

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 145TTTN16076
Catalog No: 145TTTN16076
1 HP General Purpose Motor, 3 phase, 1200 RPM, 230/460 V, 145T Frame, TENV
Three Phase TENV Motors



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REGAL



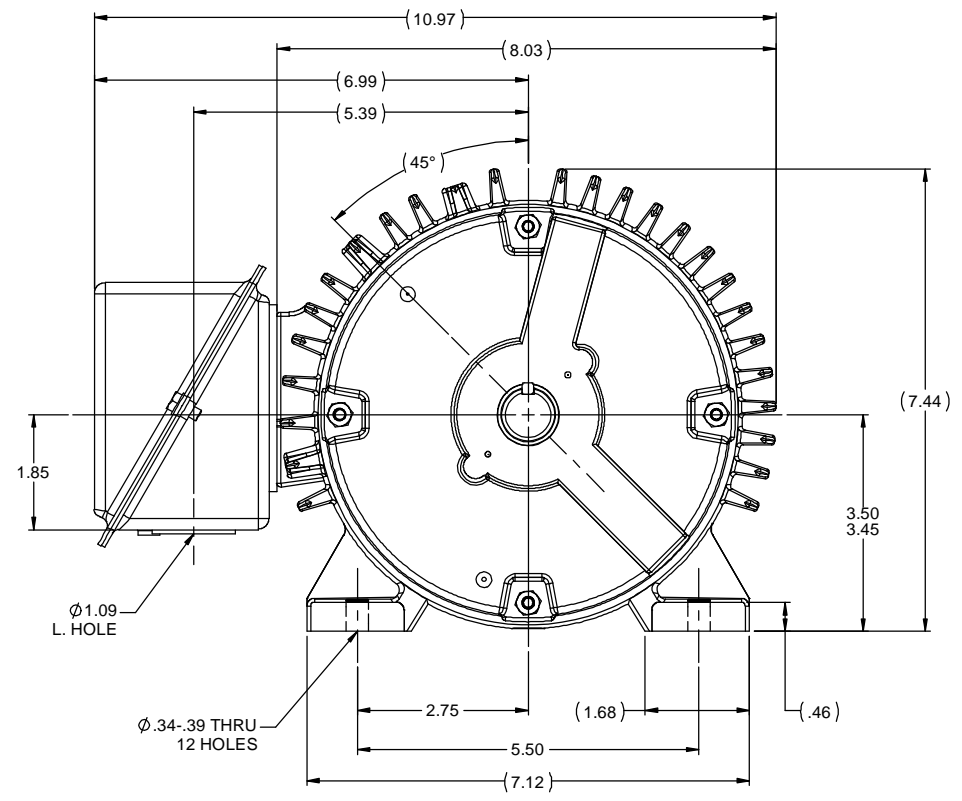
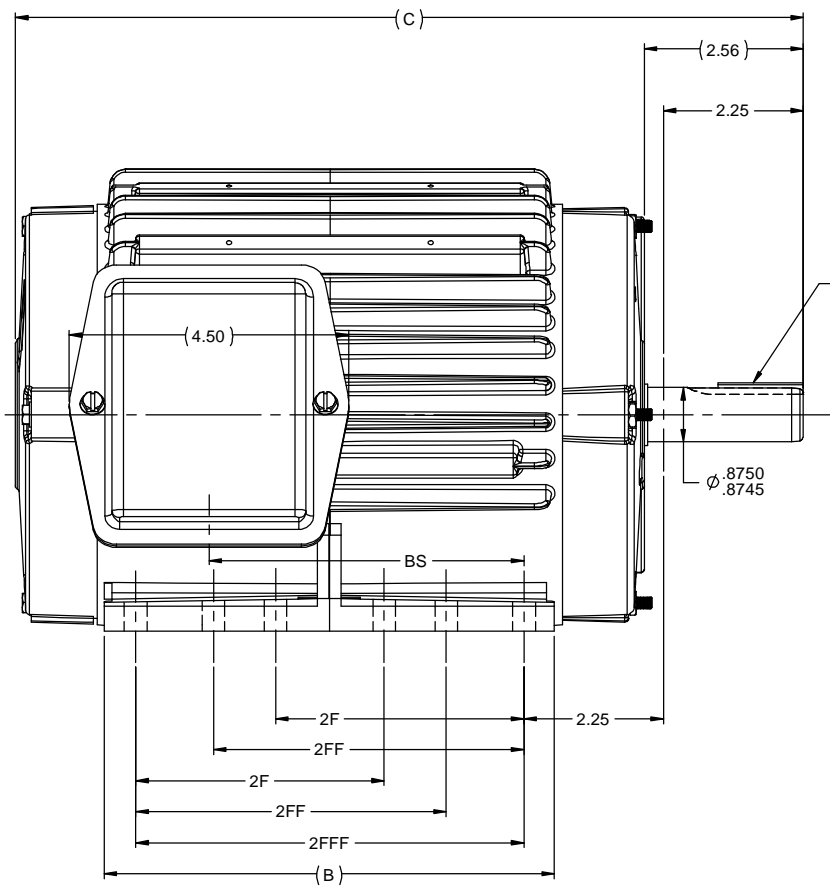
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60/50 Hz	Voltage	230/460 V
Current	3.5/1.8 A	Speed	1160 rpm
Service Factor	1.15	Phase	3
Efficiency	86.8 %	Power Factor	62
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
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 Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	0 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
Connection Drawing	A-EE7308	Outline Drawing	B-107584-750

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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			REF 100655
1	UPDATED PER. ISAAC 11-4672	RFH 01/25/2012	RH	XXXX	±.0005	MATL	FMF MU6177
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	PAGE OF
		THIRD ANGLE PROJECTION		RFP		PREV	SIZE DRAWING NO
				NETWORK FILE NAME 107584			B 107584
							REV 1

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

EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD
CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02			SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					



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