

PRODUCT INFORMATION PACKET

Model No: 145TTWR16029
Catalog No: N629A
1.5, 1800, TEFC, 145TC, 3/60/575
General Purpose



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Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	575 V
Current	1.9 A	Speed	1750 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	145TC
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	55		

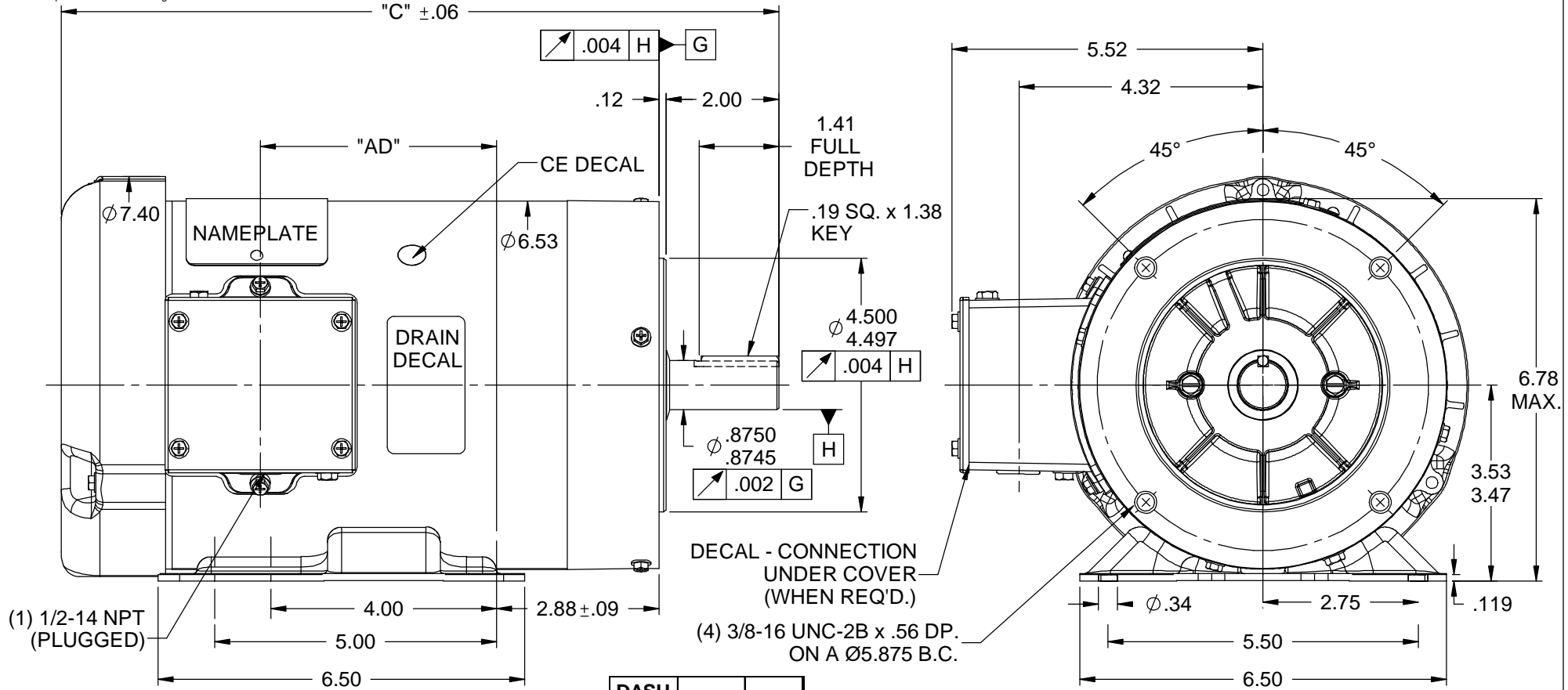
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	13.22 in	Frame Length	7.50 in
Shaft Diameter	0.875 in	Shaft Extension	2.00 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028811ME-750	Connection Diagram	005102.01

