

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 256TTFL14026

Catalog No: E965

Other Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,
256T Frame, TEFC



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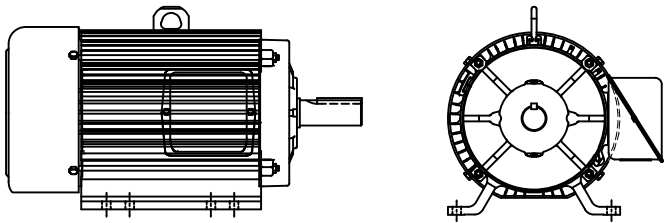
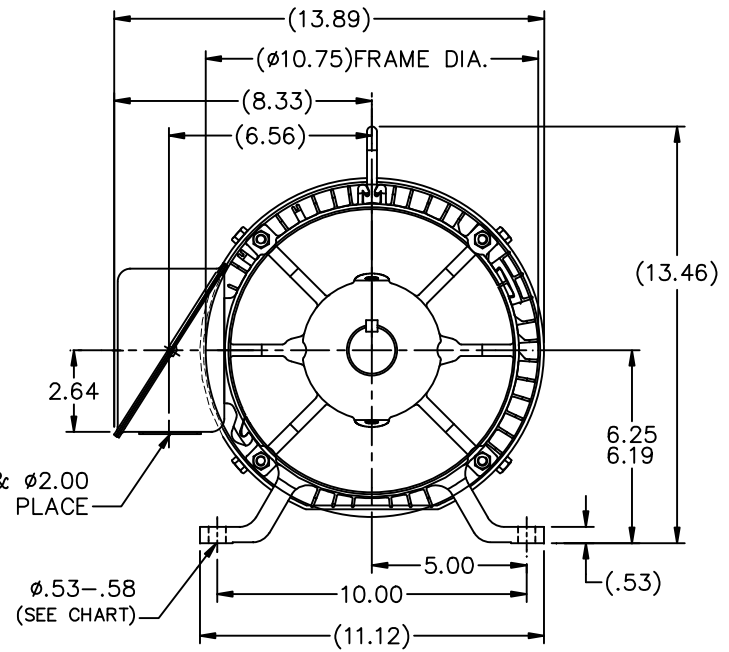
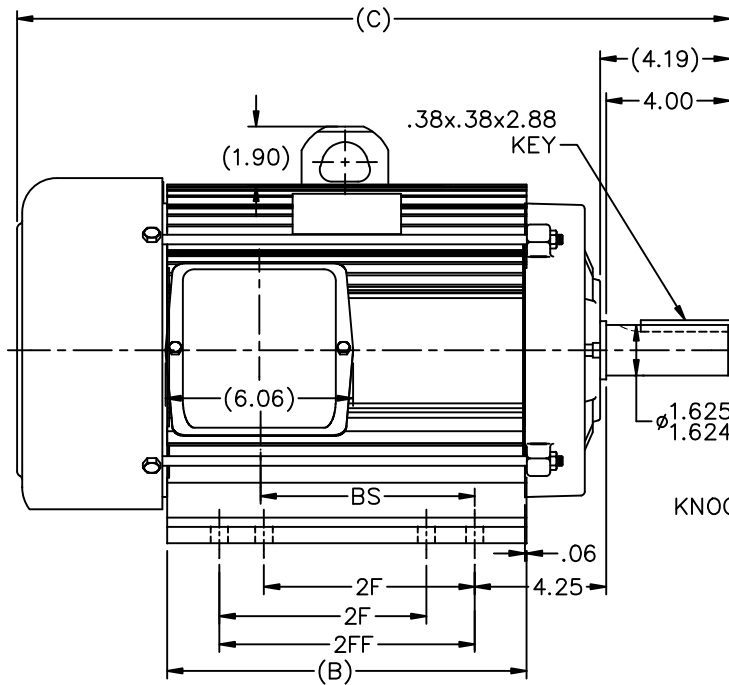
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	208-230/460 & 190/380 V
Speed	1750 & 1455 rpm	Service Factor	1.15 & 1.15
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	55-51/25.5 & 46/23 A	Power Factor	81
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	4	Rotation	Reversible
Resistance Main	.45 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	T	Overall Length	26.24 in
Frame Length	14.75 in	Shaft Diameter	1.630 in
Shaft Extension	4.19 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS330109-1475	Connection Drawing	A-EE7308



