

PRODUCT INFORMATION PACKET

Model No: 145TTFC6026

Catalog No: GT1004

1.50 HP General Purpose Motor, 3 phase, 1800 RPM, 230/460 V, 145T Frame, TEFC
Three Phase TEFC Motors



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REGAL

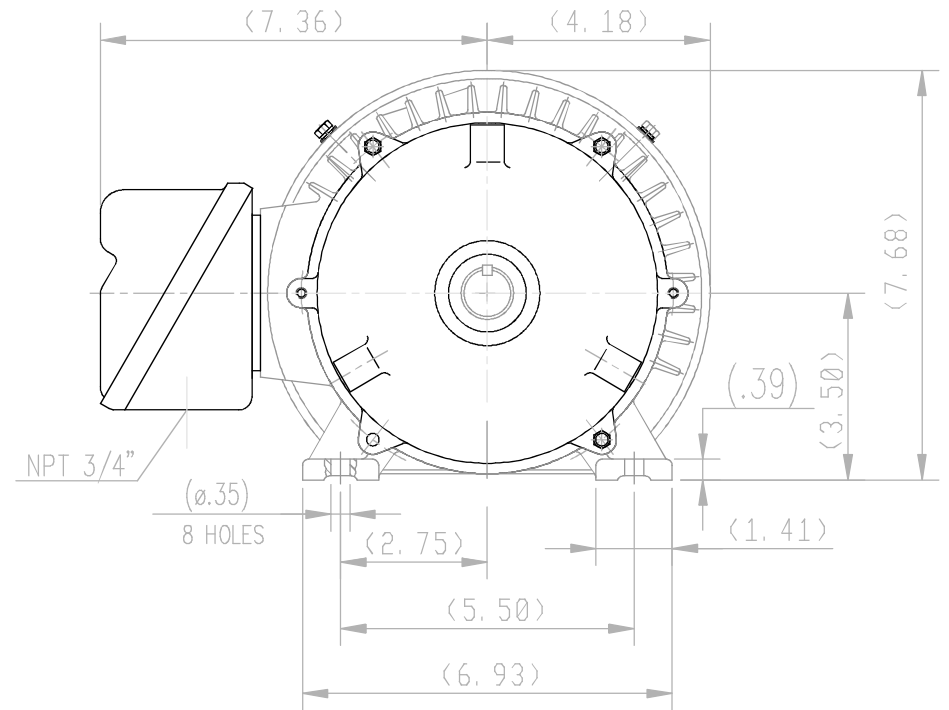
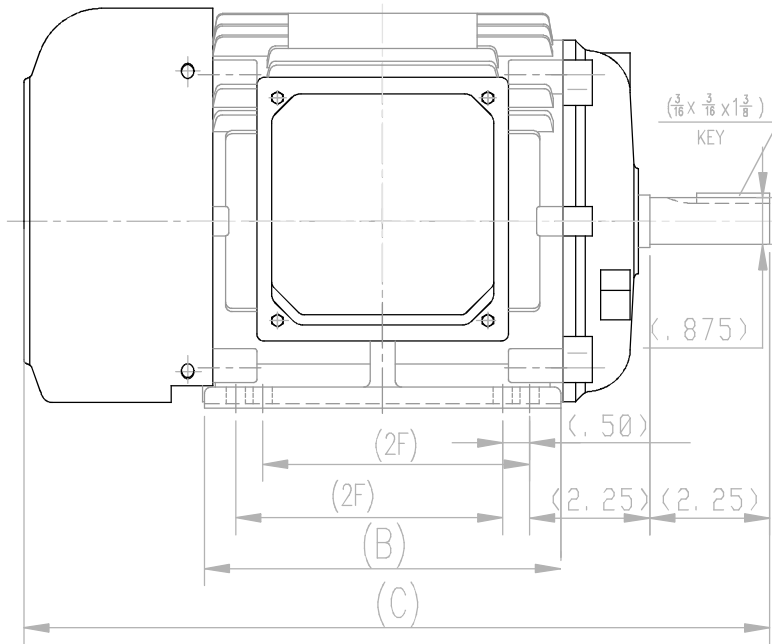
Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.0/2.0 A	Speed	1740 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
Frame	145T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	14.20 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	EE7308	Outline Drawing	SS620599-145T

