

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 256TTFL16076
Catalog No: E2120
10,1200,TEFC,256T,3/60/230/460
Totally Enclosed Fan Cooled (TEFC)



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REGAL[®]



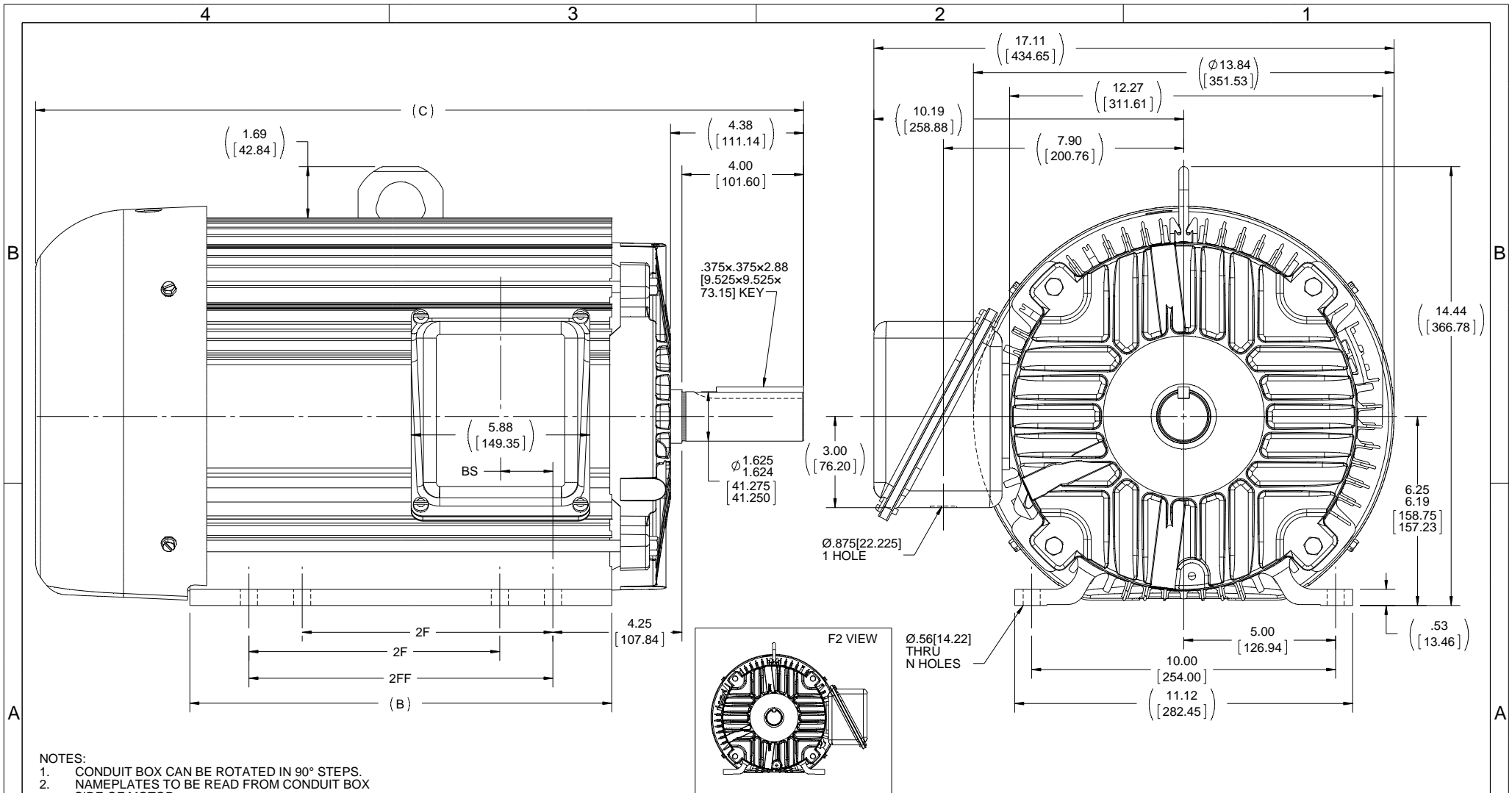
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	26.2/13.1 A	Speed	1176 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Frame	256T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6208	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
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Aluminum	Shaft Type	T
Overall Length	25.26 in	Frame Length	13.75 in
Shaft Diameter	1.625 in	Shaft Extension	4.38 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	B-SS321100-1375	Connection Diagram	A-EE7308

