

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 254TTFL5004

Catalog No: M413

Other Purpose Motor, 15 & 12 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM,
254JM Frame, TEFC

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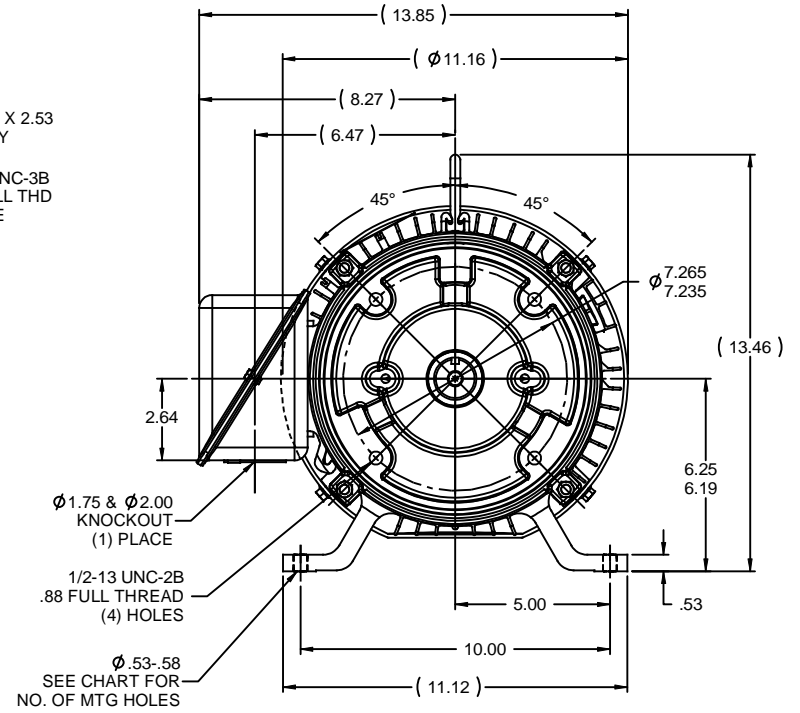
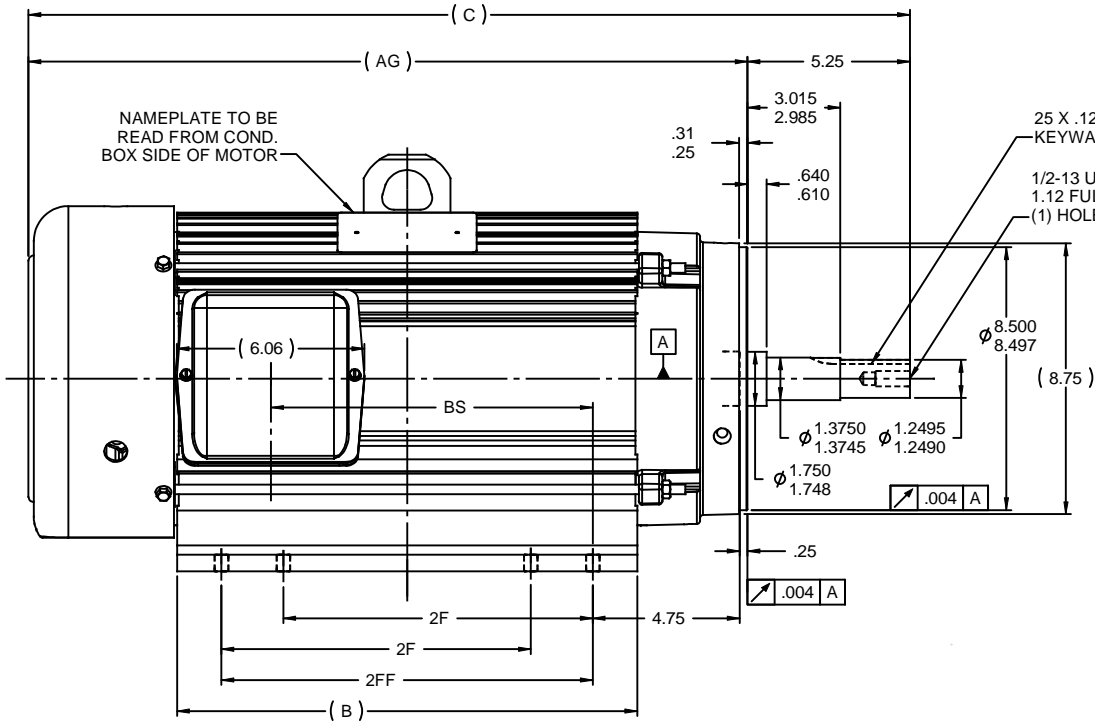
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	15 & 12 Hp
Output KW	11.2 & 9.0 kW	Voltage	208-230/460 & 190/380 V
Speed	3495 & 2915 rpm	Service Factor	1.15 & 1.15
Frame	254JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	85.5 & 84 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	41-36/18 & 36/18 A	Power Factor	90.8
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6207
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.915 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	JM	Overall Length	24.74 in
Frame Length	11.00 in	Shaft Diameter	1.250 in
Shaft Extension	5.28 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS330112-1100	Connection Drawing	A-EE7308



