PRODUCT INFORMATION PACKET

Model No: 286TTFC6077 Catalog No: E968A General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 & 1000 RPM, 286T Frame, TEFC



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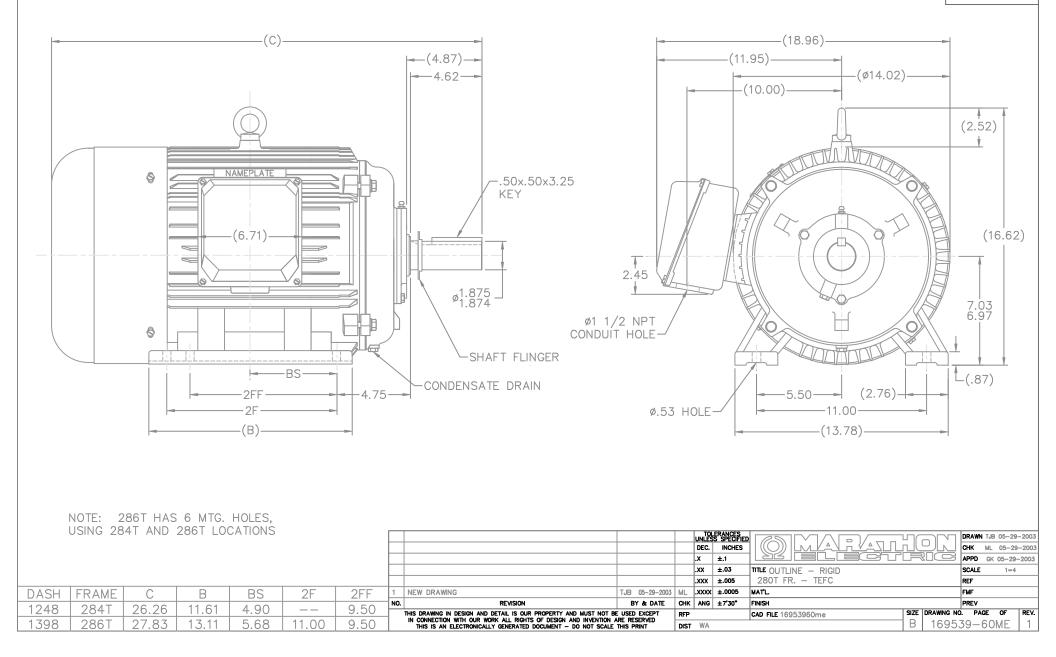
Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V
Speed	1185 & 980 rpm	Service Factor	1.15 & 1.15
Frame	286T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	92.4 & 91.7 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	53.5/26.8 & 48/24 A	Power Factor	75
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6309
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

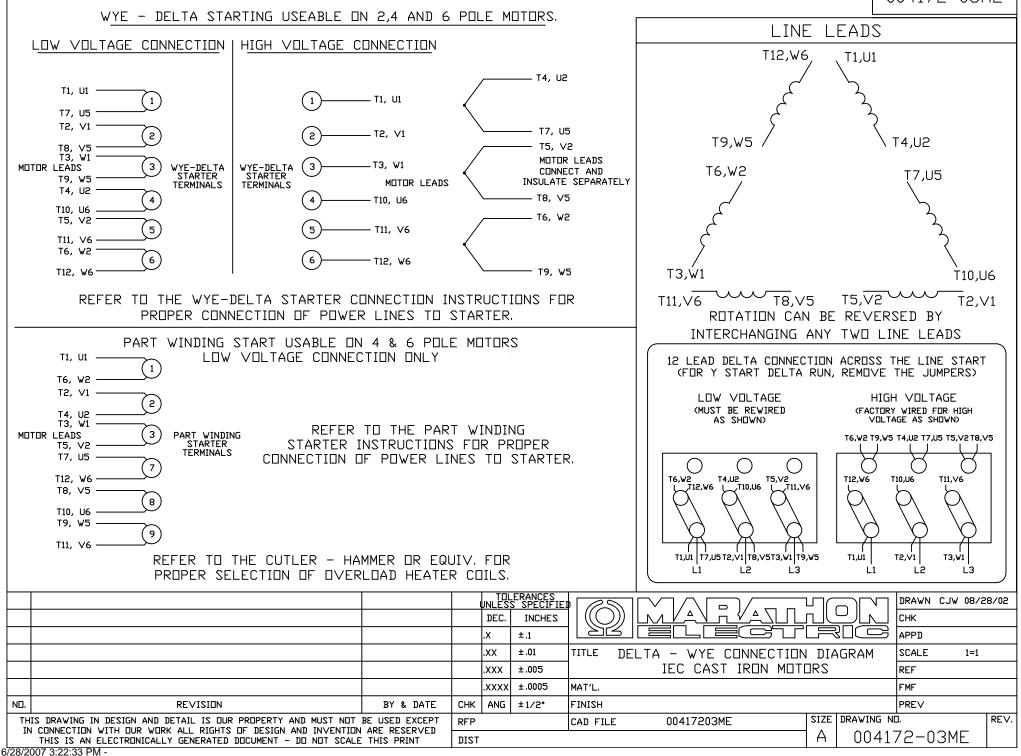
Technical Specifications

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	27.83 in	Shaft Diameter	1.880 in
Shaft Extension	4.87 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	00417203ME	Outline Drawing	16953960ME-286T

