

PRODUCT INFORMATION PACKET

Model No: 145TTTN16632
Catalog No: E668A
2,1800,TENV,145T,3/60/575
Severe Duty



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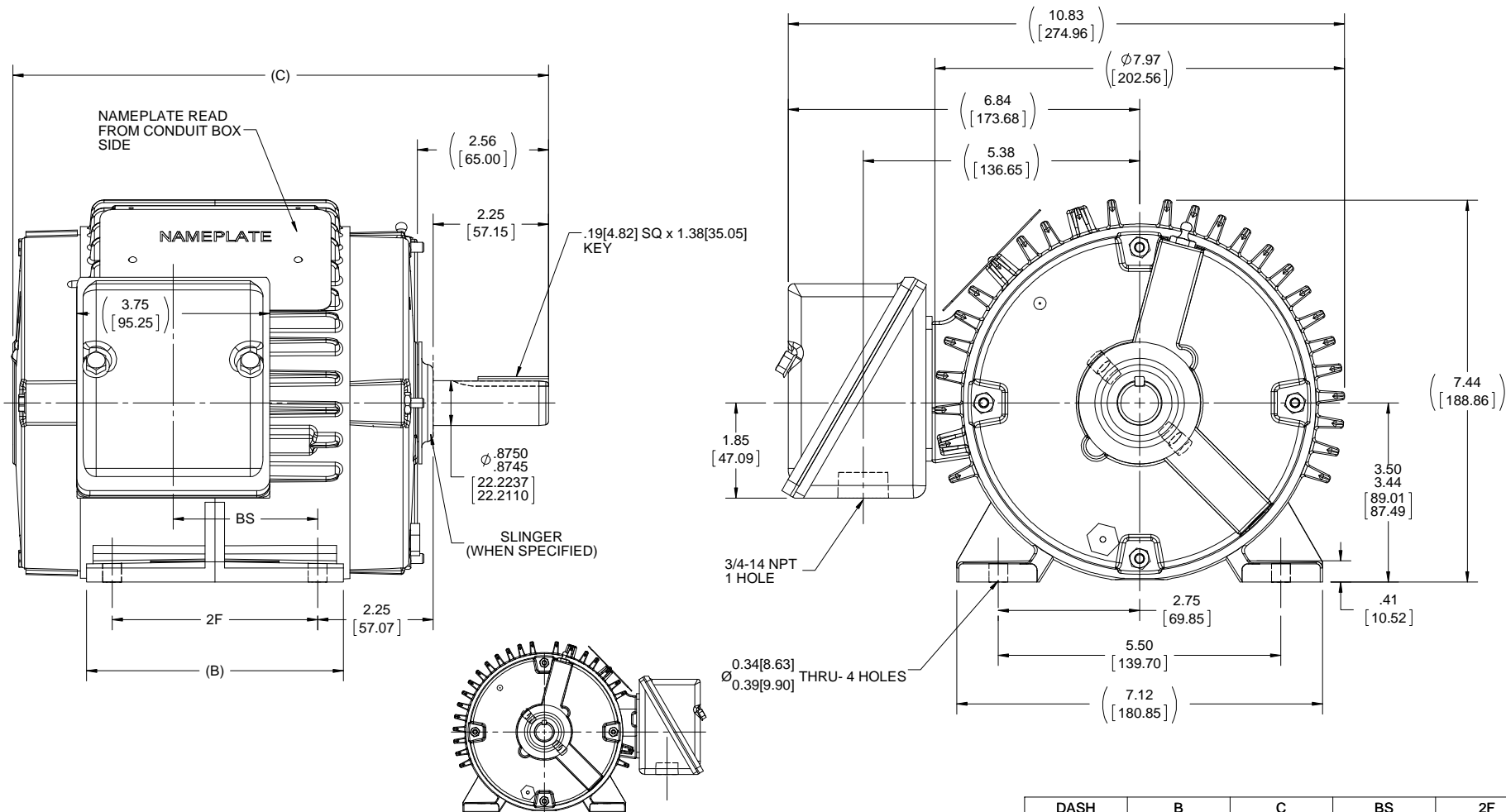
Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	575 V
Current	2.4 A	Speed	1740 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	N	Frame	145T
Enclosure	Totally Enclosed Non Ventilated	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	54		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	T
Overall Length	11.43 in	Frame Length	6.25 in
Shaft Diameter	0.875 in	Shaft Extension	2.56 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	A-100658-625	Connection Diagram	EE7300

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DASH	B	C	BS	2F
525	5.00 [127.00]	10.43 [264.92]	2.81 [71.37]	4.00 [101.60]
625	6.00 [152.4]	11.43 [29.32]	3.81 [96.77]	5.00 [127.00]

DRAWING REVISION C	REVISION BY H. ADIKE	DATE 06/25/2018	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] .XXX ±0.005 [+0.0127]
ECO ECO-0147607	APPROVED BY PST	DATE 06/25/2018	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]
ECO DESCRIPTION THE GREASE ZERK ROTATED TO 1 O'CLOCK POSITION <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>			

DRAWN BY RM	DATE 10/27/1992	APPROVED BY JA	DATE 11/02/1992	REFERENCE 100658	THIRD ANGLE PROJECTION
Regal Beloit America, Inc.		DESCRIPTION OUTLINE 140T FR. - BB- TS - TENV		MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER 100658	SHEET 1 OF 1			

NOTES:

1. BOX CAN BE ROTATED IN 90° STEPS.
2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. FRONT GREASE HOLE LOCATION SHOWN WITH HIDDEN LINES.

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

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

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**



A-9806 DECAL

**OPTIONAL CORD
CONNECTION**

- L1 _____ WHITE
- L2 _____ RED
- L3 _____ BLACK

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7300
SHEET 1 OF 1	



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER P.O. #:
 ORDER #: EE7308 REFERENCE MODEL #: 145TTN16632
 CONN. DIAGRAM: A-105546-750 CAT #: E386A
 OUTLINE: ZT4166 R1 3 CUSTOMER PART #:
 WINDING: MOUNTING: F1/F2 CAPABLE
 SPEED:
 TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
2	1.5	1800	1755	145T	TEFC	TEN	N	A

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	6/3&6.8/3.4	LINE OR INVERTER	CONT	F	1.15	40	3300
	F.L. EFF	86.5	3/4 LD EFF	85.5	1/2 LD EFF	82.5	GTD EFF	ELECT. TYPE	
	F.L. PF	72.0	3/4 LD PF	63.0	1/2 LD PF	50.0	84.0	SO CAGE INV BATED	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
6.0 LB-FT	30.0	24.5 LB-FT	408%	542%
				35

@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	START/SHOUR	MOTOR WGT
62 DBA	71 DBA	0.13 LB-FT ²	0 LB-FT ²	20 SEC.	2	69 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	UM SEVERE	DIVISION 272B	NO	NONE	BLUE (POWDER)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE BALL 6205	POLYREX EM	T	NONE	NONE	1144	STRESSPROOF (C-223)	CAST IRON

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	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
3.806	3.053	5.907	6.149	165.416	0.080	ODE

* N		INVERTER TORQUE: CONSTANT 20:1	
O	INV. HP SPEED RANGE: NONE		
T	ENCODER: NONE		
E	BRAKE: NONE		
S	FT-LB: NONE		
	VOLTAGE: NONE		
	HZ: NONE		

PREPARED BY: FAREEDA DUDEKULA
 DATE: 9/10/2018
 FORM: 3531 REV 4 2/27/06
 UL: V:INS, CONST UL REC

