# PRODUCT INFORMATION PACKET



Model No: 286TTFC6027 Catalog No: E983B

XRI® General Purpose General Purpose Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V,

1800 & 1500 RPM, 286T Frame, TEFC







Product Information Packet: Model No: 286TTFC6027, Catalog No:E983B XRI® General Purpose General Purpose Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM, 286T Frame, TEFC



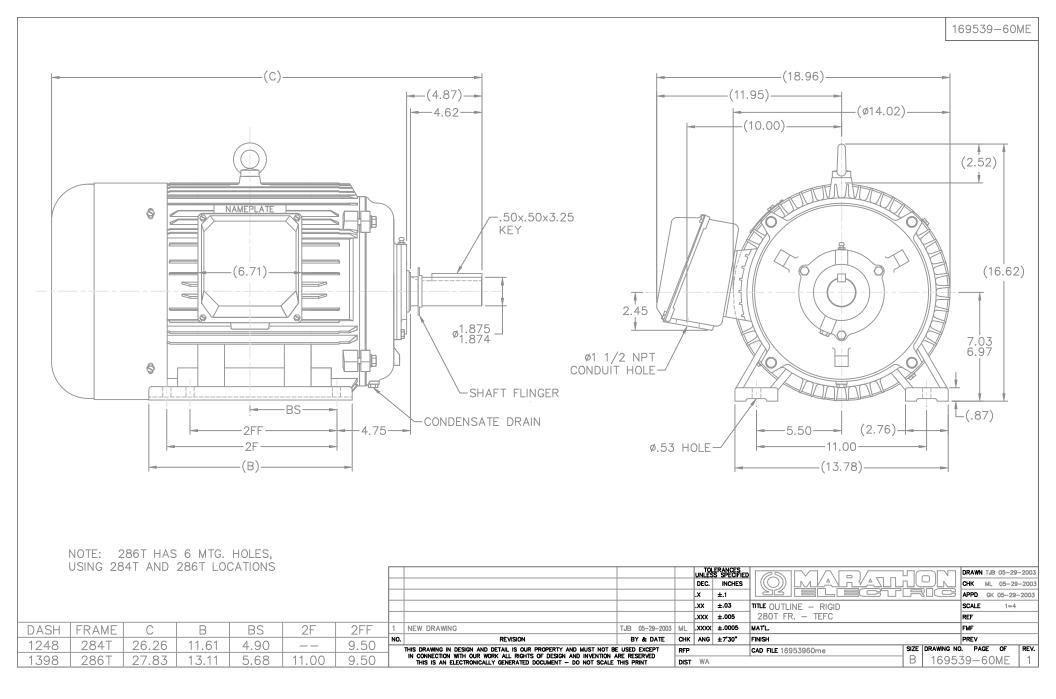
### Nameplate Specifications

Phase	3	Output HP	30 & 25 Hp
Output KW	22.4 & 18.7 kW	Voltage	208-230/460 & 190/380 V
Speed	1780 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	286T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	77-70/35 & 71/35.5 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	Н
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6309
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

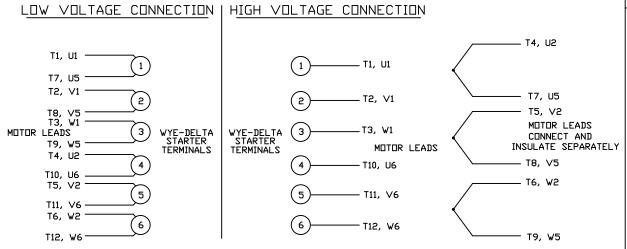
## **Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.052 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Overall Length	27.83 in
Shaft Diameter	1.875 in	Shaft Extension	4.87 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	16953960ME-286T	Connection Drawing	00417203ME

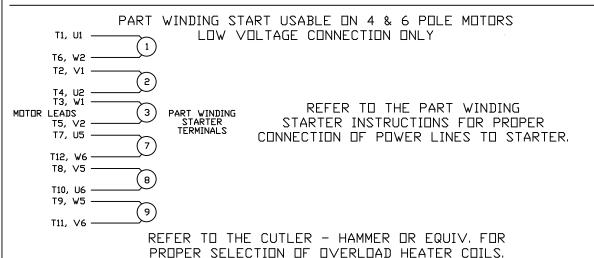
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/21/2023

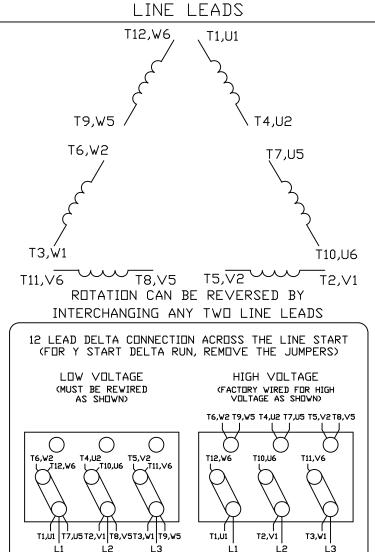


#### WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.



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





				TOL UNLES:	ERANCES S SPECIFIE			ЪΠ		DRAWN CJW	08/28/	02
				DEC.	INCHES			<u>ال ر</u>		СНК		
				.x	± .1					APPD		
				.xx	± .01	TITLE DEL	_TA - WYE CONNECTION	SCALE	1=1			
				.xxx	±.005		IEC CAST IRON MOTORS			REF		
				.xxxx	±.0005	MAT'L.				FMF		
ND.	REVISI□N	BY & DATE	СНК	ANG	±1/2°	FINISH	FINISH					
	THIS DRAWING IN DESIGN AND DETAIL IS DUR PROPERTY AND MUST NOT BE USED EXCEPT					CAD FILE	00417203ME	SIZE	DRAWING N	<u> </u>	R	EV.
IN	N CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE	DIST					Α	0041	72-03ME	Ξ		

#### **CERTIFICATION DATA SHEET**

 Model#:
 286TTFC6027 AA
 WINDING#:
 T14504006 NONE 3

 CONN. DIAGRAM:
 00417203ME
 ASSEMBLY:
 F1/F2 CAPABLE

**OUTLINE**: 169539.60ME

85&85.5

380

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

	HP	KW	SYI	NC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KVA CODE	DESIGN
	30&25	22.4&1	8.7	1800	1780&1480	286T	TEF	TEFC H		В
_			1	1	,		,	,		
	PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
	3	60/50	208-	77-	ACROSS THE	CONTINUOU	F2	1.15/1.1	15 40	3300
			230/460#190/	70/35&71/35.5	LINE	S				

FULL LOAD EFF: 94.1&93	3/4 LOAD EFF: 93.6	1/2 LOAD EFF: 93	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF:	3/4 LOAD PF: 81.4	1/2 LOAD PF: 71.7	93	SQ CAGE IND RUN	29 / 14.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
89 LB-FT	480 / 240	172 LB-FT 193	247 LB-FT 278	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	4.7 LB-FT^2	- LB-FT^2	20 SEC.	2	432 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)

BEAF	RINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1045 HOT	CAST IRON
6311	6309					ROLLED (C-204)	

	THERMO-PF	ROTECTORS		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 03:38:05 AM FORM 3531 REV.3 02/07/99 \*\* Subject to change without notice.