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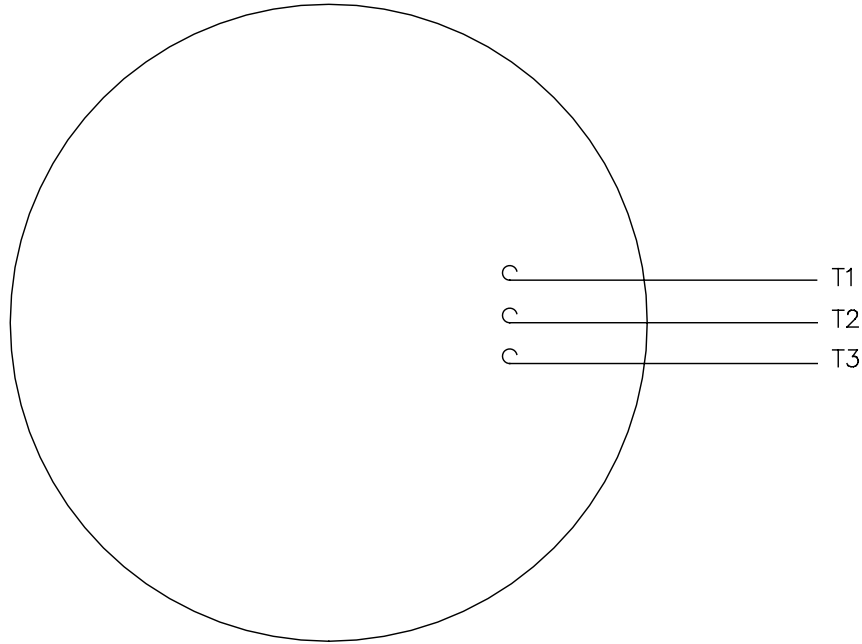


- NOTES:
- 1) SHAFT SEALS & V-RING.
 - 2) PLUGGED DRAIN HOLES IN ENDBELLS & CONDUIT BOX.
 - 3) GASKETS THROUGHOUT.
 - 4) STAINLESS STEEL SHAFT, HARDWARE, & NAMEPLATE

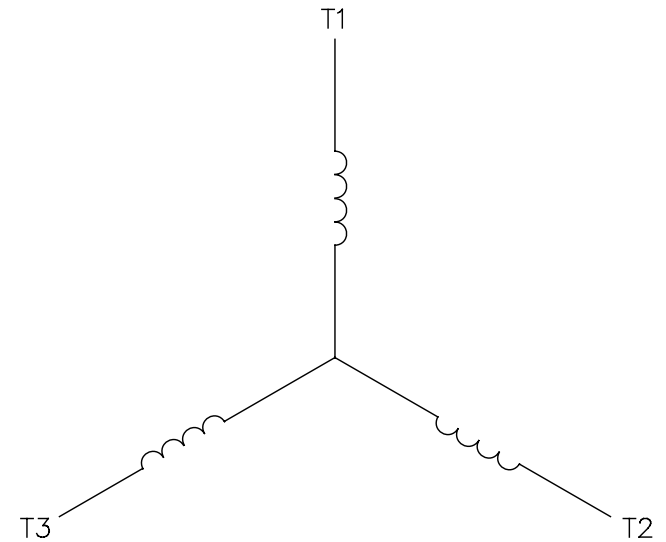
		TOLERANCES UNLESS SPECIFIED			DRAWN VS 02/03/09
		DEC	INCHES		CHK
		.X	±.1		APPR VS 02/03/09
		.XX	±.03		SCALE 3:8
02	ADDED ITEM # 775 (145TTWR15503)	VS 04-09-2012	.XXX	±.005	REF 028811
01	REMOVED KNOCKOUTS FROM BOX COVER ISAAC 10-3213	SAD 7/27/2010	GWS.XXXX	±.0005	FMF 145TTWR14002
NO	REVISION	BY & DATE	CHK ANG	±1/2°	PAGE OF
THIRD ANGLE PROJECTION			RFP	PREV	SIZE A
				NETWORK FILE NAME 028811ME	DRAWING NO 028811ME
					REV 02

005102-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



CONNECT LEADS AS FOLLOWS
FOR FOUR CONDUCTOR CORD ()

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

				TOLERANCES UNLESS SPECIFIED		Regal Beloit America, Inc.		DRAWN JRW 9/11/75		
				DEC.	INCHES			CHK		
				.X	±.1			APPD JCW 9/11/75		
08	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR		SCALE 1=1		
07	UPDATED TO CURRENT STANDARDS	DBT 5/30/97		.XXX	±.005			REF W-T6343-6		
06	REDRAWN ON CAD; ADDED DECAL NUMBER	SAW 1/24/95		.XXXX	±.0005			FMF 6T17FB7		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	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	5/1/02	CAD FILE 00510201		SIZE	DRAWING NO.	REV.
				DIST	BRF-NLV			A	005102-01	08



