

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 143TTTC4026

Catalog No: E826

General Purpose Motor, 1 & 0.75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,
143T Frame, TENV



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RegalRexnord

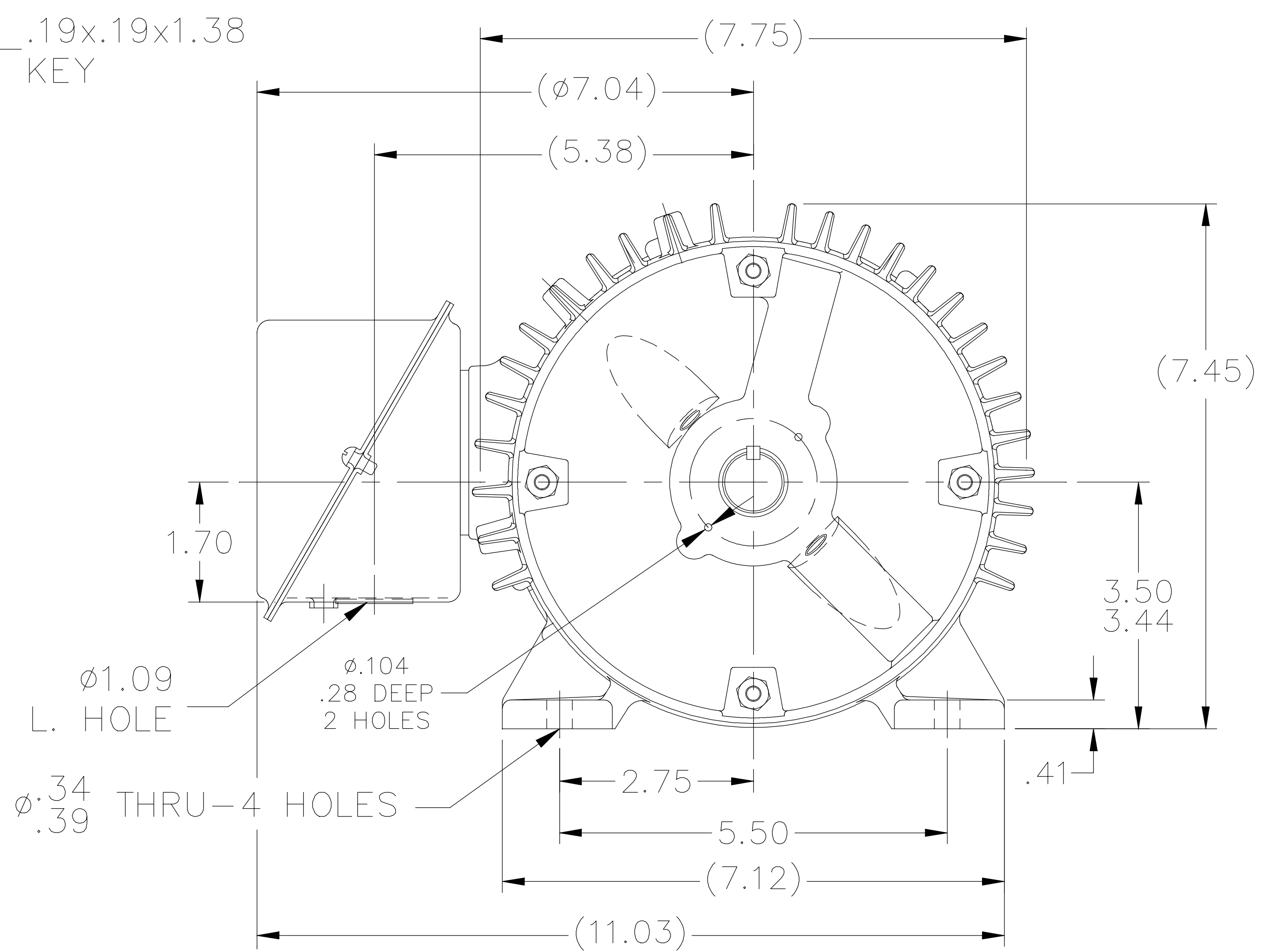
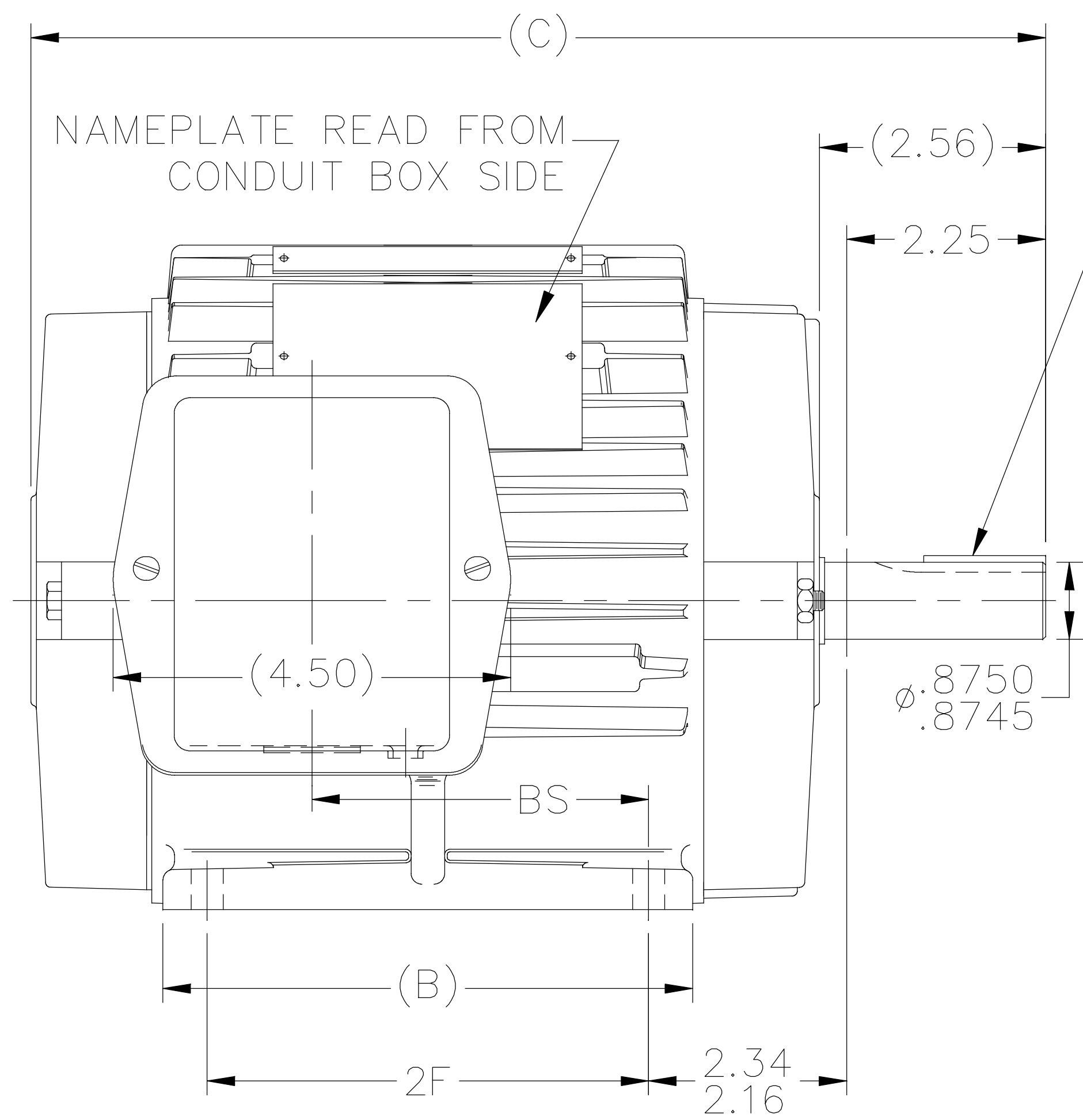
Nameplate Specifications