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- NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	C	B	2F	2FF	BS	N
1200	254T	23.51 [597.15]	12.13 [308.10]	8.25 [209.55]	-----	1.73 [43.94]	4
1375	254/6T	25.26 [641.60]	13.88 [352.55]	8.25 [209.55]	10.00 [254.00]	1.73 [43.94]	8

DRAWING REVISION C	REVISION BY AJW	DATE 04-16-2015
ECO-0075524	APPROVED BY JHA	DATE 04-16-2015
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC	INCH	mm	ANGLE
.XX	+0.1	[+2.5]	±7 30°
.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] X 45°			
CORNER FILLETS: R.02 [51]			
MACHINED SURFACES: 200			
		INCH	5.1
		mm	mm
mm SHOWN IN [BRACKETS]			

DRAWN BY RJW	DATE 02-01-2005
APPROVED BY BW	DATE 02-01-2005
REFERENCE	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.	
DESCRIPTION	OUTLINE 250T FR.-ALUM. FR.-TEFC
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS321100
	SHEET 1 OF 1

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				
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	CAD FILE ee7308	SIZE A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					



Regal Beloit America, Inc.

3Ø - DUAL VOLTAGE MOTOR

Data Sheet

256TFL16076



Submittal
Data @ 460 V

Date: 6/19/2017

Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

Motor Load Data

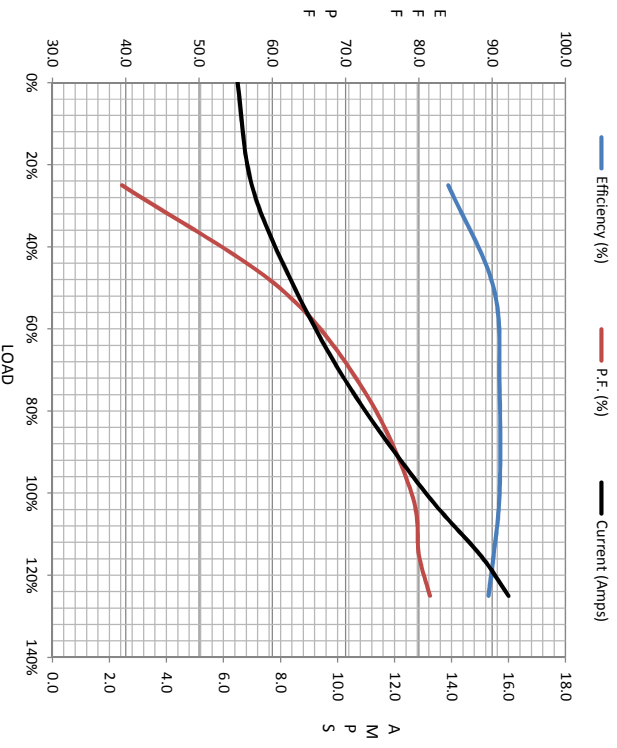
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	6.5	7.0	8.5	10.5	13.1	15.0	16.0	81.0
Torque (ft-lb)	0.00	11.0	22.0	33.5	44.7	51.0	56.0	92.0
RPM	1200	1195	1190	1180	1176	1170	1165	0
P.F. (%)	5.5	84.0	90.2	91.0	91.0	90.2	89.5	
		39.5	61.0	72.5	79.0	80.0	81.5	41.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	400	1055	1176	1200
Current (Amps)	81.0	78.0	53.5	13.1	6.5
Torque (ft-lb)	92.0	86.0	139	44.7	0.00

Information Block

HP	10.0
Sync. RPM	1200
Frame	256
Enclosure	TEFC
Construction	TFY
Voltage	30/460#190/38 V
Frequency	60 Hz
Design	B
LR Code letter	H
Service Factor	1.15
Temp Rise @ FL	40 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wkt	3.0 Lb-Fe
Rel Wdg	256674 R16
Sound Pressure @ 1M	56 dBA
VFD Rating	CONSTANT 10:1
Outline Dwg	B-SS321100-1375
Conn. Diag	A-EE7308
Additional Specifications:	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.5710	0.4910
X1	X2
2.2380	2.5130
Xm	Xm
	43.1680



Speed - Torque Curve

