

PRODUCT INFORMATION PACKET



Model No: 122229.00
Catalog No: 122229.00
Special Voltage Motor, 2 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 145TC Frame, TEFC



Regal and LEESON are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E



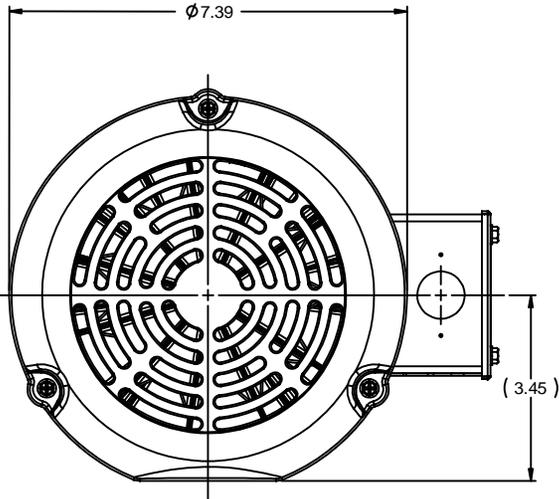
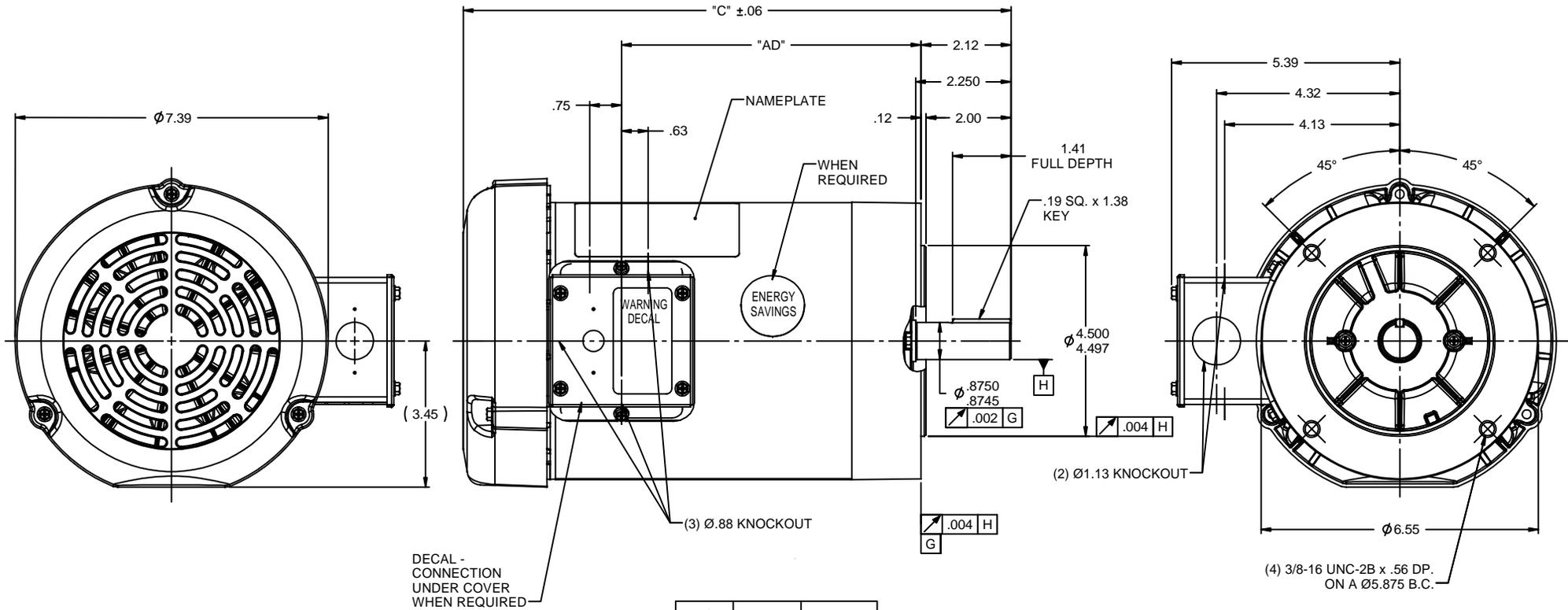


Nameplate Specifications

Phase	3	Output HP	2 Hp
Output KW	1.5 kW	Voltage	575 V
Speed	1745 rpm	Service Factor	1.15
Frame	145TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	86.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	2.3 A	Power Factor	75.6
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

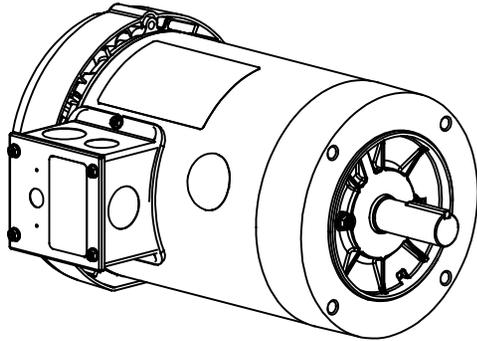
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	9.76 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.92 in
Frame Length	8.00 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028777-800	Connection Drawing	005102.13



DECAL - CONNECTION UNDER COVER WHEN REQUIRED

DASH NO.	"C"	"AD"
550	11.42	5.56
600	11.92	6.06
650	12.42	6.56
675	12.67	6.81
700	12.92	7.06
750	13.42	7.56
800	13.92	8.06

NOTE:
1) GASKETS THROUGHOUT



REVISION			BY & DATE	CHK	ANG	±1/2°	FINISH	GENERAL PURPOSE	SIZE	DRAWING NO	REV
05	ADDED FAN GUARD DIMENSIONS PER SALES	PG	1/5/2011	DEC					B	028777	05
04	ADDED DASH NO. 675	PG	5/21/2010	X							
03	ADDED ENERGY SAVINGS DECAL	PG	5/19/2010	.XX							
02	ADD "C" DIM. PER ISAAC 09-4157	LST	10/1/2009	.XXX							
01	REVISED GD&T POSITIONING & CALLOUT	KMM	8/27/07	.XXX.X							



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

TITLE OUTLINE - 140TC FRAME
TEFC - "C" FACE

DRAWN KMM 08/02/07

CHK

APPR

SCALE 7:16

REF 028504.00

FMF 120038.00

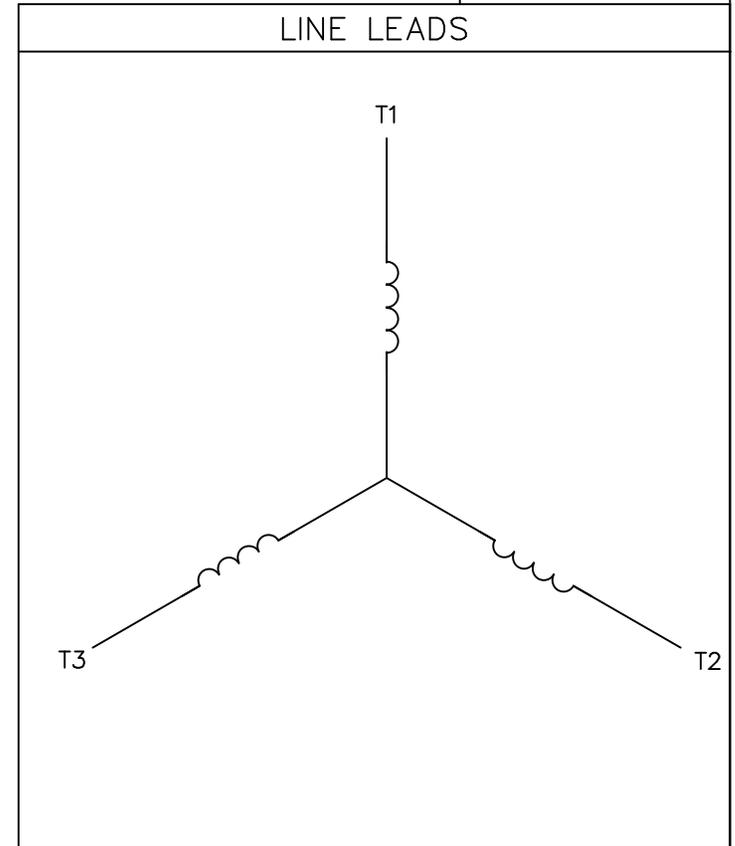
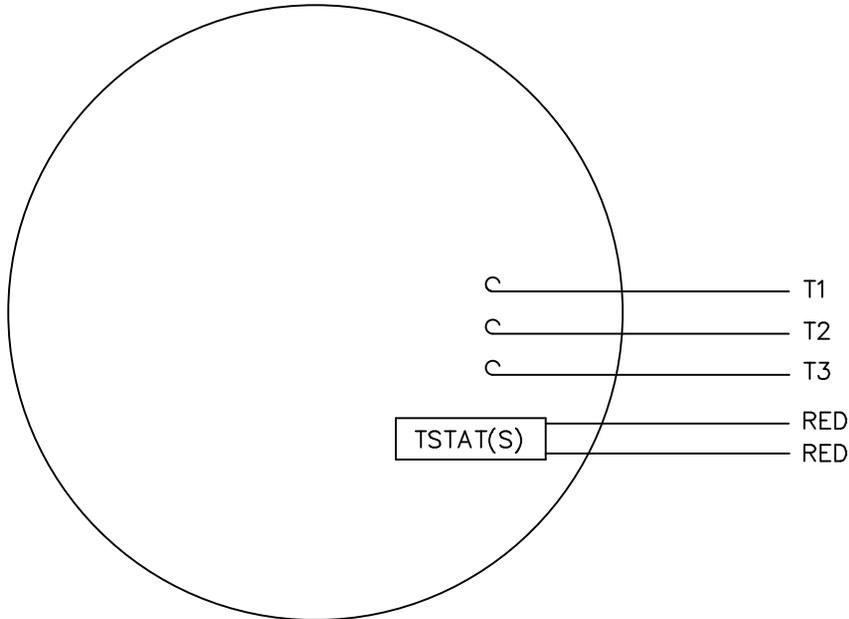
PAGE OF



NETWORK FILE NAME 028777

REV 05

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



CONNECT LEADS AS FOLLOWS

LINE	L1	L2	L3	
MOTOR	T1	T2	T3	

TOLERANCES UNLESS OTHERWISE SPECIFIED

DECIMALS

.00	± .01
.000	± .005
.0000	± .0005

FRACTIONS ± 1/64

ANGLES ± 1/2°

INCH/MM

LEESON ELECTRIC CORPORATION

DRAWN MN 9/28/98

CH'K'D.

APPR.

SCALE 1=1

REF. 005102-13

FMF

TITLE EXT. WIRING DIAGRAM
TYPE "T" W/O PROTECTOR

MAT'L. DECAL - 004169
(TSTAT) - 080582

FINISH

SIZE A DRAWING NO. 005102-13

NO.	REVISION	BY	DATE

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

Data Sheet

Date: 1/30/2018

122229.00



Data @ 575 V

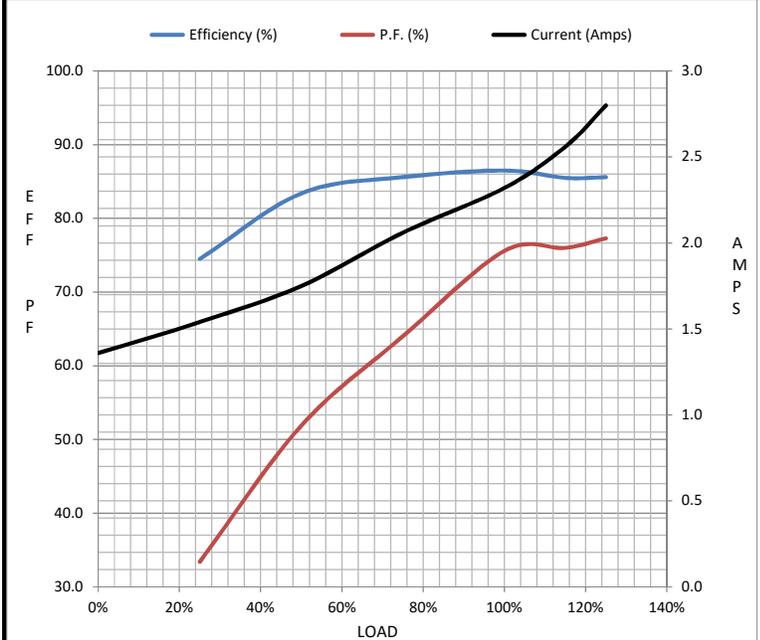
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.36	1.54	1.75	2.06	2.32	2.56	2.80	21.2
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.5	7.5	18.8
RPM	1800	1787	1774	1763	1751	1730	1732	0
Efficiency (%)		74.5	83.4	85.6	86.5	85.5	85.6	
P.F. (%)	7.1	33.4	51.9	64.0	75.6	76.0	77.3	42.0

