

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 256TBDX7028

Catalog No: Z127

15 HP Single Phase HVAC/R Motor, 1 phase, 1800 RPM, 230 V, 256T Frame, ODP
Fan and Blower Motors



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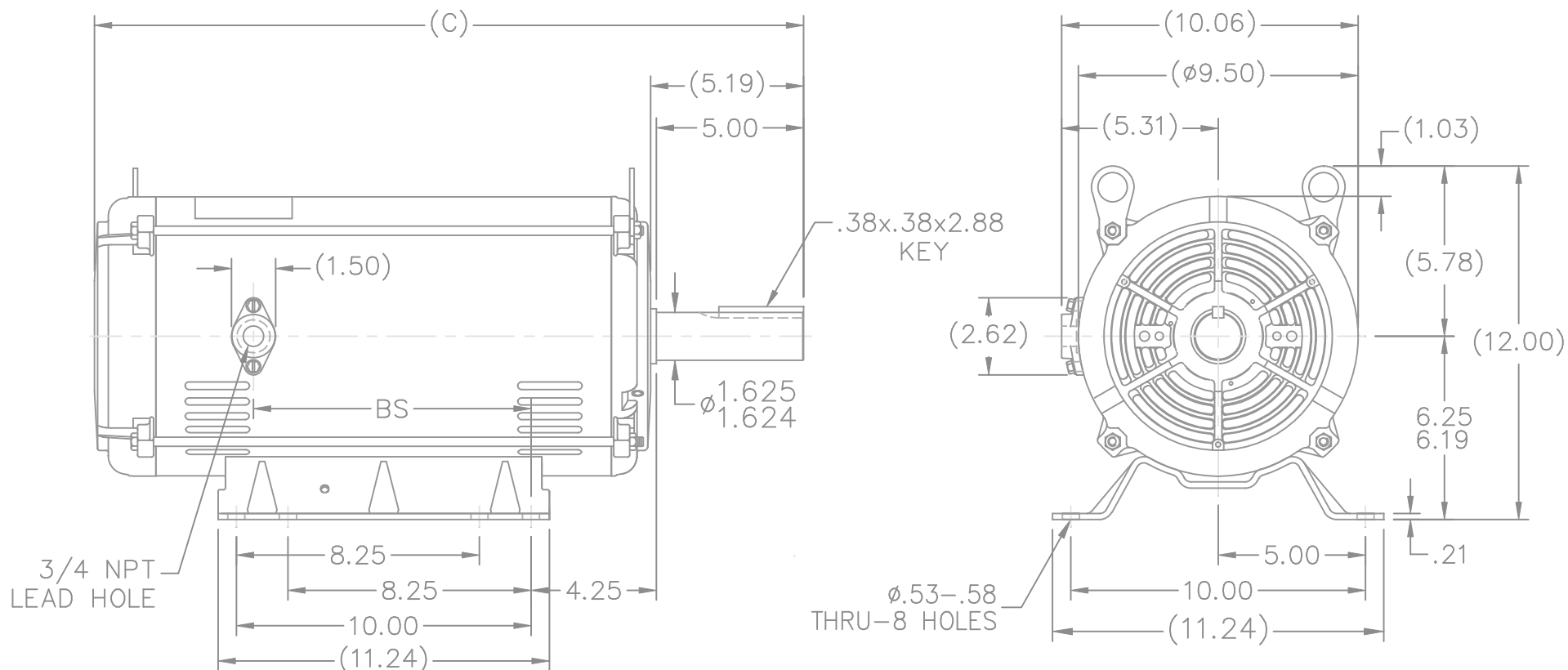
RegalRexnord

Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	230 V
Current	59.5 A	Speed	1755 rpm
Service Factor	1	Phase	1
Efficiency	86.5 %	Power Factor	94.5
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	D
Frame	256T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Fixed Clockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	24.06 in
Frame Length	15.45 in	Shaft Diameter	1.625 in
Shaft Extension	5.19 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE9048PD	Outline Drawing	A-SS88588-1545



