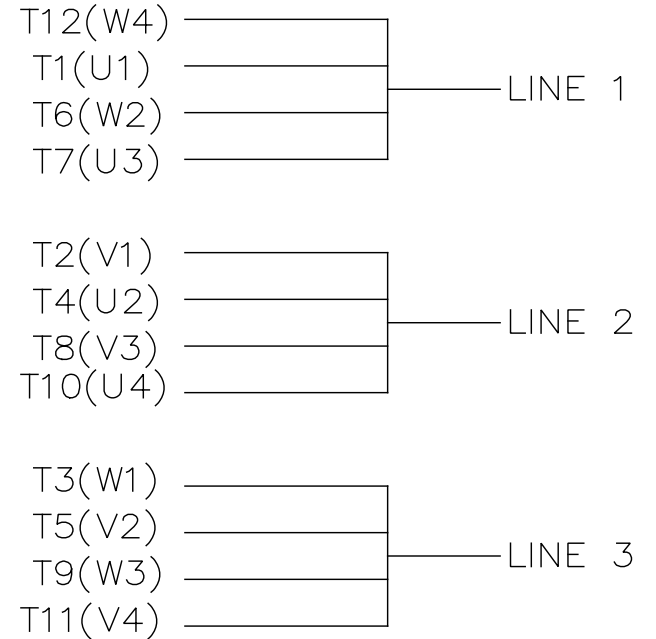
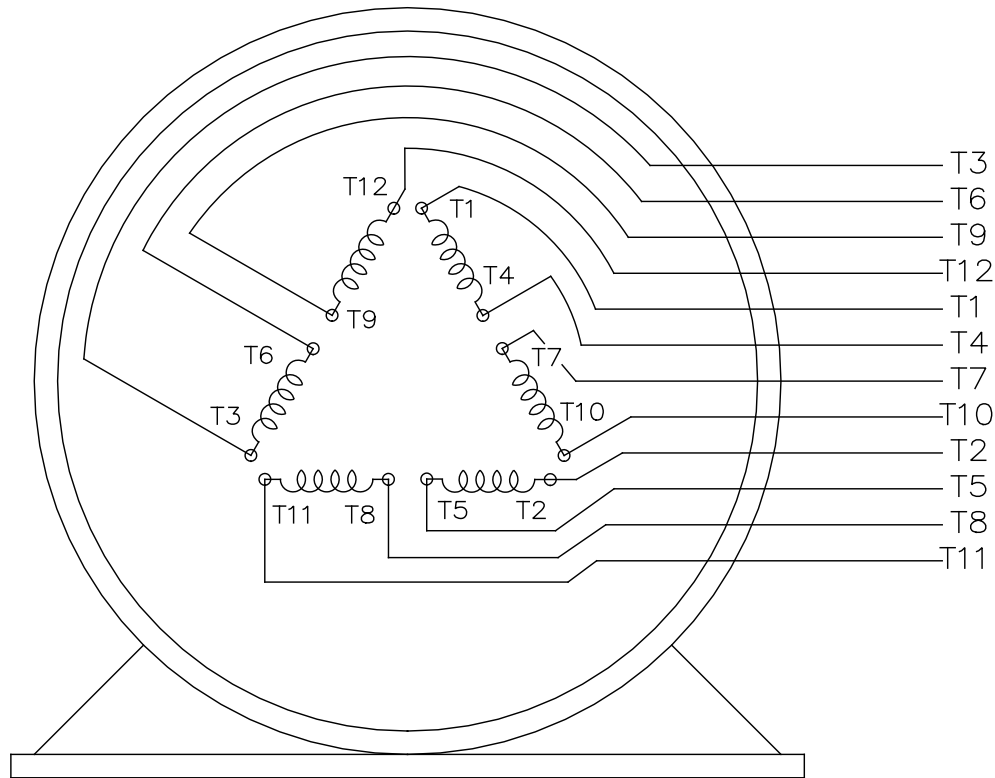
Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	8	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Roller	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	51.85 in	Frame Length	28.75 in
Shaft Diameter	3.375 in	Shaft Extension	8.73 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	B-SS519824-2875	Connection Diagram	A-EE7300BH