F2 CONDUIT BOX LOCATION

NOTES:

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

DASH	FRAME	B	C	2F	2FF	BS	F2 CAPABLE	NO. OF MTG. HOLES
1100	254T	11.12	22.49	8.25	-	6.46	NO	4
1150	254T	11.62	22.99	8.25	-	6.96	YES	4
1275	254T	12.87	24.24	8.25	-	8.21	NO	4
1275	254T	12.87	24.24	8.25	-	8.21	YES	8
1275	256T	12.87	24.24	10.00	-	8.21	NO	4
1325	254T	13.37	24.74	8.25	10.00	8.25	YES	8
1325	256T	13.37	24.74	10.00	-	8.71	YES	4
1375	256T	13.87	25.24	10.00	-	9.21	YES	4
1475	256T	14.87	26.24	10.00	-	10.21	YES	8

NO.	REVISION	BY & DATE	CHK	ANG	±7°30'	FINISH	PREV
8	REMOVED DIMENSION 9.50 FROM -1275 / 2FF	RJW 6/17/2008	ML	UNLESS SPECIFIED	TOLERANCES		
7	UPDATED DRAWING	RJW 04-12-2007	DEC.	INCHES			
6	REVISED DASH 1275 (2F) WAS 10.00 ECN8752 CN40215	RJW 06-21-2006	ML	.XX	±.1		
5	ADDED "2FF" COLUMN CN 40215	JJB 06/01/2006	ML	.XX	±.03		
4	-1475; '2F' DIMENSION WAS 12.00 CN 46434	DRS 05-08-2006	ML	.XXX	±.005		
3	REVISED DASH 1475 / 2F WAS 11.50 CN46368	RJW 02-14-2006	ML	.XXXX	±.0005		
TITLE OUTLINE		MARATHON ELECTRIC		DRAWN MJK 04-13-2005		CHK ML 08-18-2005	
210 FR.-254/56 MTG. ALUMINUM FR.-TEFC				SCALE 1=4		APPD CGD 08-18-2005	
MAT'L				REF		FMF	
RFP		CAD FILE ss330109		SIZE B		DRAWING NO. SS330109	
DIST LB				PAGE OF		REV. 8	

EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



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.

CERTIFICATION DATA SHEET

Model#: 256TTFL14026 AA
CONN. DIAGRAM: A-EE7308
OUTLINE: B-SS330109-1475

WINDING#: K2154348 NONE 1
ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

Table with 8 columns: HP, KW, SYNC. RPM, F.L. RPM, FRAME, ENCLOSURE, KVA CODE, DESIGN. Values include 20&15, 14.9&11.2, 1800, 1750&1455, 256T, TEFC, G, B.

Table with 10 columns: PH, Hz, VOLTS, FL AMPS, START TYPE, DUTY, INSL, S.F, AMB°C, ELEVATION. Values include 3, 60/50, 208-230/460#190/380, 55-51/25.5&46/23, ACROSS THE LINE, CONTINUOUS, F3, 1.15/1.15, 40, 3300.

Table with 6 columns: FULL LOAD EFF, 3/4 LOAD EFF, 1/2 LOAD EFF, GTD. EFF, ELEC. TYPE, NO LOAD AMPS. Values include 91&91, 91.7, 91, 89.5, SQ CAGE IND RUN, 20 / 10.

Table with 5 columns: F.L. TORQUE, LOCKED ROTOR AMPS, L.R. TORQUE, B.D. TORQUE, F.L. RISE°C. Values include 60 LB-FT, 290 / 145, 115 LB-FT 192, 150 LB-FT 250, 80.

Table with 7 columns: SOUND PRESSURE @ 3 FT., SOUND POWER, ROTOR WK^2, MAX. WK^2, SAFE STALL TIME, STARTS / HOUR, APPROX. MOTOR WGT. Values include 68 dBA, 78 dBA, 1.5 LB-FT^2, 110 LB-FT^2, 25 SEC., 2, 250 LBS.

