

PRODUCT INFORMATION PACKET

Model No: 145TTTN16037

Catalog No: E302A

2 HP General Purpose Motor, 3 phase, 1800 RPM, 575 V, 145T Frame, TENV
Three Phase TENV Motors



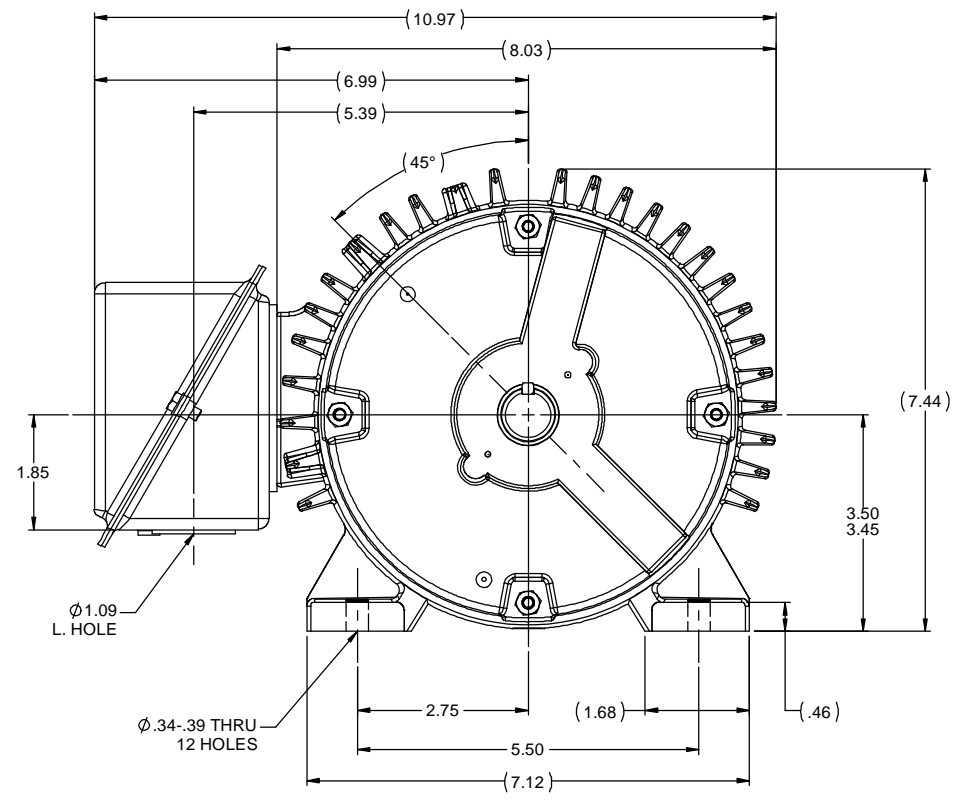
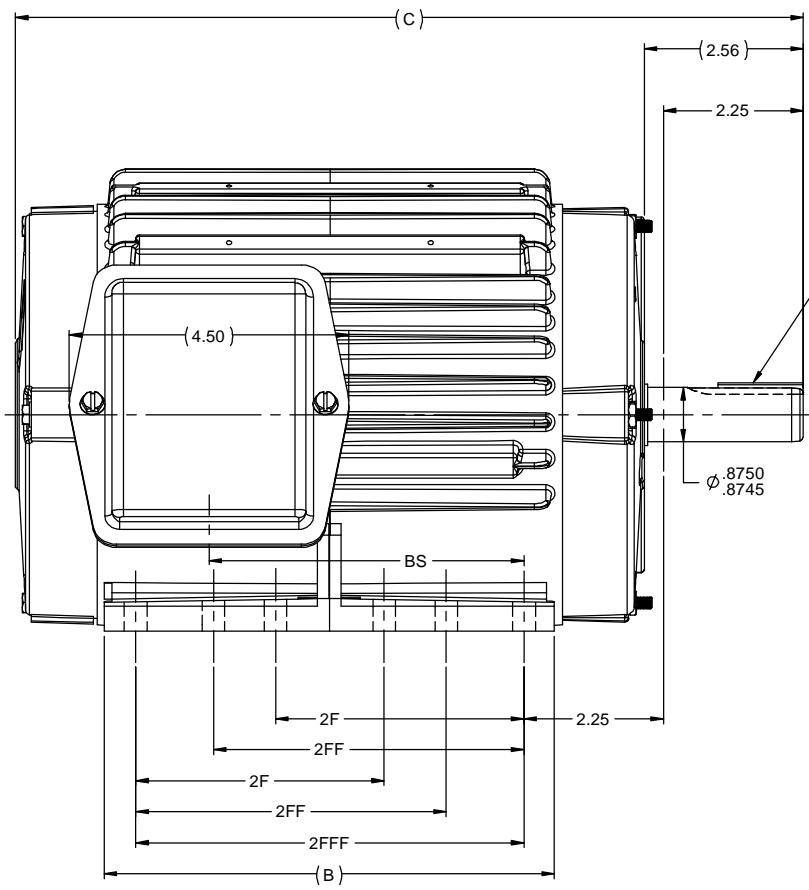
Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	575 V
Current	2.4 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	71
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	N
Frame	145T	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43


Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	6.58 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	12.68 in
Frame Length	7.50 in	Shaft Diameter	0.875 in
Shaft Extension	2.56 in	Assembly/Box Mounting	F2/F1 CAPABLE
Outline Drawing	B-107584-750	Connection Drawing	A-EE7300

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- NOTES:
1. BOX CAN BE RORATED IN 90 ° STEPS
 2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180 °
 3. NAMEPLATE READ FROM CONDUIT BOX SIDE OF MOTOR
 4. FRONT GREASE HOLE LOCATIONS SHOWN WITH HIDDEN LINES

		TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION		DRAWN SVL 06/29/2010	
		DEC	INCHES			CHK NB 06/29/2010	
		X	±.1	TITLE OUTLING		APPR SVL 06/29/2010	
		XX	±.03	140 FR. - BB - TS - TENV		SCALE 1:2	
		XXX	±.005	MATL		REF 100655	
1		UPDATED PER. ISAAC 11-4672	RFH 01/25/2012	RH	XXXX	±.0005	FMF MU6177
NO	REVISION		BY & DATE	CHK	ANG	±1/2°	PAGE OF
			THIRD ANGLE PROJECTION		RFP		PREV
			NETWORK FILE NAME		107584		SIZE
					DRAWING NO		REV
					107584		1

DASH	FR.	C	B	BS	2F	2FF	2FFF
750	143/5T	12.68	7.25	5.06	4.00	5.00	6.25

**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.		
DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1

Data Sheet

1481TTN16037

Date: 6/19/2017

Customer:

FAREEDA DUDEKULA



Attention:

FAREEDA DUDEKULA

Submital

Data @ 575 V

Submitted by:

FAREEDA DUDEKULA

Motor Load Data

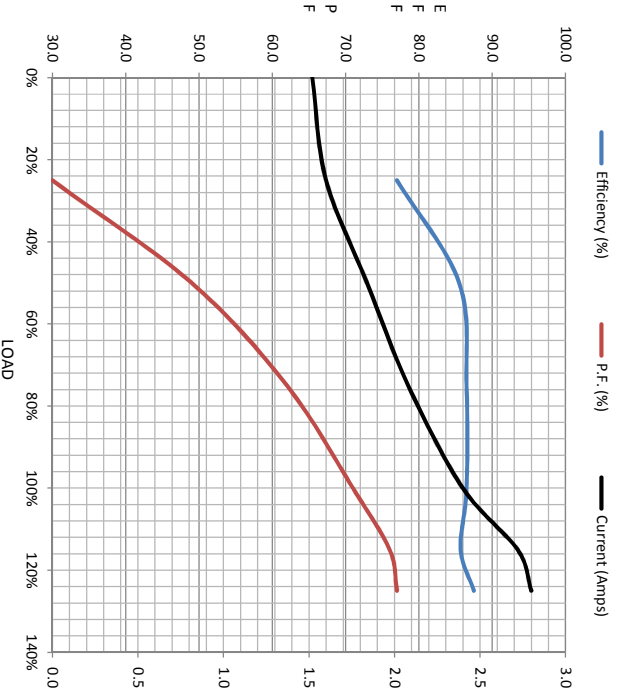
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.52	1.80	1.84	2.08	2.40	2.72	2.80	24.4
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.9	7.5	24.5
RPM	1800	1790	1780	1770	1760	1755	1750	0
Efficiency (%)		77.0	85.5	86.5	86.5	85.7	87.5	
P.F. (%)	7.0	30.0	49.0	62.0	71.0	76.0	77.0	71.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	115	1200	1760	1800
Current (Amps)	24.4	23.6	15.6	2.40	1.52
Torque (ft-lb)	24.5	23.7	33.2	6.0	0.00

Information Block

HP	2.0			
Sync. RPM	1800			
Frame	145			
Enclosure	TENV			
Construction	TTN			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	N			
Service Factor	1.0			
Temp Rise @ FL	90 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wkt	0.14 Lb-Fe			
Rel Wdg	Z14255 R10			
Sound Pressure @ 1M	62 dbA			
VFD Rating	NONE			
Outline Dwg	B-107584-750			
Conn. Diag	A-EE7300			
Additional Specifications:				
EQUIV CKT (OHMS/ PHASE)				
R1	R2	X1	X2	Xm
6.1900	4.7040	8.9860	9.2740	250.5410



Speed - Torque Curve

