PRODUCT INFORMATION PACKET



Model No: 284TTFC6027 Catalog No: E961C

General Purpose Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,

284T Frame, TEFC









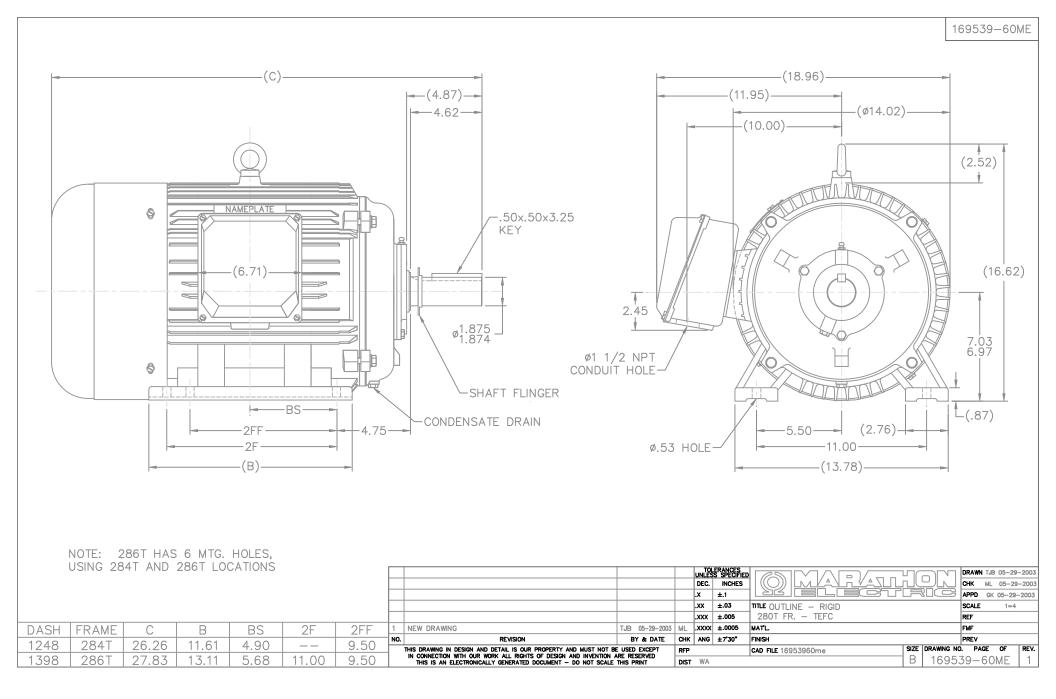
Nameplate Specifications

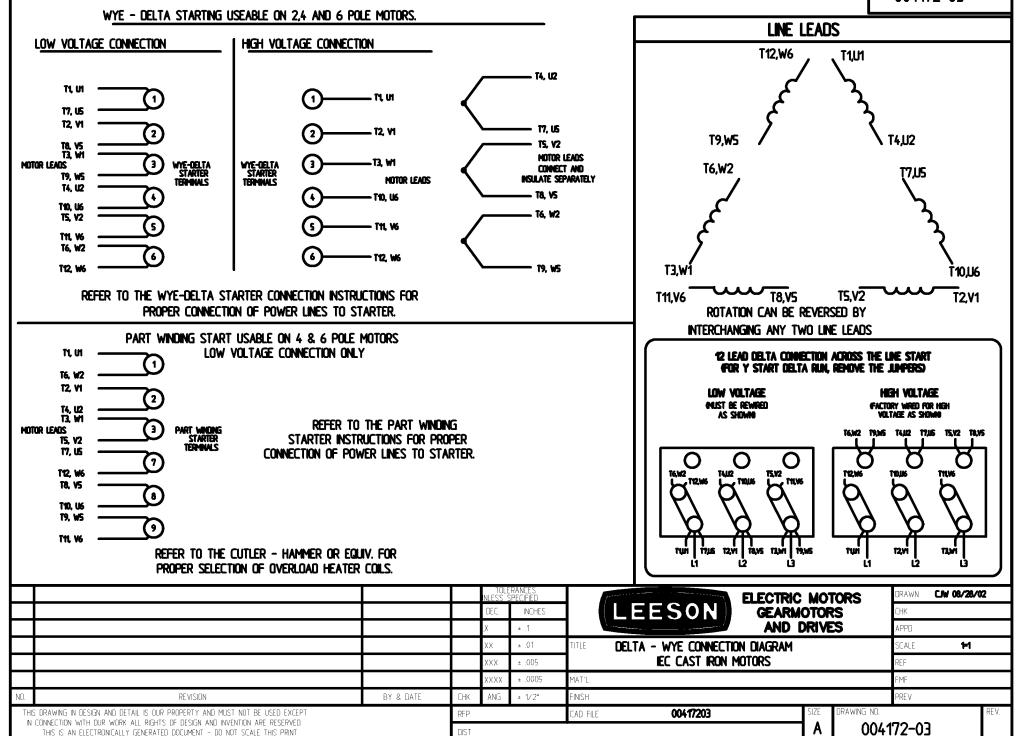
Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	208-230/460 & 190/380 V
Speed	1782 & 1480 rpm	Service Factor	1.15 & 1.0
Frame	284T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	66-58.5/29.3 & 60/30 A	Power Factor	78
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 Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.058 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	26.26 in
Shaft Diameter	1.880 in	Shaft Extension	4.87 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 20:1
Connection Drawing	004172.03	Outline Drawing	16953960ME-284T