*** SUPPLEMENTAL INFORMATION ***

Table with 9 columns: DE BRACKET TYPE, ODE BRACKET TYPE, MOUNT TYPE, ORIENTATION, SEVERE DUTY, HAZARDOUS LOCATION, DRIP COVER, SCREENS, PAINT. Values include STANDARD, RIGID, HORIZONTAL, FALSE, NONE, FALSE, NONE, BLUE (ENAMEL).

Table with 8 columns: BEARINGS (DE, OPE), GREASE, SHAFT TYPE, SPECIAL DE, SPECIAL ODE, SHAFT MATERIAL, FRAME MATERIAL. Values include BALL, BALL, POLYREX EM, T, NONE, NONE, 1045 HOT ROLLED (C-204), ALUMINUM.

Table with 7 columns: THERMO-PROTECTORS (THERMOSTATS, PROTECTORS, WDG RTDs, BRG RTDs), THERMISTORS, CONTROL, SPACE /n HEATERS. Values include NONE, NOT, NONE, NONE, NONE, FALSE, NONE VOLTS.

If Inverter equals NONE, contact factory for further information

*
N
O
T
E
S
*

Table with 3 sections: INVERTER TORQUE: NONE, INV. HP SPEED RANGE: NONE; ENCODER: NONE, NONE NONE, NONE NONE PPR; BRAKE: NONE NONE, NONE P/N NONE, NONE NONE, - FT-LB NONE V NONE Hz.

DATE: 06/23/2017 07:01:15 AM
FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 12/13/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



256TTFL14026

Submittal

Data @ 460 V

Motor Load Data

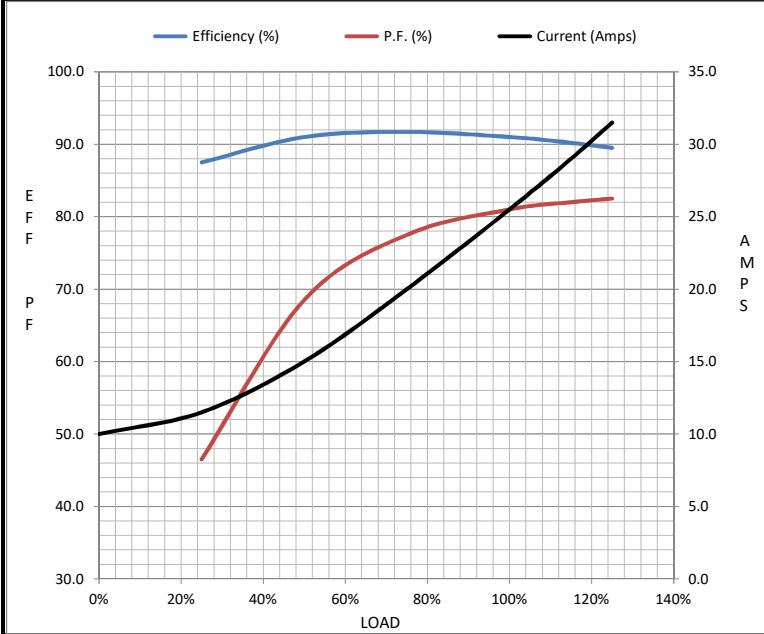
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	10.0	11.5	15.0	20.0	25.5	29.0	31.5	145
Torque (ft-lb)	0.00	14.8	29.5	44.5	60.0	69.0	75.5	115
RPM	1800	1790	1780	1765	1750	1,745	1735	0
Efficiency (%)		87.5	91.0	91.7	91.0	90.2	89.5	
P.F. (%)	5.5	46.5	68.5	77.5	81.0	82.0	82.5	40.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	750	1550	1750	1800
Current (Amps)	145	130	95.0	25.5	10.0
Torque (ft-lb)	115	115	150	60.0	0.00

Information Block

HP	20.0			
Sync. RPM	1800			
Frame	256			
Enclosure	TEFC			
Construction	TFL			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	80 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	1.50 Lb-Ft ²			
Ref Wdg	K2154348 NONE			
Sound Pressure @ 1M	68 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS330109-1475			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.2810	0.2660	1.0540	1.5620	22.4360



Speed -Torque Curve

