

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 284TTDC6076

Catalog No: U256

XRI® General Purpose General Purpose Motor, 15 & 15 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 200/400 V,
1200 & 1000 RPM, 284T Frame, DP



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RegalRexnord

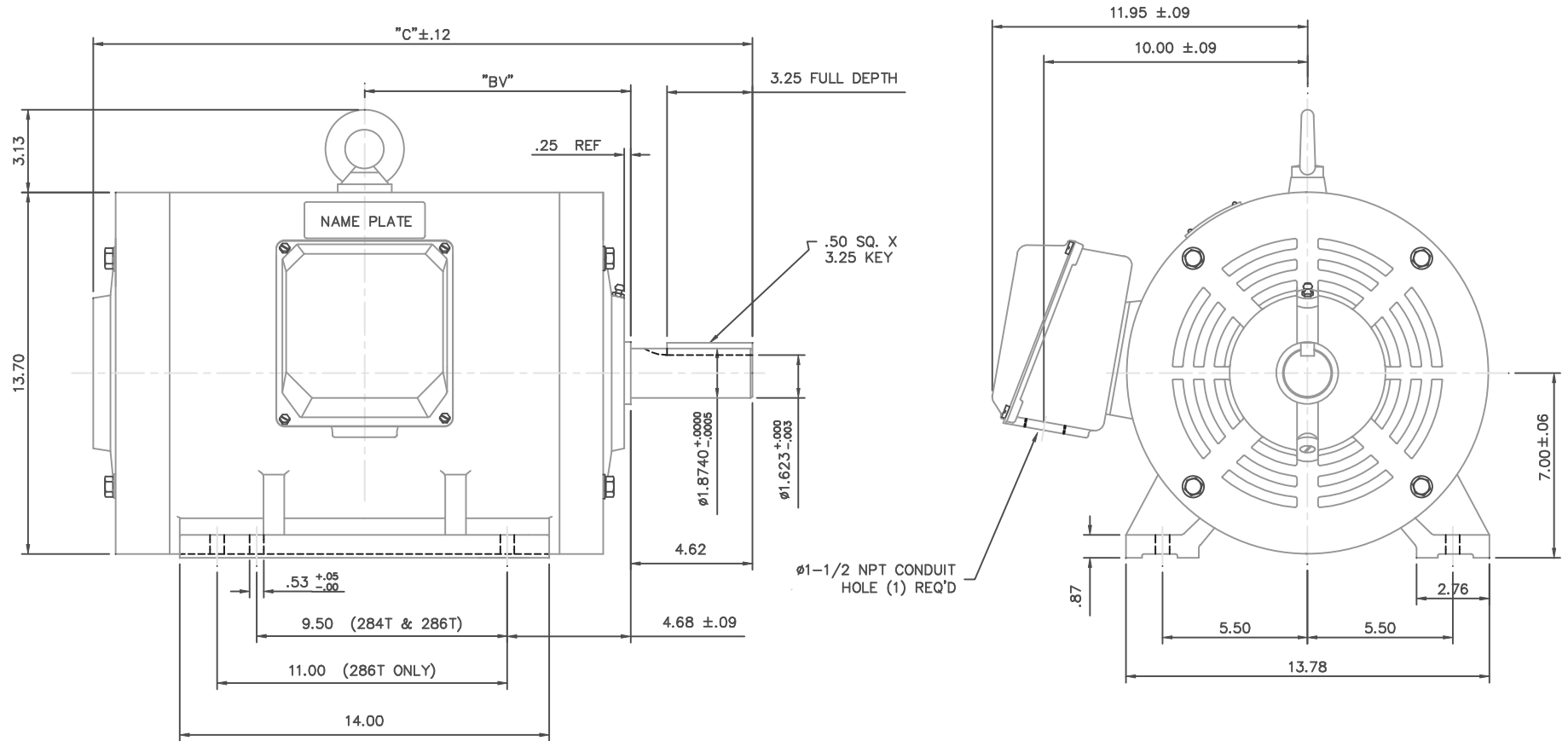
Nameplate Specifications

Phase	3	Output HP	15 & 15 Hp
Output KW	11.2 & 11.2 kW	Voltage	208-230/460 & 200/400 V
Speed	1185 & 985 rpm	Service Factor	1.15 & 1.15
Frame	284T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	92.4 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	39.5/19.7 & 46/23 A	Power Factor	76.7
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Y
CE	N	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	23.54 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	16955260ME	Connection Drawing	004172-01ME