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004172-03ME



CERTIFICATION DATA SHEET

Model#:	286TTFC6077 AA	WINDING#:	T14506013 FR 3
CONN. DIAGRAM:	00417203ME	ASSEMBLY:	F1/F2 CAPABLE
OUTLINE:	169539.60ME		

TYPICAL MOTOR PERFORMANCE DATA

ĸw	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
14.9&11.2	1200	1185&980	286T	TEFC	G	В
		j				

РН	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/	53.5/26.8&48/	ACROSS THE	CONTINUOU	F2	1.15/1.15	40	3300
		380	24	LINE	S				

FULL LOAD EFF: 92.4&91.7	3/4 LOAD EFF: 92.4	1/2 LOAD EFF: 91	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 75&77.5	3/4 LOAD PF: 70	1/2 LOAD PF: 59.2	91	SQ CAGE IND RUN	25 / 12.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
88 LB-FT	290 / 145	142 LB-FT 160	230 LB-FT 260	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
55.5 dBA	65.5 dBA	6.64 LB-FT^2	6.6 LB-FT^2	15 SEC.	2	400 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 R	ANGE: NONE			
ENCOD	ER: NON	E			
NONE	NONE				
NONE	NONE PF	PR			
BRAKE:	NONE	NONE			
NONE	P/N	NONE			
NONE	NON	E			
NONE F	-T-LB	NONE V	NONE Hz		

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FORM 3531 REV.3 02/07/99

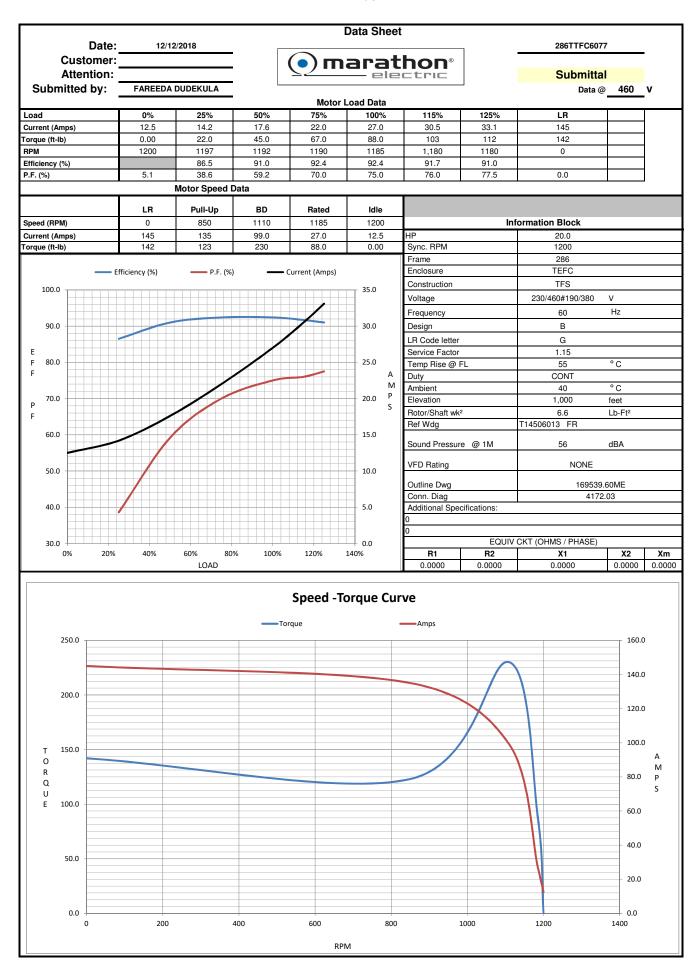
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EC Declaration of Conformity

The undersigned representing the manufacturer:

Regal Beloit America 100 East Randolph St. Wausau, WI 54401 and the authorized representative established within the Community:

Marathon Electric UK 6F Thistleton Road Ind. Estate Market Overton Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No: 286TTFC6077

(Model No. may contain prefix and/or suffix characters)

Catalog No : E968A

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010) EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A Logsdon

Michael A. Logsdon Vice President, Technology

Created on 09/17/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer