# PRODUCT INFORMATION PACKET



Model No: 286TTDC6076 Catalog No: U257

General Purpose Motor, 20 & 20 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 200/400 V, 1200 & 1000 RPM,

286T Frame, DP







Product Information Packet: Model No: 286TTDC6076, Catalog No:U257 General Purpose Motor, 20 & 20 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 200/400 V, 1200 & 1000 RPM, 286T Frame, DP



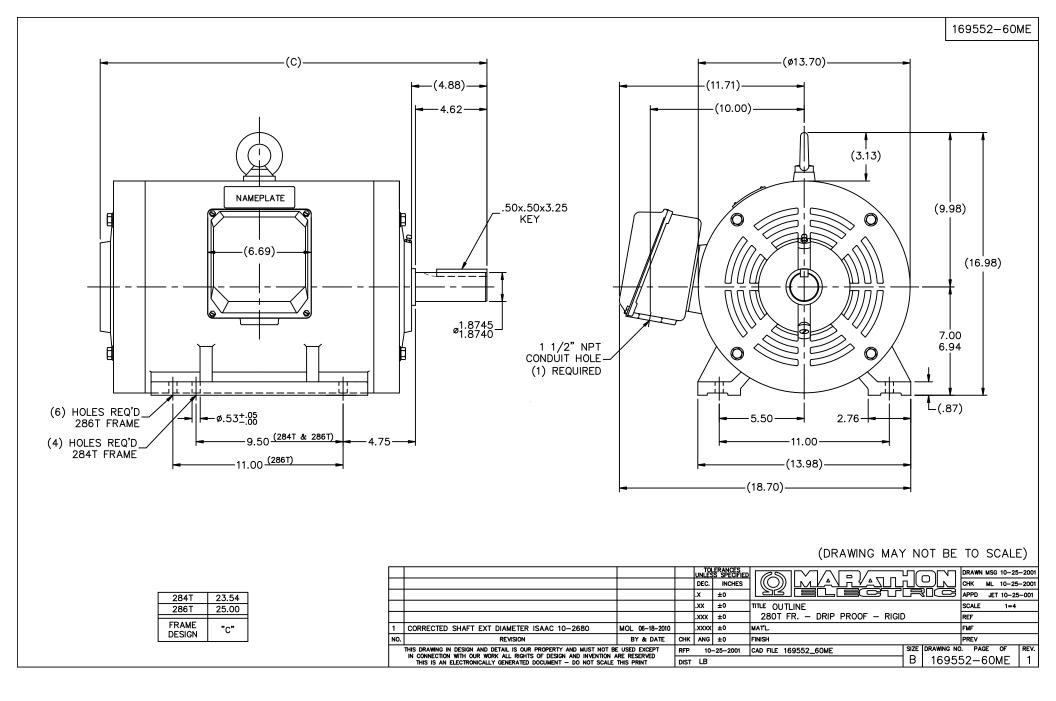
## Nameplate Specifications

Phase	3	Output HP	20 & 20 Hp
Output KW	14.9 & 14.9 kW	Voltage	208-230/460 & 200/400 V
Speed	1185 & 985 rpm	Service Factor	1.15 & 1.15
Frame	286T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	92.4 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	58.0-55.0/27.5 & 58.0-55.0/27.5 A	Power Factor	74.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Υ
CE	N	IP Code	12
Number of Speeds	1		

# **Technical Specifications**

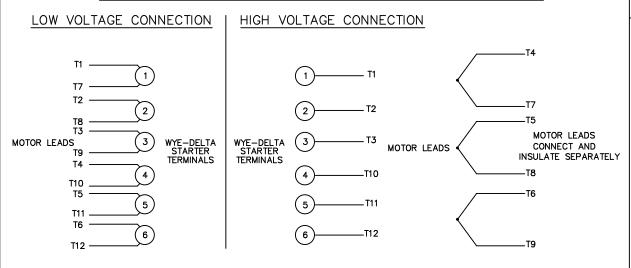
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	Т
Overall Length	25.00 in	Shaft Diameter	1.880 in
Shaft Extension	4.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	004172-01ME	Outline Drawing	169552_60ME

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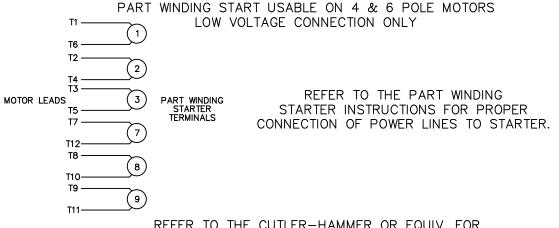


T7

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



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



REVISION

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IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT

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

DEC.

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07-19-2007

	T3/					\110				
		T11 VV	<u>√</u>		T5 \	₩ <u>T2</u>				
	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,T1	0	T3,T11	(T4,T7) (T5,T8) (T6,T9)				
	LOW VOLT	T1,T6 T7,T12	T2,T4 T8,T1		T3,T5 T9,T11					
			DRAWN RJW 07-19-2007 CHK ML 07-19-2007 APPD GK 07-19-2007							
T	A - WYE	CONNECT	SCALE 1=1							
	REF MU61151 FMF									
						PREV				
00	4172-01ME			size A		NO. PAGE 1 OF 1 REV. 1172-01ME				

LINE LEADS

THERMOSTAT

**OPTIONAL** 

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NO.

T6

#### **CERTIFICATION DATA SHEET**

**Model#:** 286TTDC6076 AA **WINDING#:** T14506014 NONE 3

F.L. RPM

CONN. DIAGRAM: 004172-01ME ASSEMBLY: F1 ONLY

SYNC. RPM

**OUTLINE**: 169552\_60ME

KW

400

ΗP

#### **TYPICAL MOTOR PERFORMANCE DATA**

FRAME

**ENCLOSURE** 

**KVA CODE** 

DESIGN

20&20	14.9&	14.9	1200	1185&985	286T	DP		G	В
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208-	58-	ACROSS THE	CONTINUOU	F2	1.15/1.15	40	3300
		230/460#200/	55/27 5&66/33	LINE	S				

FULL LOAD EFF: 92.4&91	3/4 LOAD EFF: 92.4	1/2 LOAD EFF: 91	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 74.5&72.5	3/4 LOAD PF: 67.5	1/2 LOAD PF: 56.5	91.7	SQ CAGE IND RUN	26.6 / 13.3

F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
88.6 LB-FT	290 / 145	146 LB-FT 165	261.5 LB-FT 295	52	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	- LB-FT^2	- LB-FT^2	20 SEC.	-	457 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	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1045 HOT	CAST IRON
6312	NONE					ROLLED (C-204)	

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

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

\* N O T E S

DATE: 06/27/2017 02:36:15 AM FORM 3531 REV.3 02/07/99

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