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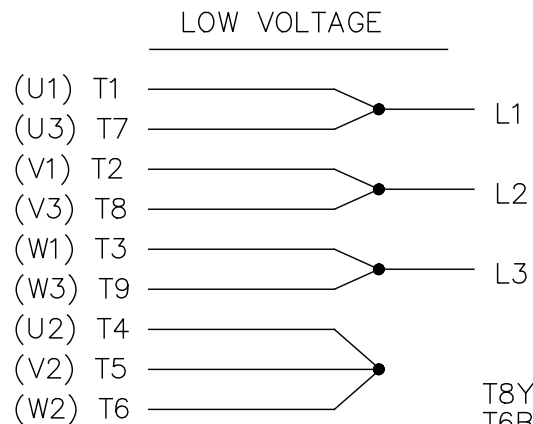
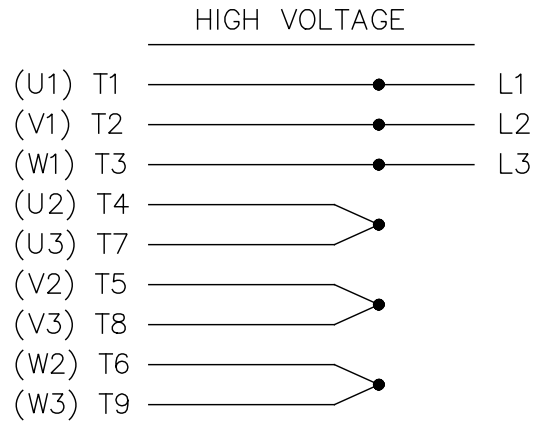


143T	13.2	5.71	4.0
145T	14.2	6.70	5.0
FRAME	C	B	2F

		TOLERANCES UNLESS SPECIFIED		REGAL Regal-Beloit Corporation		DRAWN		
		DEC.	INCHES			ZYH 7.5.2012		
		.X	±.1	TITLE		CHK HZJ 7.5.2012		
		.XX	±.03	143/145T FR TEFC-SEVERE DUTY		APPD WGH 7.5.2012		
		.XXX	±.005	SCALE		REF		
		.XXXX	±.0005	MAT'L		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV		
			RFP		CAD FILE	SS620599		
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						B	SS620599	

EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD
CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					



Regal Beloit America, Inc.



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

CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER

ORDER #:

PO#:

CONN. DIAGRAM: EE7308

MODEL #: 145TTF6026 AA

OUTLINE: SS620599-145T

CUSTOMER PART

WINDING #: CHT145040001 2

#:

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&0.75	1800	1740&1452	145T	TEFC	L	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	4/2&3.3/1.65	ACROSS THE LINE	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	86.5&84	3/4 LOAD EFF:	86.5	1/2 LOAD EFF:	84	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	83&80.5	3/4 LOAD PF:	78	1/2 LOAD PF:	66	85.5		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	35 / 17.5	14.6 LB-FT 320 %	17.5 LB-FT 385 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	- LB-FT^2	- LB-FT^2	20 SEC.	2	62 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD HUBLESS	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	CAST IRON
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

* N O T E S *	INVERTER TORQUE: NONE
	INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE NONE NONE PPR
	BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

PREPARED BY: Anusha Muthyala
DATE: 09/24/2019 01:39:21 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 19-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



145TTFC6026

Submittal

Data @ 460 V

Motor Load Data

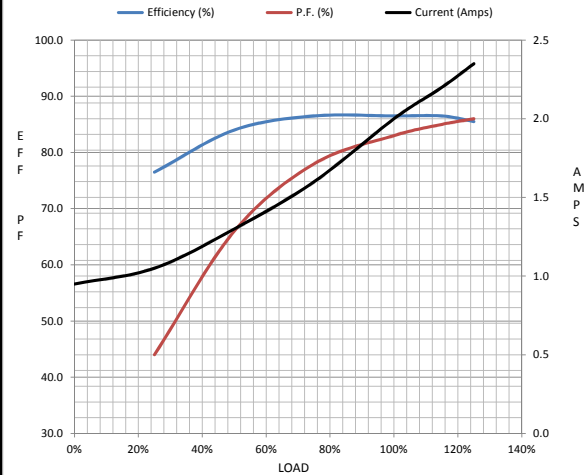
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.95	1.05	1.30	1.60	2.00	2.20	2.35	17.5
Torque (ft-lb)	0.00	1.10	2.20	3.4	4.5	5.2	5.7	14.6
RPM	1800	1785	1770	1756	1740	1,730	1725	0
Efficiency (%)		76.5	84.0	86.5	86.5	86.5	85.5	
P.F. (%)	9.0	44.0	66.0	78.0	83.0	85.0	86.0	67.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1650	1740	1800
Current (Amps)	17.5	15.0	10.0	2.00	0.95
Torque (ft-lb)	14.6	12.0	17.5	4.5	0.00

Information Block

HP	1.5			
Sync. RPM	1800			
Frame	145			
Enclosure	TEFC			
Construction	TFC			
Voltage	30/460#190/38V			
Frequency	60 Hz			
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	65 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-FT ²			
Ref Wdg	CHT145040001 NONE			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	SS620599			
Conn. Diag	EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