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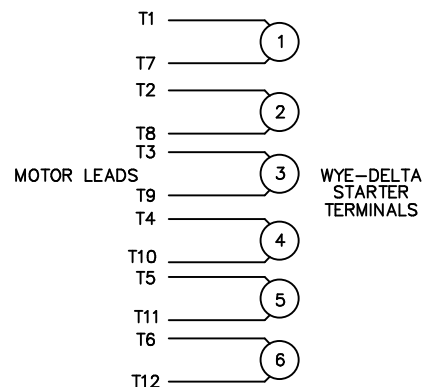
NOTE: 286T HAS 6 MTG. HOLES,
USING 284T AND 286T LOCATIONS

FRAME DESIGN	"C"	"BV"
284T	23.54	9.33
286T	25.00	10.06

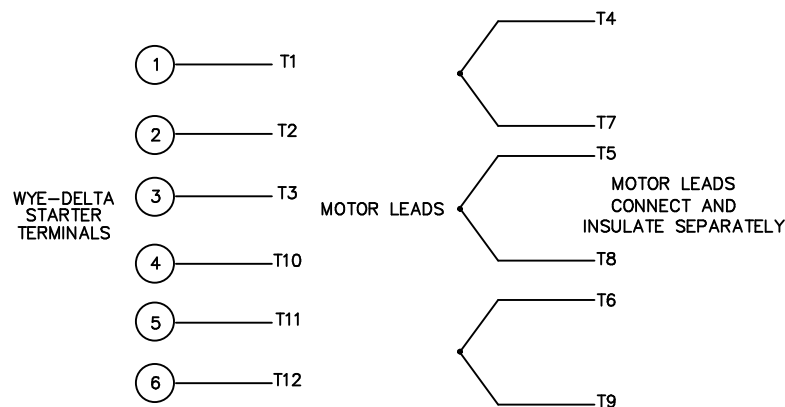
			TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN J.K. 04/05/99	
			DEC.	INCHES		CHK	PG 04/07/99
			.X	±.1	TITLE OUTLINE 280T FRAME DRIP PROOF - RIGID NEW CON-BOX	APPD	SCALE 1=4
2	REVISED DRAWING	RJW 04-25-07	.XX	±.03			
A	REVISED TO NEW BORDER FORMAT	DWF 12/14/01	.XXX	±.005		REF	
			.XXXX	±.0005		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	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	16955260me
						SIZE	DRAWING NO.
						B	169552-60
							REV. 2

WYE - DELTA STARTING USEABLE ON 2, 4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION

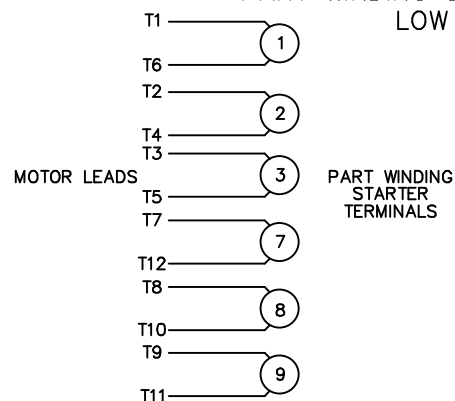


HIGH VOLTAGE CONNECTION



REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

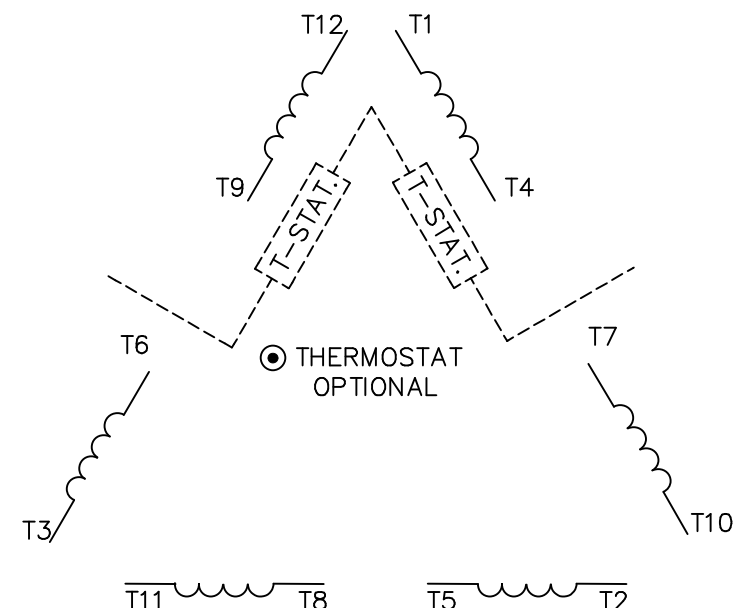
PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY



REFER TO THE PART WINDING
STARTER INSTRUCTIONS FOR PROPER
CONNECTION OF POWER LINES TO STARTER.

REFER TO THE CUTLER-HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.