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

DRAWING REVISION C ECO ECO-0145276 ECO DESCRIPTION APPROVED BY JHA DATE 05-24-2018 DATE 05-24-2018 REVISION BY TRK DATE 05-24-2018 REVISION BY JHA DATE 05-24-2018 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 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 INCH mm 5.1 mm SHOWN IN [BRACKETS] DRAWN BY HLB DATE 05-27-2003 APPROVED BY JES DATE 05-30-2003 REFERENCE B-SS517520 THIRD ANGLE PROJECTION						REGAL™ Regal Beloit America, Inc.		DESCRIPTION OUTLINE 447/9T FR. - FLAT BRACKET - W/BAFFLE		MATERIAL B-SS517520 PROCESS/FINISH	
DASH	FRAME	B	C	2F	2FF	COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. (OWNER) AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.		SIZE B DRAWING NUMBER SS519824 SHEET 1 OF 1			
2875	447T	28.25	51.94	20.00	---						
2875	449T	28.25	51.94	---	25.00						



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		REGAL REGAL - BELOIT CORPORATION	DRAWN RJW 02-11-2005				
				DEC.	INCHES		CHK	ML	02-11-2005		
				.X	±.1		APPD	GK	02-11-2005		
				.XX	±.02	TITLE CONNECTION DIAGRAM		SCALE			
D	CHANGED TO REGAL TITLE BLOCK	ECO-0108299	WGJ 08/22/2016	EMH	.XXX ±.005	12 LEAD- SINGLE VOLTAGE		REF			
1	ADDED IEC TERMINAL MARKINGS	CN 41429	JJB 05/24/2007	ML	.XXXX ±.0005	MAT'L.		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						RFP 02-11-2005	CAD FILE ee7300bh	SIZE A	DRAWING NO. EE7300BH	PAGE OF	REV. C
						DIST LB					

Data Sheet

Date: 20-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



449TFS8110

Submittal

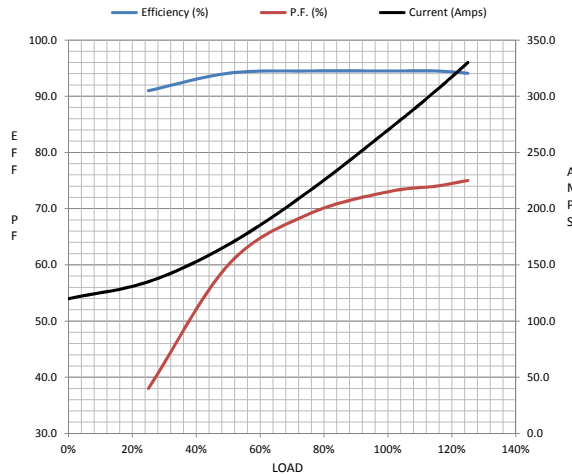
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	120	135	168	215	270	305	330	1,425
Torque (ft-lb)	0.00	293	587	882	1,180	1,359	1,480	1,650
RPM	900	898	896	894	890	888	886	0
Efficiency (%)		91.0	94.1	94.5	94.5	94.5	94.1	
P.F. (%)	3.5	38.0	60.0	69.0	73.0	74.0	75.0	25.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	450	865	890	900
Current (Amps)	1,425	1,350	800	270	120
Torque (ft-lb)	1,650	1,550	2,500	1,180	0.00



Information Block				
HP	200.0			
Sync. RPM	900			
Frame	449			
Enclosure	TEFC			
Construction	TFN			
Voltage	460#380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	80 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	144 Lb-Ft ²			
Ref Wdg	T449810 NONE			
Sound Pressure @ 1M	72 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS519824-2875			
Conn. Diag	A-EE7300BH			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0110	0.0110	0.1320	0.2130	2.0870

Speed -Torque Curve