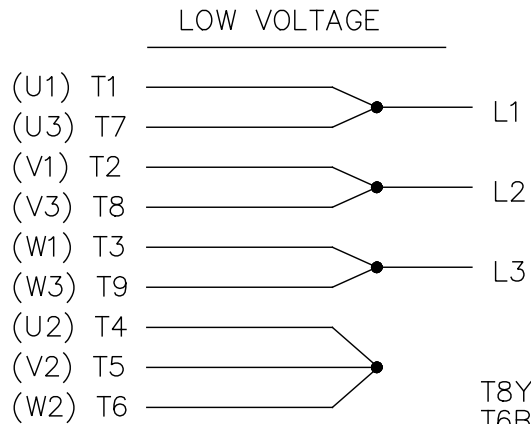
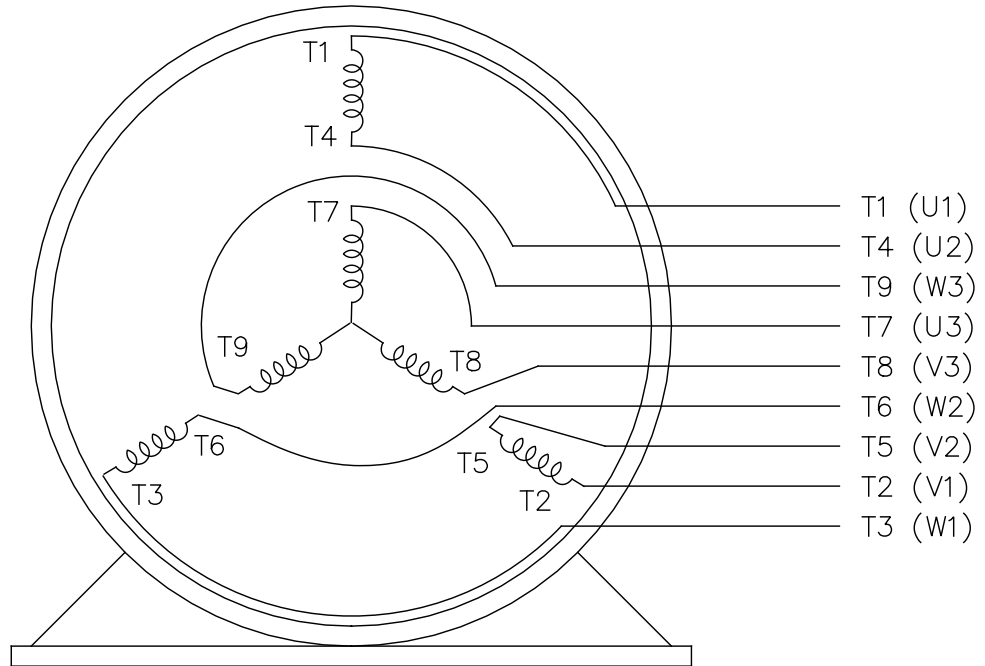
- NOTES:
 1) BOX CAN BE ROTATED IN 180° STEPS
 2) SEE CHART FOR F2 CAPABILITY. IF YES; BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°
 3) NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

DASH	FR.	C	B	2F	2FF	AG	BS	F1/F2	NO. OF MTG HOLES
1100	254	24.74	11.12	8.25	---	19.49	6.65	YES	4
1150	254	25.24	11.67	8.25	---	19.99	7.15	NO	4
1275	254/6	26.49	12.87	8.25	10.00	21.24	8.40	YES	8
1275A	256	26.49	12.87	10.00	---	21.24	8.40	YES	4
1325A	254	26.99	13.37	8.25	10.50	21.74	8.90	YES	8
1325A	256	26.99	13.37	10.00	---	21.74	8.90	NO	4
1475	256	28.49	14.87	10.00	---	23.24	10.40	YES	8

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN DRS 02-27-2006	
		DEC	INCHES	CHK	ML	ML 02-27-2006	
3	CLARIFIED DASH 1275 & 1325 MTG HOLES CN09-3560	TJW	9/18/2009	CTO	x	±.1	APPR BW 02-27-2006
2	REVISE THE DASH 1275 & 1325 ON CHART	RWR	12-26-2007	ML	xx	±.03	SCALE 1:4
1	RE-ISSUE - ADD 4/8 MTG. HOLES TO CHART AND RE-POSITION VIEWS SO TEXT CAN BE READ EASILY	RWR	07-11-2007	ML	xxx	±.005	REF SS84286
					xxxx	±.0005	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	02-27-2006	CAD FILE	SS330112	SIZE	DRAWING NO
		DIST	LB			B	SS330112
						REV 3	

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		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		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					



Regal Beloit America, Inc.

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 254TTFL5004

(Model No. may contain prefix and/or suffix characters)

Catalog No : M413

Rework No : N/A

Directives :

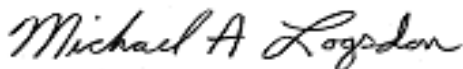
Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 12/29/2022

CE 22