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____ CUSTOMER P.O. #: _____
 ORDER #: _____ REFERENCE MODEL #: 145TTWR16029
 CONN. DIAGRAM: 005102.01 CAT #: N629A
 OUTLINE: 028811ME-750 CUSTOMER PART #: _____
 WINDING: T634341 FR 4 MOUNTING: F1 ONLY
 SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
1.5	1.1	1800	1750	145TC	TEFC	TEF	L	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	1.9	LINE OR INVERTER	CONT	F	1.15	40	3300
F.L. EFF		86.5	3/4 LD EFF	87.2	1/2 LD EFF	84.0	GTD EFF	ELECT. TYPE	
F.L. PF		67.7	3/4 LD PF	63.0	1/2 LD PF	55.0	0.0	SO CAGE INV BATED	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)		
4.5 LB-FT	14.8	17.2 LB-FT	20.4 LB-FT	45%		
@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	START/SHOUR	MOTOR WGT
65 DBA	74 DBA	0.14 LB-FT ²	0.1 LB-FT ²	10 SEC.	3	0 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	HTE - LEESSON(EPO)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE BALL 6205	POLYREX EM	T	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

* INVERTER TORQUE: CONSTANT 1000:1
 INV. HP SPEED RANGE: NONE

ENCODER: NONE
 NONE
 NONE
 BRAKE: NONE
 NONE
 NONE
 NONE PPR

PREPARED BY: FAREEDA DUDEKULA
 DATE: 9/17/2018

FORM: 3531 REV 4 2/27/06

UL: V/INS, CONST UL REC

HZ:

Data Sheet

145TWR16029



Submital
Data @ 575 V

Date: 9/17/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA

Motor Load Data

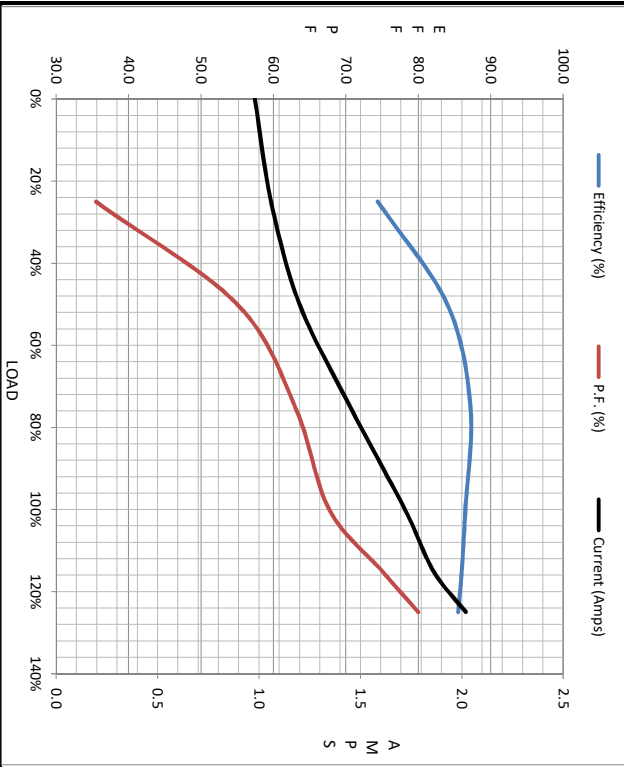
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.98	1.06	1.20	1.45	1.72	1.86	2.02	14.8
Torque (ft-lb)	0.00	1.10	2.25	3.4	4.5	5.2	5.6	17.2
RPM	1800	1785	1772	1760	1750	1,738	1732	0
Efficiency (%)		74.4	84.0	87.2	86.5	86.0	85.5	
P.F. (%)	9.9	35.5	55.0	63.0	67.7	75.0	80.0	48.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1600	1750	1800
Current (Amps)	14.8	12.9	9.7	1.72	0.98
Torque (ft-lb)	17.2	16.0	20.4	4.5	0.00

Information Block

HP	1.5			
Sync. RPM	1800			
Frame	140182TFC080			
Enclosure	TEFC			
Construction	TFR			
Voltage	575 V			
Frequency	60 HZ			
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	45 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.14 Lb-Ft ²			
Ret Wdg	T634341 FR			
Sound Pressure @ 1M	65 dBA			
VFD Rating	CONSTANT 1000:1			
Outline Dwg	028811ME-750			
Conn. Diag	005102.01			
Additional Specifications:				
0				
0				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

