

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 286TSTDC6003
Catalog No: U293
40,3600,DP,286TS,3/60/575
Open Drip Proof (ODP)



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.
©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E

REGAL[®]



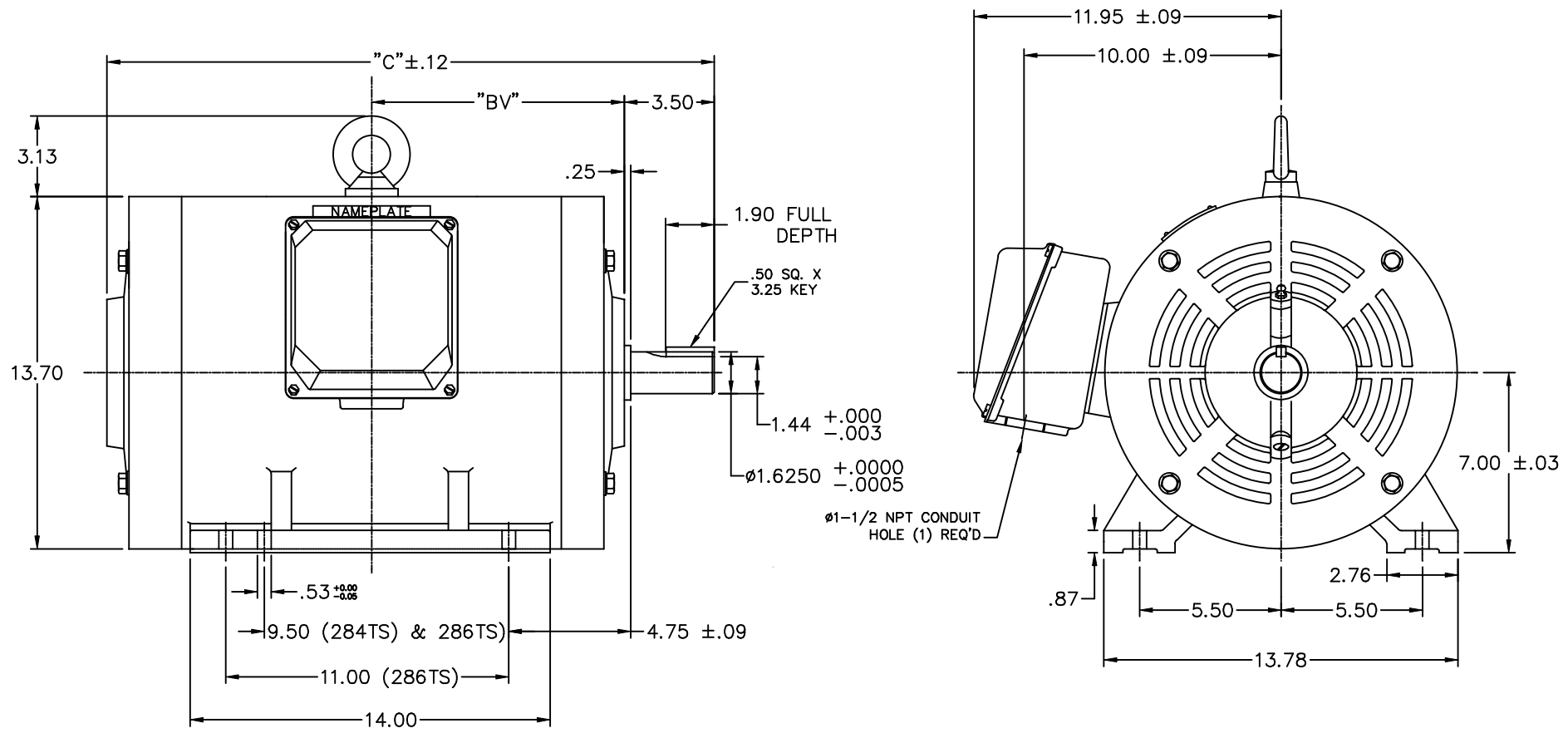
Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	575 V
Current	36.5 A	Speed	3560 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Frame	286TS
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6312
Opp Drive End Bearing Size	6211	UL	Recognized
CSA	Y	CE	Y
IP Code	12		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	TS
Overall Length	23.62 in	Shaft Diameter	1.625 in
Shaft Extension	3.5 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	16955360ME	Connection Diagram	00519001ME