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ERROR: syntaxerror
OFFENDING COMMAND: --nostringval-STACK:

/CB
-dictionary/Pscript_WinNT_Compat
-dictionary-

CERTIFICATION DATA SHEET

 Model#:
 284TTFC6027 AA
 WINDING#:
 T14504005 NONE 3

 CONN. DIAGRAM:
 004172.03
 ASSEMBLY:
 F1/F2 CAPABLE

F.L. RPM

SYNC. RPM

OUTLINE: 169539.60ME

KW

ΗP

TYPICAL MOTOR PERFORMANCE DATA

FRAME

ENCLOSURE

KVA CODE

DESIGN

25&20	18.7&1	14.9	1800	1782&1480	284T	TEFO	0		Н	В
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.	F	AMB°C	ELEVATION
3	60/50	208-	66-	LINE OR	CONTINUOU	F2	1.15	/1.0	40	3300
		230/460#190/ 380	58.5/29.3&60/ 30	INVERTER	S 					

FULL LOAD EFF: 93&93	3/4 LOAD EFF: 94.1	1/2 LOAD EFF: 93.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 78&80.5	3/4 LOAD PF: 80	1/2 LOAD PF: 69	92.4	SQ CAGE INV RATED	24 / 12

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
73.5 LB-FT	400 / 200	145 LB-FT 197	225 LB-FT 306	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	4.23 LB-FT^2	- LB-FT^2	20 SEC.	2	394 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-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

FORM 3531 REV.3 02/07/99

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 20:1
INV. HP SPEED RANGE: 1.5 X BASE SPEED

ENCODER: NONE NONE NONE NONE NONE PPR

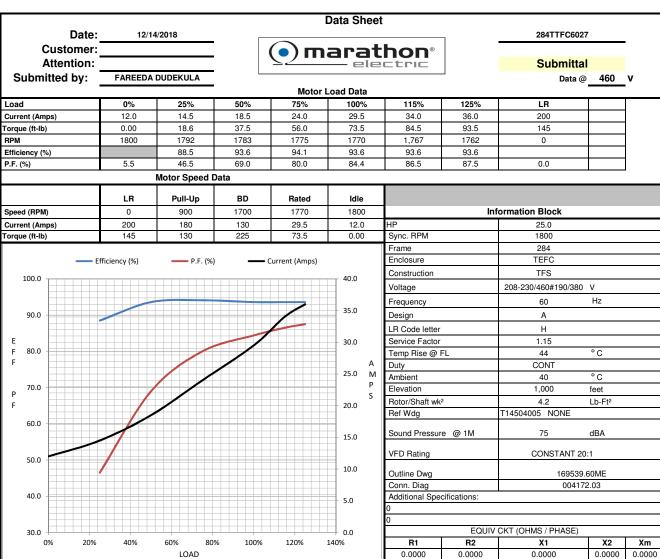
BRAKE: NONE NONE NONE P/N NONE NONE NONE

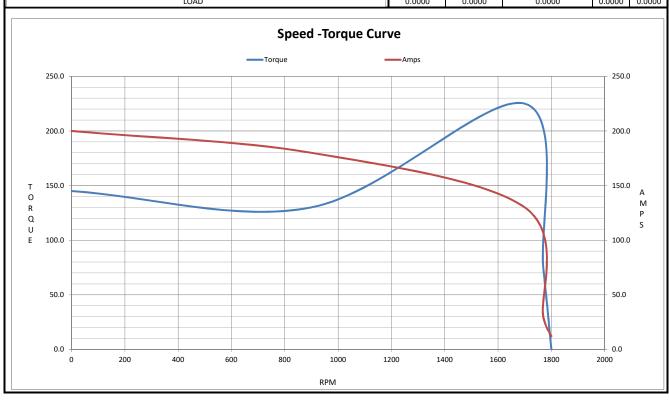
NONE FT-LB NONE V NONE Hz

* N O T E S

DATE: 06/27/2017 12:55:33 AM

** Subject to change without notice.







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: 284TTFC6027

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

Catalog No : E961C

Rework No: N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

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

Authorized Representative:

<u>Authorized Representative in the Community:</u>

J. cers

Michael A. Logsdon Vice President, Technology

Created on 09/17/2022

Julian Clark Marketing Engineer

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