PRODUCT INFORMATION PACKET

Model No: 284TSTFC6002 Catalog No: E975A 25 HP General Purpose Motor, 3 phase, 3600 RPM, 230/460 V, 284TS Frame, TEFC General Purpose Motors



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2021 Regal Rexnord Corporation, All Rights Reserved. MC017097E





Product Information Packet: Model No: 284TSTFC6002, Catalog No:E975A 25 HP General Purpose Motor, 3 phase, 3600 RPM, 230/460 V, 284TS Frame, TEFC

marathon[®]

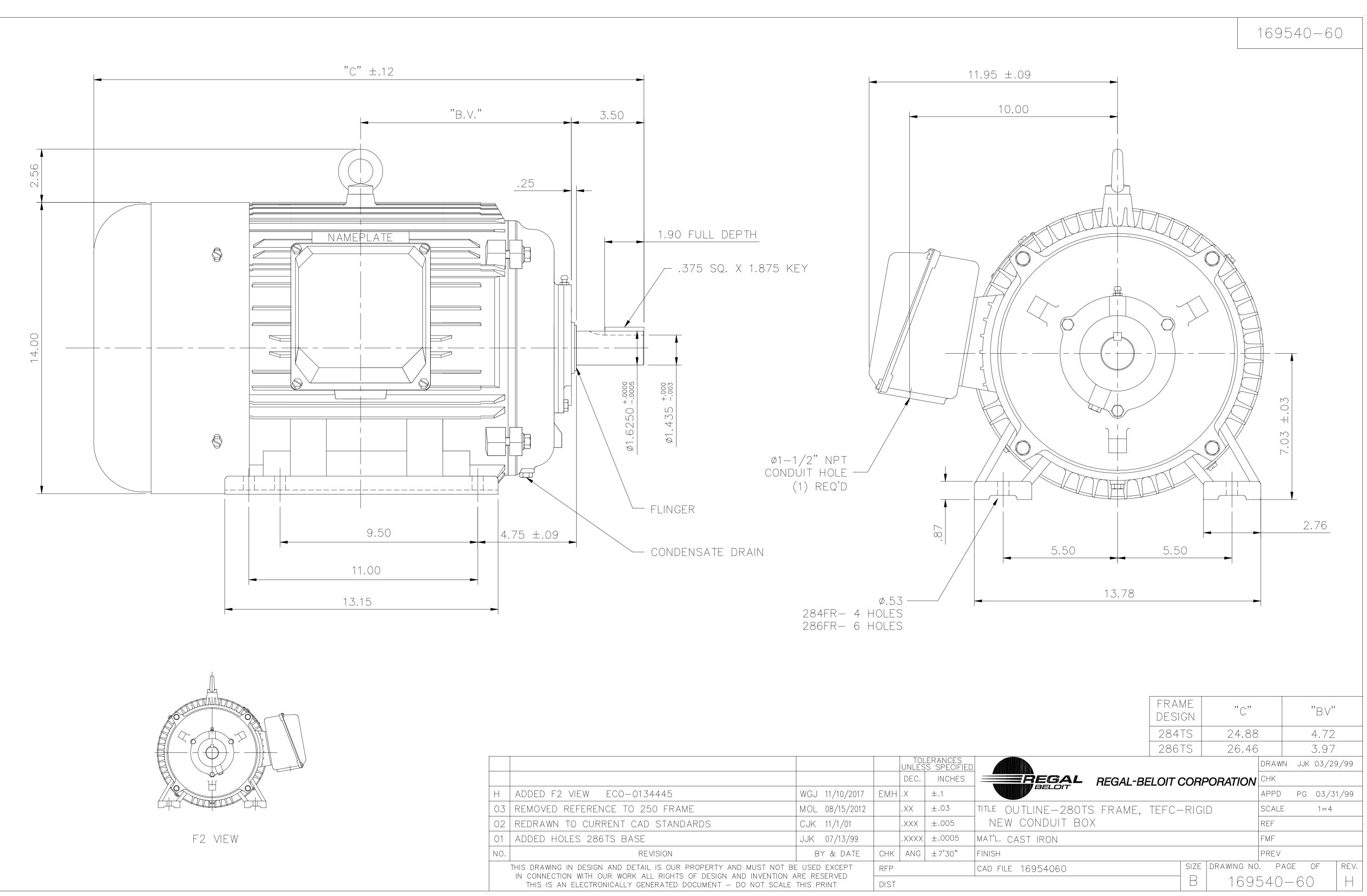
Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	56.5/28.3 A	Speed	3555 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	284TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
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