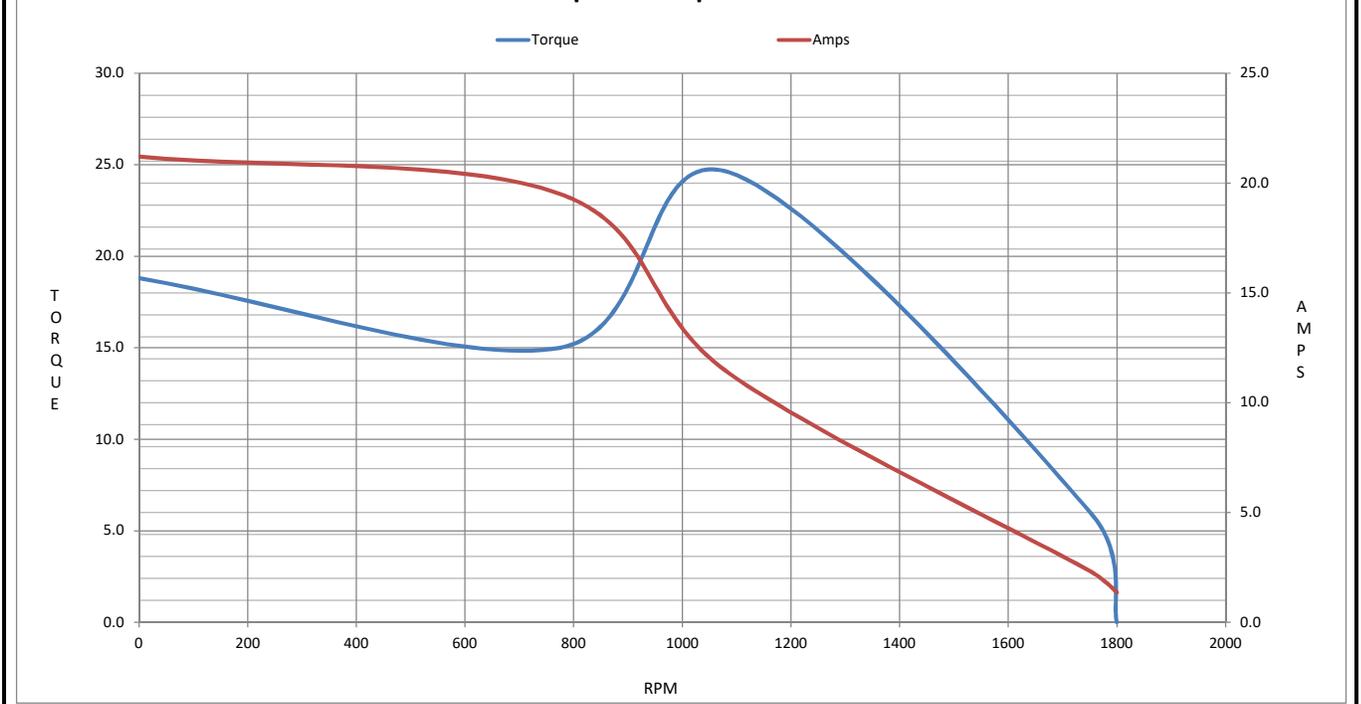
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	775	1085	1751	1800
Current (Amps)	21.2	19.5	11.4	2.32	1.36
Torque (ft-lb)	18.8	15.0	24.6	6.0	0.00

Information Block				
HP	2.0			
Sync. RPM	1800			
Frame	140			
Enclosure	TEFC			
Construction	TFR			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	53 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.16 Lb-Ft ²			
Ref Wdg	T634340 FR			
Sound Pressure @ 1M	65 dBA			
VFD Rating	NONE			
Outline Dwg	028777-800			
Conn. Diag	005102.13			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve



EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

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 : 122229.00

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

Catalog No : 122229.00

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

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

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

Authorized Representative:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25