Phase	3	Output HP	1 & 0.75 Hp
Output KW	0.75 & 0.56 kW	Voltage	230/460 & 190/380 V
Speed	1750 & 1450 rpm	Service Factor	1.15 & 1.15
Frame	143T	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Efficiency	85.5 & 84 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	3.0/1.5 & 2.8/1.4 A	Power Factor	75
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	M
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

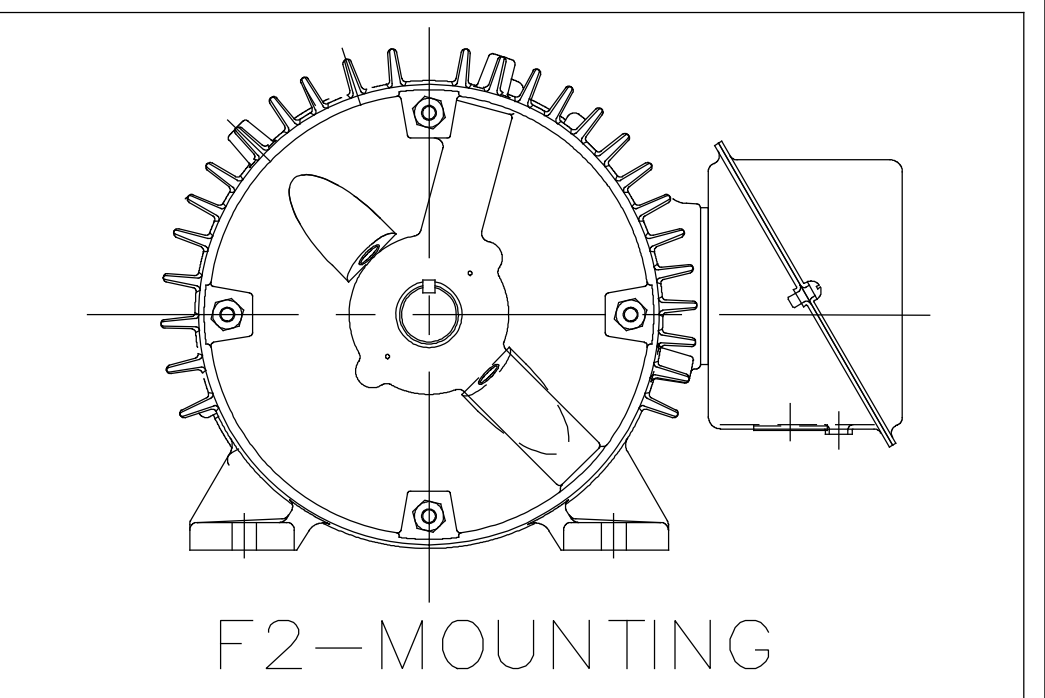
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	14.7 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	10.43 in
Frame Length	5.25 in	Shaft Diameter	0.880 in
Shaft Extension	2.56 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308	Outline Drawing	A-100655-525

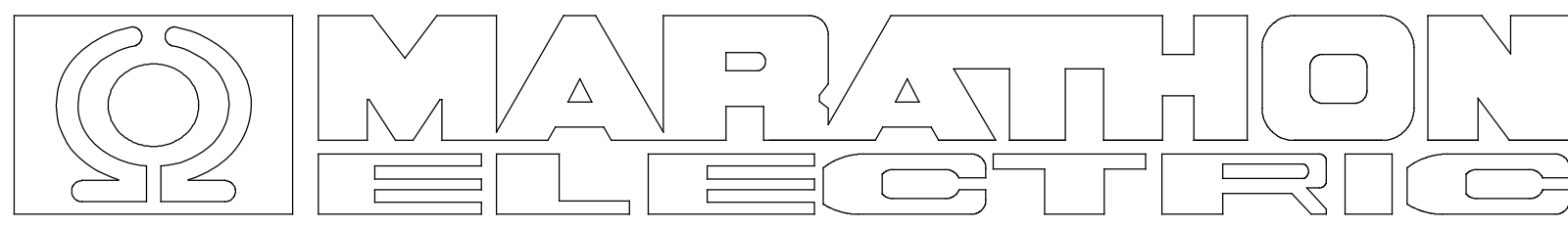
100655



- NOTES:
- 1- BOX CAN BE ROTATED IN 90° STEPS.
 - 2- BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 - 3- FRONT GREASE HOLE LOCATIONS SHOWN WITH HIDDEN LINES.