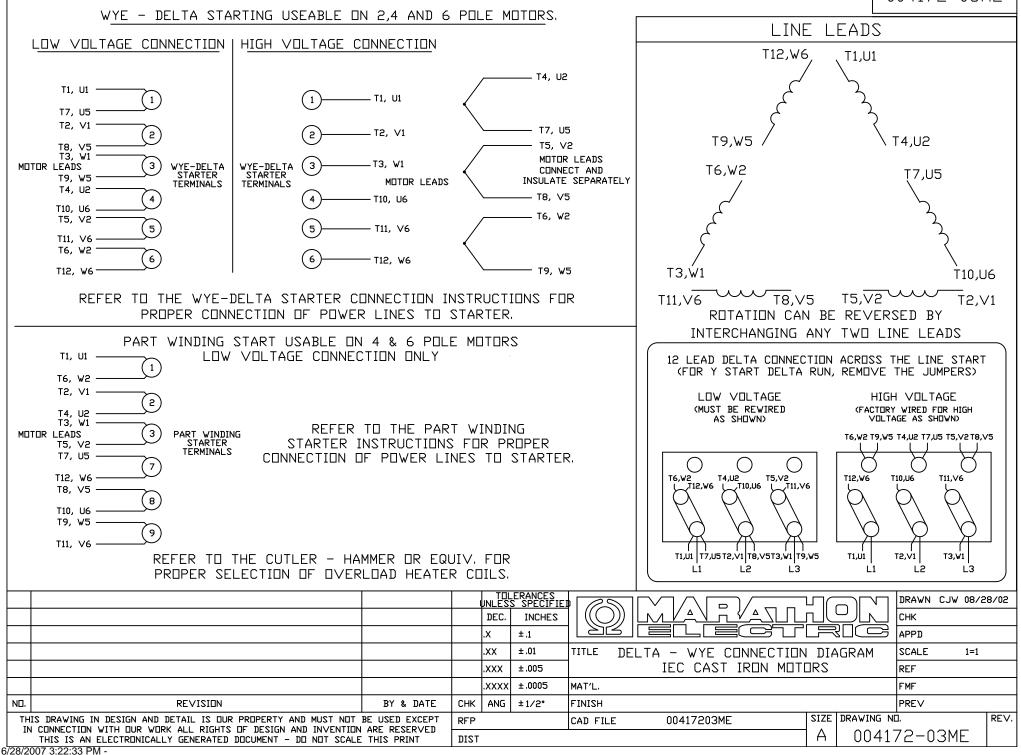
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.225 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	24.88 in
Shaft Diameter	1.630 in	Shaft Extension	3.5 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	004172.03ME	Outline Drawing	16954060-284TS

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:10/12/2021



			UN	TOLERANCES	
			DE	EC. INCHES	
Н	ADDED F2 VIEW ECO-0134445	WGJ 11/10/2017	EMH .X	±.1	
03	REMOVED REFERENCE TO 250 FRAME	MOL 08/15/2012	.××	< ±.03	TITLE OUTLINE-
02	REDRAWN TO CURRENT CAD STANDARDS	CJK 11/1/01	.××	(X ±.005	NEW CONDU
01	ADDED HOLES 286TS BASE	JJK 07/13/99	.××	(XX ±.0005	MAT'L. CAST IRON
NO.	REVISION	BY & DATE	СНК АГ	NG ±7'30"	FINISH
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE		RFP		CAD FILE 1695400
	IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION A THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE		DIST		

004172-03ME



CERTIFICATION DATA SHEET

Model#:	284TSTFC6002 AA	WINDING#:	T14502016 NONE 3
CONN. DIAGRAM:	004172.03ME	ASSEMBLY:	F1/F2 CAPABLE
OUTLINE:	16954060		

TYPICAL MOTOR PERFORMANCE DATA

HP	ĸw	SY	NC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KVA CODE	DESIGN
25&20	18.7&1	4.9	3600	3555&2955	284TS	TEFO	<u> </u>	G	В
РН	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/	56.5/28.3&53	ACROSS THE	CONTINUOU	F2	1.15/1	.15 40	3300
		380	5/26.8	LINE	S				

FULL LOAD EFF: 93&93	3/4 LOAD EFF: 93	1/2 LOAD EFF: 91.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88&91	3/4 LOAD PF: 86.5	1/2 LOAD PF: 81	91.7	SQ CAGE IND RUN	16 / 8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
37 LB-FT	364 / 182	72 LB-FT 195	102 LB-FT 276	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	1.9 LB-FT^2	- LB-FT^2	20 SEC.	-	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	TS	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

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 NO	DNE					
NONE NONE						
NONE FT-LB	NONE V	NONE Hz				

DATE: 06/23/2017 08:10:16 AM FORM 3531 REV.3 02/07/99 ** Subject to change without notice.

* N

O T

- Е
- S

*

Uncontrolled Copy

