

PRODUCT INFORMATION PACKET

Model No: 447TTFC6683
Catalog No: Y854A
150,1200,TEFC,447T,3/60/460
Other Purpose



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Nameplate Specifications

Output HP	150 Hp	Output KW	112 kW
Frequency	60 Hz	Voltage	460 V
Current	170 A	Speed	1190 rpm
Service Factor	1.15	Phase	3
Efficiency	95.8 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	C
KVA Code	G	Frame	447T
Enclosure	TEFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	NU319
Opp Drive End Bearing Size	6317	UL	Recognized
CSA	Y	CE	Y
IP Code	55		

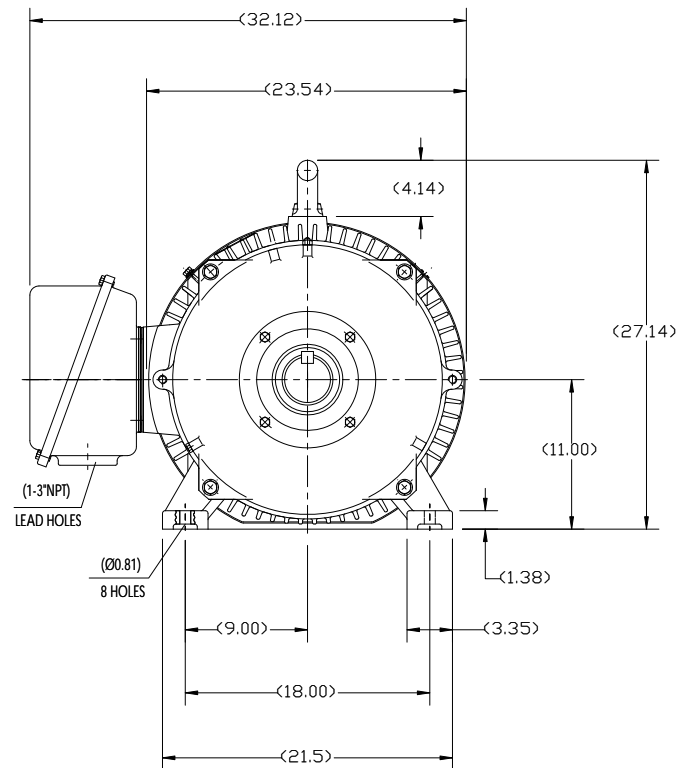
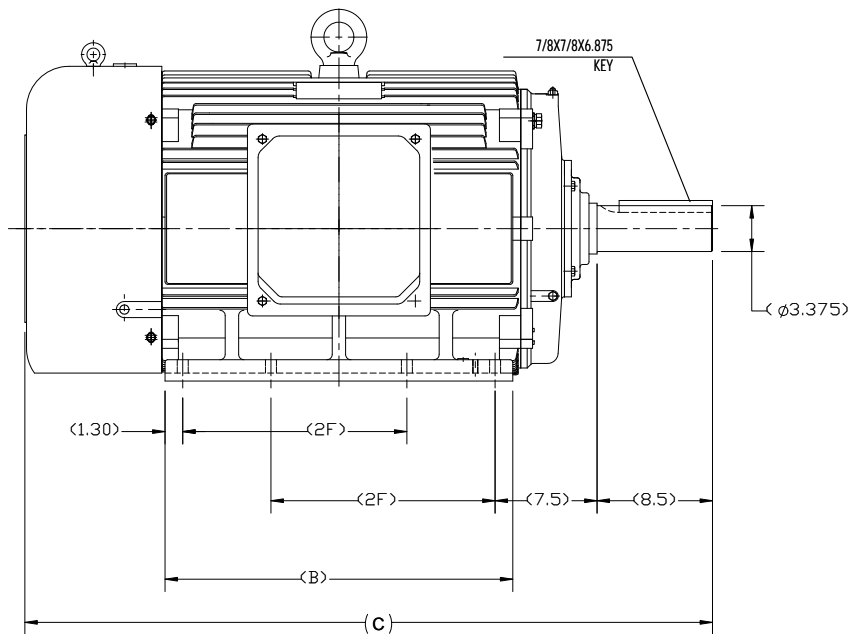
Technical Specifications

Electrical Type	SQ CAGE INV RATED	Starting Method	PWS & YDRUN OR INV
Poles	6	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	ROLLER	Opp Drive End Bearing	BALL
Frame Material	CAST IRON	Shaft Type	T
Overall Length	50.78 in	Shaft Diameter	3.38 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS620677	Connection Diagram	EE7300BH