DASH	FR.	B	C	BS	2F
525	143T	5.00	10.43	2.81	4.00
625	145T	6.00	11.43	3.81	5.00

11	ADDED DIA .104 HOLES ON DRAWING	UD 09/06/2018		TOLERANCES UNLESS SPECIFIED			DRAWN RM 10-27-1992					
10	ADDED F2-MOUNTING	PST 05/05/2014	SM	DEC.	INCHES		CHK	ML	10-28-1992			
9	CORRECTED FOOT MOUNTING DIMENSIONS	DRS 10-13-2005		.X	±.1		APPD	GK	10-28-1992			
8	REDRAWN IN AUTOCAD	TAT 06-29-2004	ML	.XX	±.03		SCALE 11=32					
7	BA TOLERANCE CHANGED TO ±.090 CN 27601	CAE 03-12-1999		.XXX	±.005	REF						
6	REV. -525 BS DIM. TO 2.81, WAS 3.51 CN 25600-161	BLR 04-22-1998		.XXXX	±.0005	TITLE OUTLINE 140T FR. - BB - TS - TENV				FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	MAT'L.				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 100655			SIZE	DRAWING NO.	PAGE	OF	REV.
			DIST LB-WP					A	100655			1110



				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN RM 11/20/1990				
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		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				
NO.	REVISION	BY & DATE	CHK	ANG	±7°30"	FINISH	PREV				
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			DIST WP				A	EE7308			5

CERTIFICATION DATA SHEET

Model#: 143TTTC4026 BB
 CONN. DIAGRAM: A-EE7308
 OUTLINE: A-100655-525

WINDING#: ZT4148 NONE 3
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1&3/4	.75&.56	1800	1750&1450	143T	TENV	M	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	3.0/1.5&2.8/1. 4	ACROSS THE LINE	CONTINUOU S	F7	1.15/1.15	40	3300

FULL LOAD EFF: 85.5&84	3/4 LOAD EFF: 85.5	1/2 LOAD EFF: 83.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 75&72	3/4 LOAD PF: 66	1/2 LOAD PF: 53	80	SQ CAGE IND RUN	1.6 / .8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	24 / 12	8.5 LB-FT 283	12 LB-FT 400	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.08 LB-FT^2	7 LB-FT^2	20 SEC.	2	55 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6205	6203	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/23/2017 12:43:25 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



143TTC4026

Submittal

Data @ 460 V

Motor Load Data

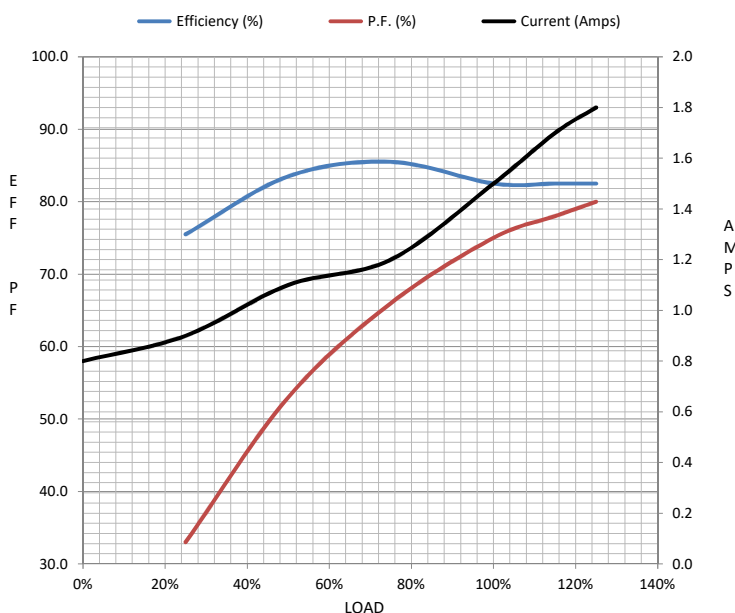
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.80	0.90	1.10	1.20	1.50	1.70	1.80	12.0	
Torque (ft-lb)	0.00	0.75	1.50	2.20	3.0	3.5	3.8	8.5	
RPM	1800	1790	1775	1760	1745	1,735	1725	0	
Efficiency (%)		75.5	83.5	85.5	82.5	82.5	82.5		
P.F. (%)	7.5	33.0	53.0	66.0	75.0	78.0	80.0	60.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	1250	1745	1800
Current (Amps)	12.0	11.0	8.0	1.50	0.80
Torque (ft-lb)	8.5	7.5	12.0	3.0	0.00

Information Block

HP	1.0			
Sync. RPM	1800			
Frame	143			
Enclosure	TENV			
Construction	TTC			
Voltage	230/460#190/380	V		
Frequency	60	Hz		
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	55	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.08	Lb-Ft²		
Ref Wdg	ZT4148 NONE			
Sound Pressure @ 1M	62	dBA		
VFD Rating	NONE			
Outline Dwg	A-100655-525			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