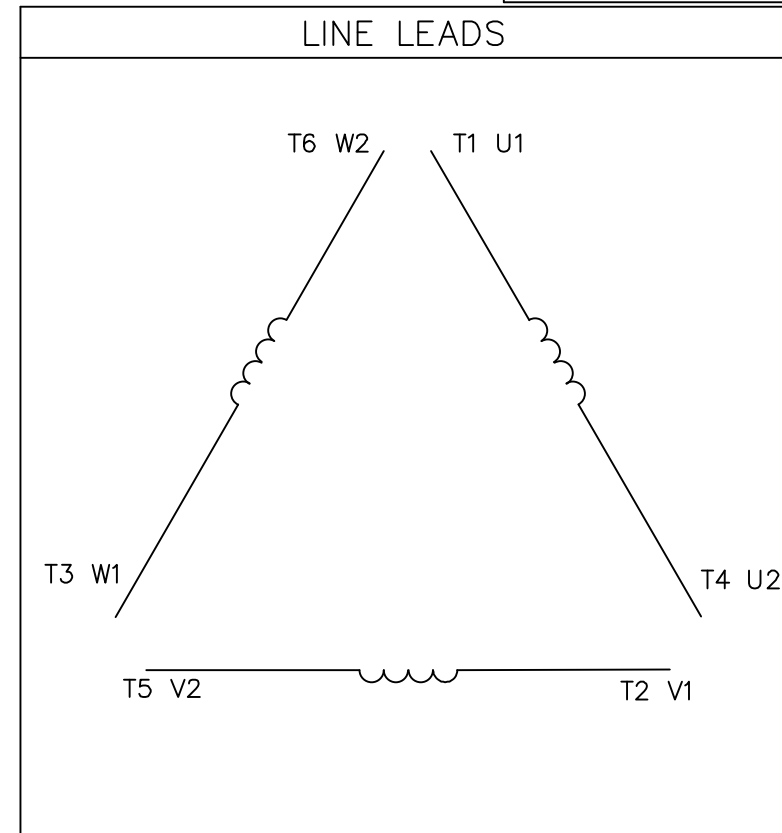
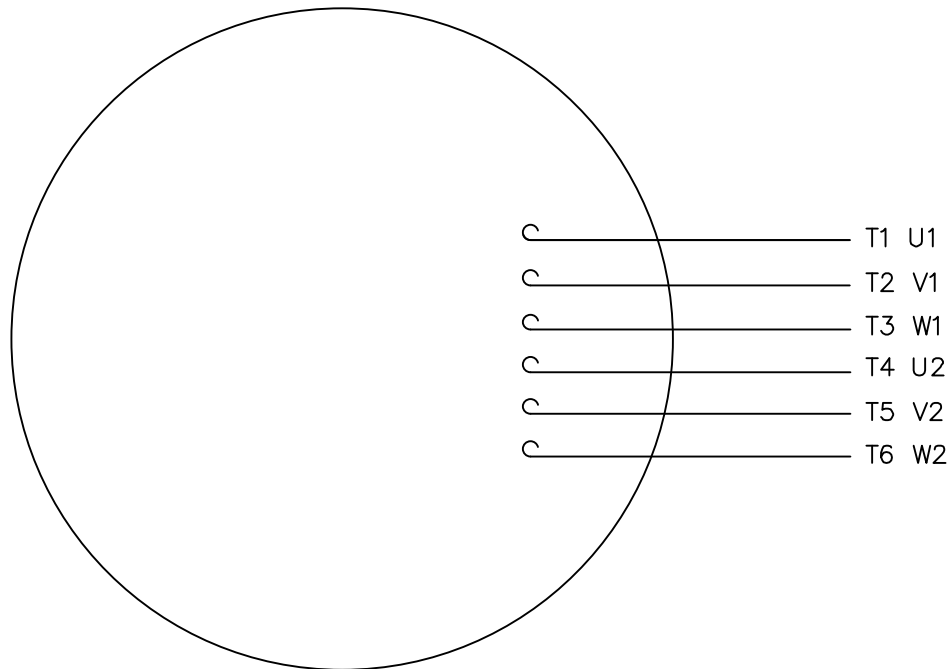
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 07/02/2018



