

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 254TTFNA4076

Catalog No: U633

General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM,  
254T Frame, TEFC



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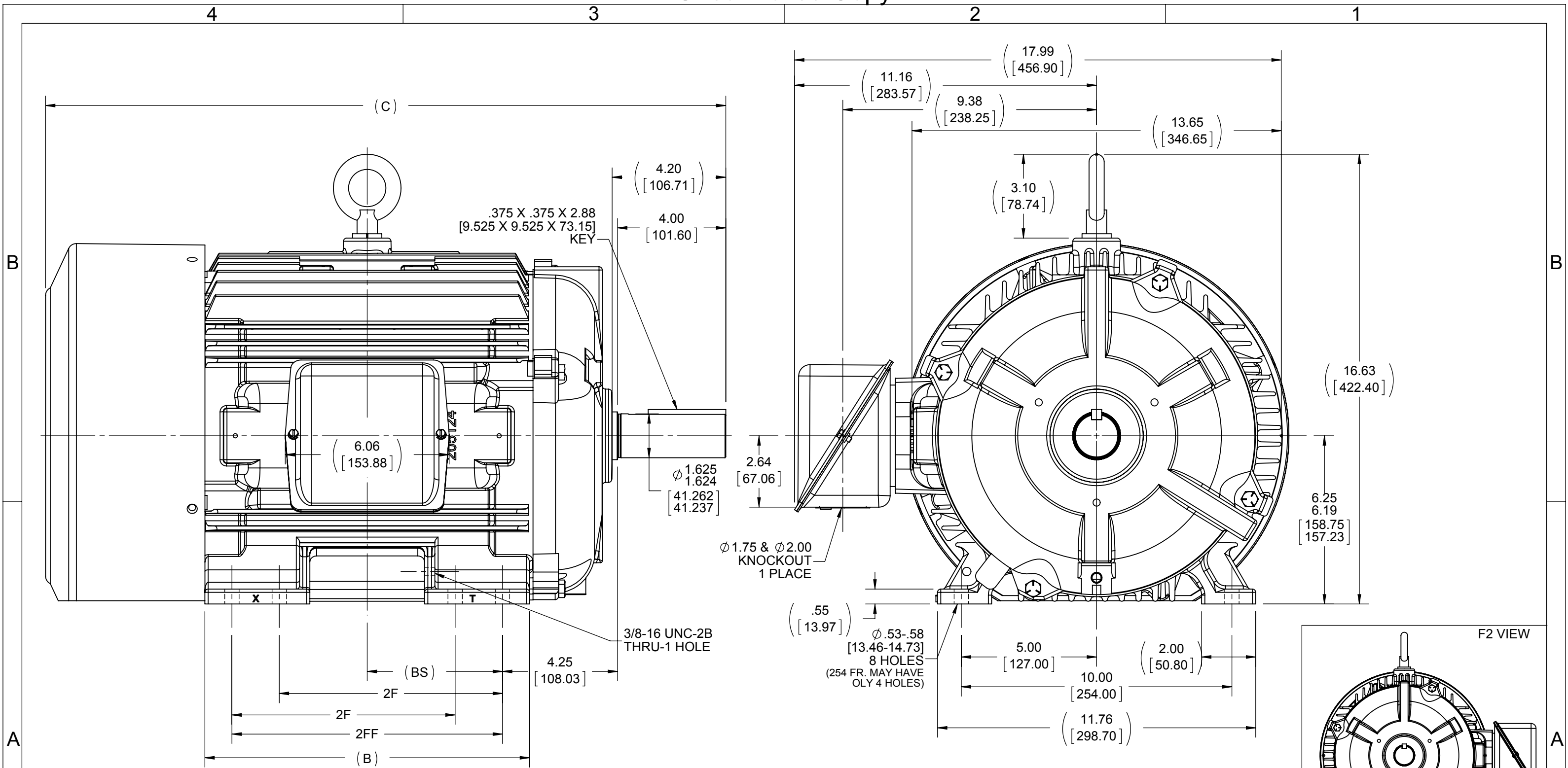
**RegalRexnord**

### Nameplate Specifications

Phase	3	Output HP	7.50 & 5 Hp
Output KW	5.6 & 3.7 kW	Voltage	230/460 & 190/380 V
Speed	1175 & 975 rpm	Service Factor	1.15 & 1.15
Frame	254T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 & 89.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	19.6/9.8 & 17/8.5 A	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	H
Drive End Bearing Size	309	Opp Drive End Bearing Size	210
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

### Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	1.31 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	23.52 in
Frame Length	10.50 in	Shaft Diameter	1.625 in
Shaft Extension	4.2 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308	Outline Drawing	B-SS203015-1050



- NOTES:
1. BOX CAN BE ROTATED ON ITS AXIS.
  2. 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	FRAME	B	C	2F	2FF	BS
1050	254T	10.25 [260.35]	23.52 [597.41]	-	8.25 [209.55]	4.12 [104.65]
1225	256T	12.00 [304.80]	25.27 [641.86]	8.25 [209.55]	10.00 [254.00]	5.00 [127.00]

DRAWING REVISION	REVISION BY	DATE
F	DF	7-7-14
ECO	APPROVED BY	DATE
ECO-0054340		
ECO DESCRIPTION		
NMR-0060600, MU117685		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:
DEC. INCH mm
.X ±0.1 [±2.5]
.XX ±0.03 [±0.76]
XXX ±0.005 [±0.127]
XXXX ±0.0005 [±0.0127]
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381]
CORNER FILLETS: .02 [51]
MACHINED SURFACES: 200 INCH 5.1 mm
mm SHOWN IN [BRACKETS]

DRAWN BY	D.FROEHLICH
DATE	7-2-14
APPROVED BY	TB
DATE	7-7-14
REFERENCE	
THIRD ANGLE PROJECTION	

REGAL	Regal Beloit America, Inc.
DESCRIPTION	OUTLINE 250T FR. - BB - TS - STD.
MATERIAL	
PROCESS/FINISH	
SIZE	B
DRAWING NUMBER	SS203015
SHEET	1 OF 1



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		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		REF	
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		FMF	
					±7'30"		PREV	
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