LINE LEADS



ROTATION CAN BE REVERSED BY
INTERCHANGING ANY TWO LINE LEADS
⊙ RED LEADS OR P1, P2, FOR N/C THERMOSTAT

ACROSS THE LINE START & RUN

	LINE 1	LINE 2	LINE 3	JOIN & INSULATE SEPARATELY
HIGH VOLT	T1,T12	T2,T10	T3,T11	(T4,T7) (T5,T8) (T6,T9)
LOW VOLT	T1,T6 T7,T12	T2,T4 T8,T10	T3,T5 T9,T11	

				TOLERANCES UNLESS SPECIFIED				DRAWN RJW 07-19-2007		
				DEC.	INCHES			CHK	ML 07-19-2007	
				.X	±.1	TITLE DELTA – WYE CONNECTION DIAGRAM		APPD	GK 07-19-2007	
				.XX	±.02			SCALE	1=1	
				.XXX	±.005			REF	MU61151	
				.XXXX	±.0005			FMF		
NO.	REVISION	BY & DATE	CHK	ANG	± 7'30"	FINISH		PREV		
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			DIST	LB				A	004172-01ME	

CERTIFICATION DATA SHEET

Model#: 284TTDC6076 AA

WINDING#: T14506015 NONE 3

CONN. DIAGRAM: 004172-01ME

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: 16955260ME

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&15	11.2&11.2	1200	1185&985	284T	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#200/ 400	42- 39.5/19.7&46/ 23	ACROSS THE LINE	CONTINUOU S	F2	1.15/1.15	40	3300

FULL LOAD EFF: 92.4&91	3/4 LOAD EFF: 92.4	1/2 LOAD EFF: 92	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 76.7&77.5	3/4 LOAD PF: 71.5	1/2 LOAD PF: 60.5	91.7	SQ CAGE IND RUN	18 / 9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
66 LB-FT	220 / 110	99 LB-FT 150	213 LB-FT 323	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
67 dBA	77 dBA	- LB-FT^2	- LB-FT^2	- SEC.	-	- 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	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6312	6210						

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

* N O T E S *	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 08:18:33 AM
FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 19-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



284TTDC6076

Submittal

Data @ 460 V

Motor Load Data

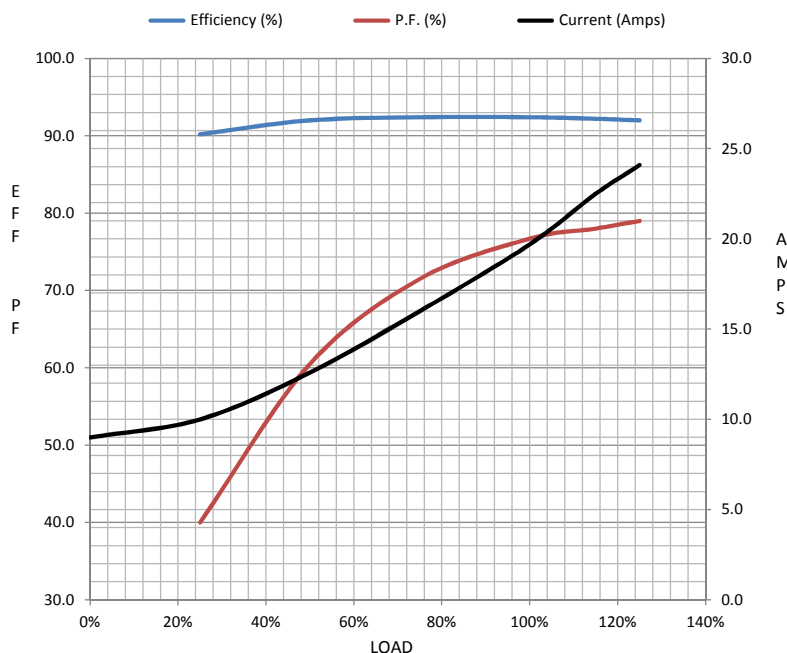
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	9.0	10.0	12.6	16.0	19.7	22.5	24.1	110	
Torque (ft-lb)	0.00	17.0	33.0	49.6	66.0	76.5	83.2	99.0	
RPM	1200	1197	1195	1190	1185	1,184	1183	0	
Efficiency (%)		90.2	92.0	92.4	92.4	92.2	92.0		
P.F. (%)	4.4	40.0	60.5	71.5	76.7	78.0	79.0	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1115	1185	1200
Current (Amps)	110	99.0	77.0	19.7	9.0
Torque (ft-lb)	99.0	89.0	213	66.0	0.00

Information Block

HP	15.0			
Sync. RPM	1200			
Frame	284			
Enclosure	DP			
Construction	TDC			
Voltage	3-230/460#200/4 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	35 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.00 Lb-Ft²			
Ref Wdg	T14506015 NONE			
Sound Pressure @ 1M	67 dBA			
VFD Rating	NONE			
Outline Dwg	16955260ME			
Conn. Diag	004172-01ME			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