NOTE: 286T HAS 6 MTG. HOLES, USING 254T AND 256T LOCATIONS

FRAME DESIGN	"C"	"BV"
284TS	22.17	9.11
286TS	23.62	9.83

			TOLERANCES UNLESS SPECIFIED				DRAWN CTO 04-24-2002	
			DEC.	INCHES			CHK ML 05-20-2002	
			.X	±.1	TITLE		SCALE 1=1	
			.XX	±.03	OUTLINE 280TS FRAME		REF	
2 UPDATED DRAWING			RJW	04-25-07	DRIP PROOF - RIGID NEW CON-BOX		APPD SB 05-21-2002	
1 NEW DRAWING			CTO	05/21/02	MAT'L CAST IRON		FMF	
NO. REVISION			BY & DATE		FINISH		PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT					RFP	CAD FILE	16955360me	SIZE B
					ANG	±1/2"	DRAWING NO.	169553-60ME
					DIST		REV.	2



	L1	L2	L3	JOIN
START (WYE)	T1 U1	T2 V1	T3 U2	(T4,T5,T6) (U2,V2,W2)
RUN (DELTA)	(T1,T6) (U1,W2)	(T2,T4) (V1,U2)	(T3,T5) (W1,V2)	

				TOLERANCES UNLESS SPECIFIED				DRAWN PG 05/07/82	
				DEC.	INCHES			CHK	
				.X	±.1	TITLE EXTERNAL WIRING DIAGRAM STAR START - DELTA RUN		APPD TEM 05/07/82	
03	ADDED IEC DESIGNATIONS	MOL 04/27/12	.XX	±.01	MAT'L. Y-CONNECTED START - DELTA CONNECTED RUN			SCALE 1=1	
02	REMOVED OBSOLETE STATUS	KJH 06/28/99	.XXX	±.005			FINISH SINGLE VOLTAGE		REF
01	REDRAWN ON CAD	DBT 05/30/97	.XXXX	±.0005	NO. REVISION BY & DATE CHK ANG ±1/2'				FMF
				RFP			CAD FILE 00519001ME		SIZE A
				DIST					

THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT

Data Sheet

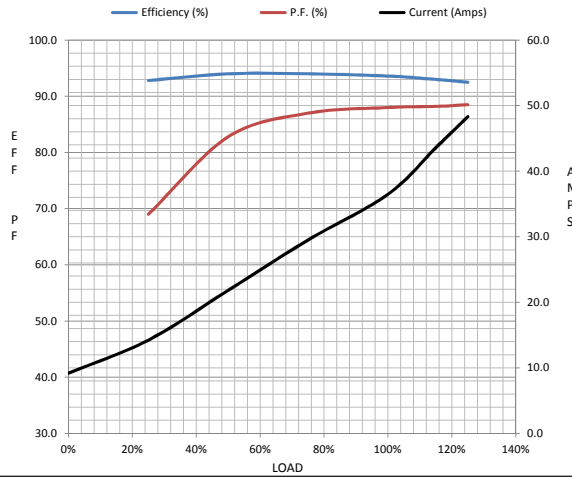
Date: 16-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



286TSTD6003
Submittal
 Data @ 575 V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	9.2	14.2	21.8	29.5	36.5	43.6	48.3	268	
Torque (ft-lb)	0.00	17.7	33.2	47.4	60.0	69.0	78.3	124	
RPM	3600	3585	3575	3565	3560	3,545	3535	0	
Efficiency (%)		92.8	94.0	94.0	93.6	93.0	92.5		
P.F. (%)	5.8	69.0	82.8	87.0	88.0	88.2	88.5	0.0	

Motor Speed Data						Information Block	
	LR	Pull-Up	BD	Rated	Idle		
Speed (RPM)	0	1800	3312	3560	3600		
Current (Amps)	268	247	161	36.5	9.2		
Torque (ft-lb)	124	106	190	60.0	0.00		



HP	40.0			
Sync. RPM	3600			
Frame	286			
Enclosure	DP			
Construction	TDC			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	75 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T14502018 NONE			
Sound Pressure @ 1M	78 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	16955360ME			
Conn. Diag	51090.01			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