DASH	FR.	C	BS	MOUNTING
1370	254T	22.31	7.67	F1
1545	254/6T	24.06	9.42	F1

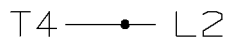
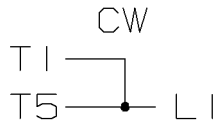
NOTES:

1. NAMEPLATE TO BE READ FROM LEAD HOLE SIDE OF MOTOR.

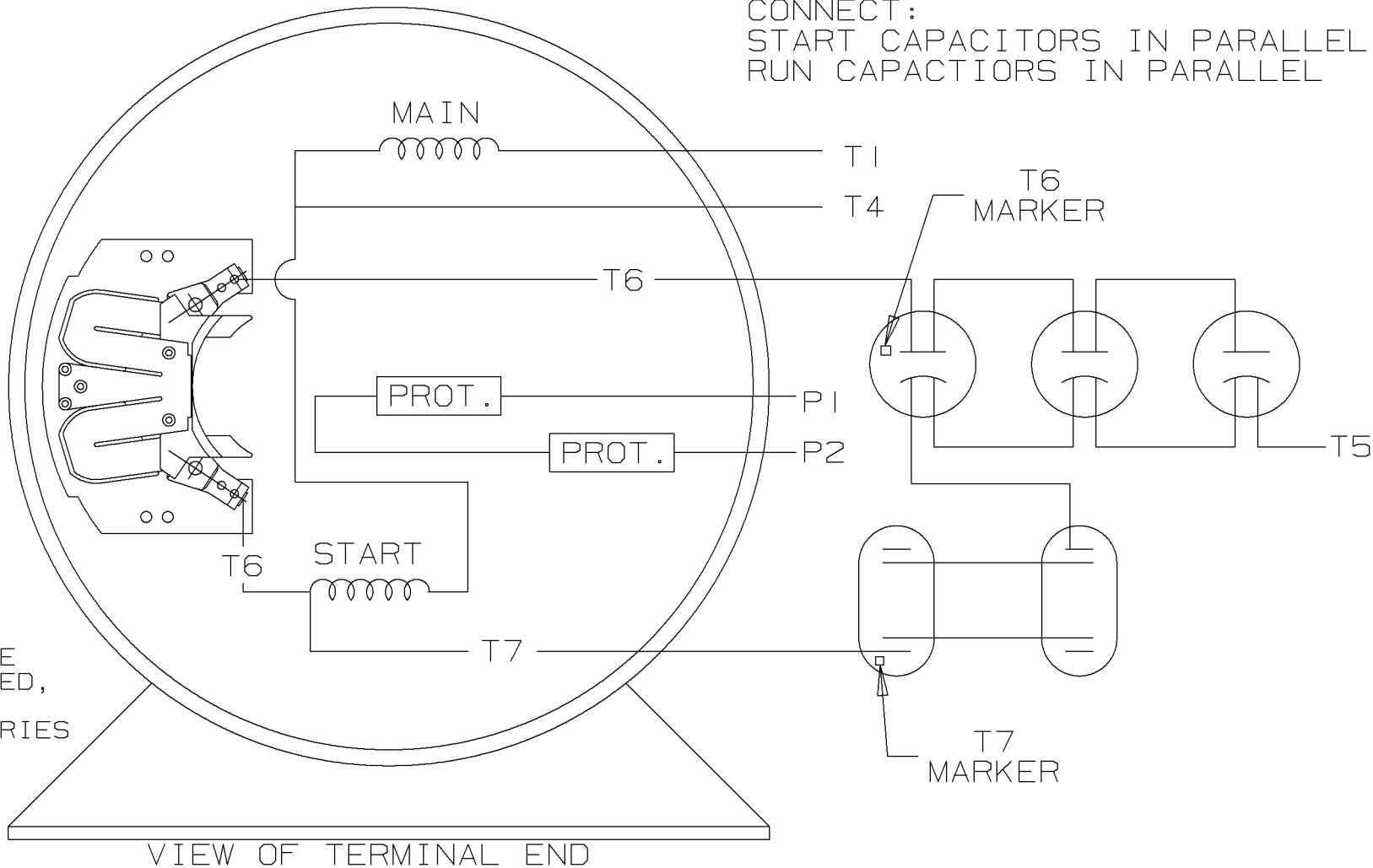
				TOLERANCES UNLESS SPECIFIED			DRAWN NJS 1/11/2002			
				DEC.	INCHES		CHK ML 1/14/2002			
				.X	±.1		APPD DR 1/15/2002			
3	REPLACED ADAPTER PLATE W/LEESON PLATE 07-1734	MSG 11-17-2008	MSG	.XX	±.03	TITLE OUTLINE 250 FR. – BB – DR.PR. – 1ø			SCALE 3=16	
2	UPDATED DRAWING	TJW 05/14/2007		.XXX	±.005				REF	
1	NEW DRAWING CN29100-2442	NJS 1/15/2002		.XXXX	±.0005	MAT'L.			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		CAD FILE SS88588			SIZE	DRAWING NO. PAGE 1 OF 1	REV.
			DIST LB					A	SS88588	3