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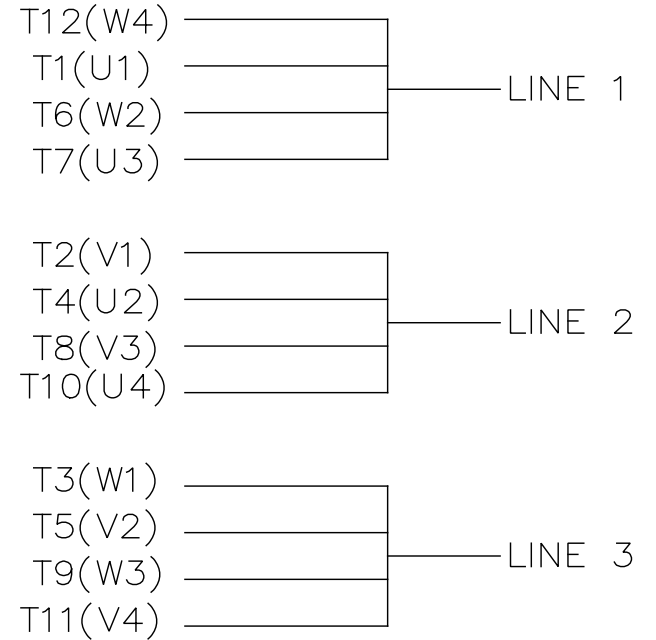
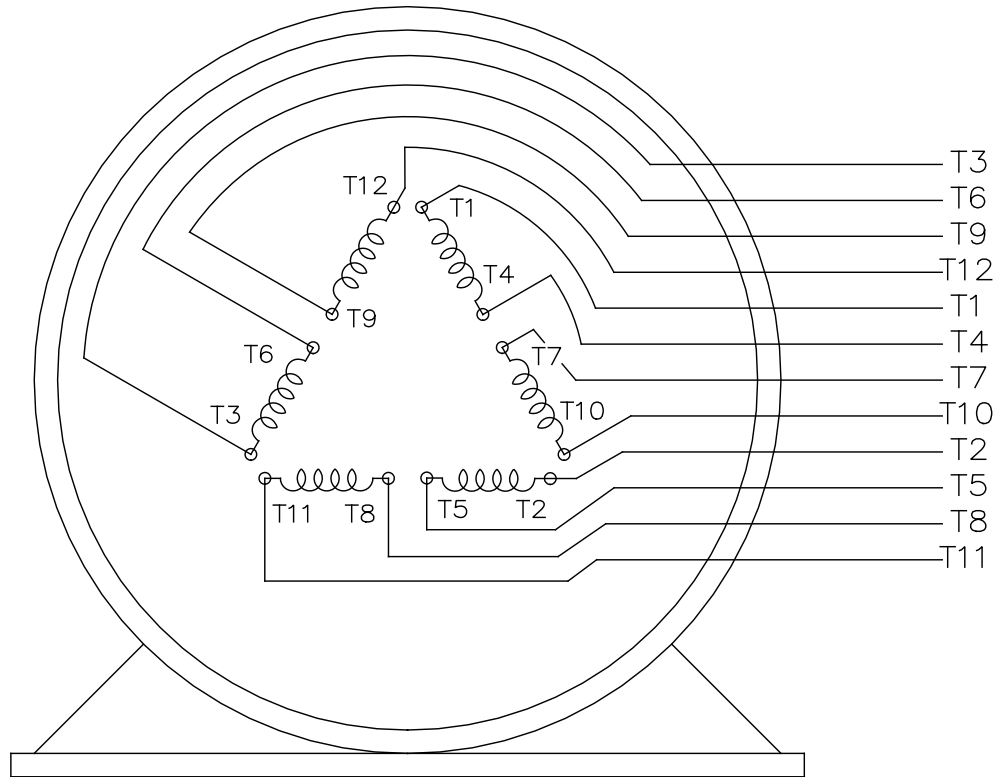
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A

A

DRAWING REVISION B		REVISION BY W. JOERGER		DATE 02-27-2017		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DRAWN BY ZYH		Regal Beloit America, Inc.	
ECO ECO-0118824		APPROVED BY E. HEIL		DATE 02-27-2017		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]		DATE 04-22-2012			
ECO DESCRIPTION REMOVED 447T/449T FRAME MOTORS <small>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.</small>						REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 / mm 5.1 / INCH		APPROVED BY WGH		DESCRIPTION OUTLINE 444T/445T FR-TEFC-CAST IRON-SEVERE DUTY	
444T	50.787	25.60	14.50	MATERIAL		PROCESS/FINISH		DATE 04-22-2012		DRAWING NUMBER SS620677	
445T	C	B	16.50	THIRD ANGLE PROJECTION		SIZE B		REFERENCE		SHEET 1 OF 1	
FRAME	C	B	2F	THIRD ANGLE PROJECTION		SIZE B		REFERENCE		SHEET 1 OF 1	
4		3		2		1					



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



447TTC6683

Submittal

Data @ 460 V

Motor Load Data

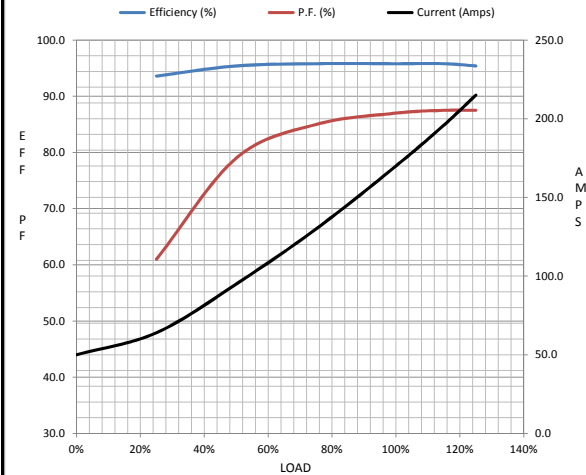
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	50.0	64.0	95.0	130	170	196	215	1,085
Torque (ft-lb)	0.00	165	330	495	662	760	830	1,375
RPM	1200	1198	1195	1192	1190	1,188	1185	0
Efficiency (%)		93.6	95.4	95.8	95.8	95.8	95.4	
P.F. (%)	6.5	61.0	79.0	85.0	87.0	87.5	87.5	32.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1150	1190	1200
Current (Amps)	1,085	950	575	170	50.0
Torque (ft-lb)	1,375	1,200	1,450	662	0.00

Information Block

HP	150.0			
Sync. RPM	1200			
Frame	449			
Enclosure	TEFC			
Construction	TFC			
Voltage	460#380 V			
Frequency	60 Hz			
Design	A			
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	135 Lb-Ft ²			
Ref Wdg	CHT44760004 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	SS620677			
Conn. Diag	EE7300BH			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0170	0.0120	0.1390	0.2720	5.2830



Speed -Torque Curve