SINGLE VOLTAGE

SINGLE VOLTAGE, CAPACITOR START
CAPACITOR RUN



CONNECT:
START CAPACITORS IN PARALLEL
RUN CAPACITORS IN PARALLEL



NOTE:
IF MORE THAN ONE
PROTECTOR IS USED,
PROTECTORS ARE
CONNECTED IN SERIES

				✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± XXX±.005 XXXX±.0005 ANGLES±					
				MATL SPEC				DRAWN BY MJD	03-24-1999	
				FINISH				CHKD BY ML	03-25-1999	
I	03-25-1999	NEW DRAWING	MJD	REFERENCE DRW.	WAUSAU, WISCONSIN 54401			APPD BY DR	03-25-1999	
		MU24424		PART NAME CONNECTION DIAGRAM					DRWG NO	
REV	DATE	CHANGE	NAME	CAPACITOR START - CAPACITOR RUN MOTOR					A - EE9048PD	

REV	DATE	CHANGE	NAME	DISTRIBUTION - WA - LB - WP - LM - BR	CADD FILE NO.	EE9048PD
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8/26/2007 8:35:43 PM - SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM - BR

CADD FILE NO.

EE9048PD

ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

/RS
-dictionary-
/Pscript_WinNT_Compat
-dictionary-

CERTIFICATION DATA SHEET

Model#: 256TBDX7028 AE
 CONN. DIAGRAM: A-EE9048PD
 OUTLINE: A-SS88588-1545

WINDING#: B104131 NONE 2
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15	11.2	1800	1755	256T	DP	D	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	230	59.5	ACROSS THE LINE	CONTINUOUS	F3	1.0	40	3300

FULL LOAD EFF: 86.5	3/4 LOAD EFF: 88	1/2 LOAD EFF: 87.9	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 94.5	3/4 LOAD PF: 95.7	1/2 LOAD PF: 95.2	0	CAP START CAP RUN	9.1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
44.75 LB-FT	278.5	37.2 LB-FT 83	65.7 LB-FT 147	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	10 SEC.	3	0 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	GRAY (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6309	6206	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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

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 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.


MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230

Volts

 HP 15.00

 PHASE 1

 Model No 256TBDX7028
60

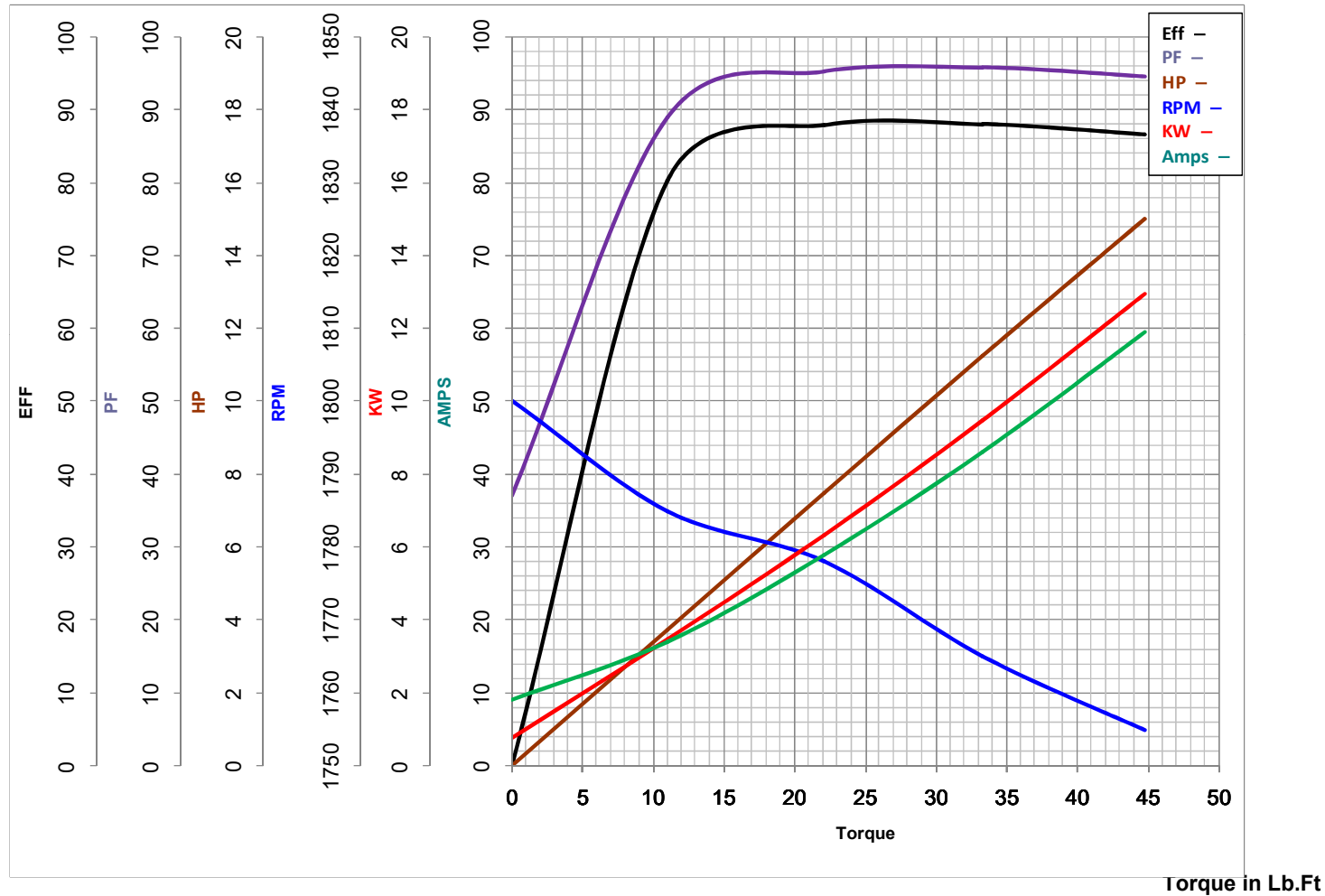
HZ

 VOLTS 230
15

HP

 HZ 60

 RPM 1755

 Catalog No Z127


Torque in Lb.Ft

 FL TORQUE 44.75 Lb.Ft

 BD TORQUE 65.7 Lb.Ft

 LR TORQUE 37.2 Lb.Ft

 FL AMPS 59.5

 PU TORQUE 26.5 Lb.Ft

 LR AMPS 278.5

WINDING B104131-2

Date 1/17/2019