PRODUCT INFORMATION PACKET

Model No: C145T34WK21A

Catalog No: 191492.00

..3HP..3450RPM.145TC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID C.....WASHGUARD - ALL STAINLESS.....

Paint Free

Product Information Packet: Model No: C145T34WK21A, Catalog No:191492.00 ..3HP..3450RPM.145TC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID C.....WASHGUARD - ALL STAINLESS.....

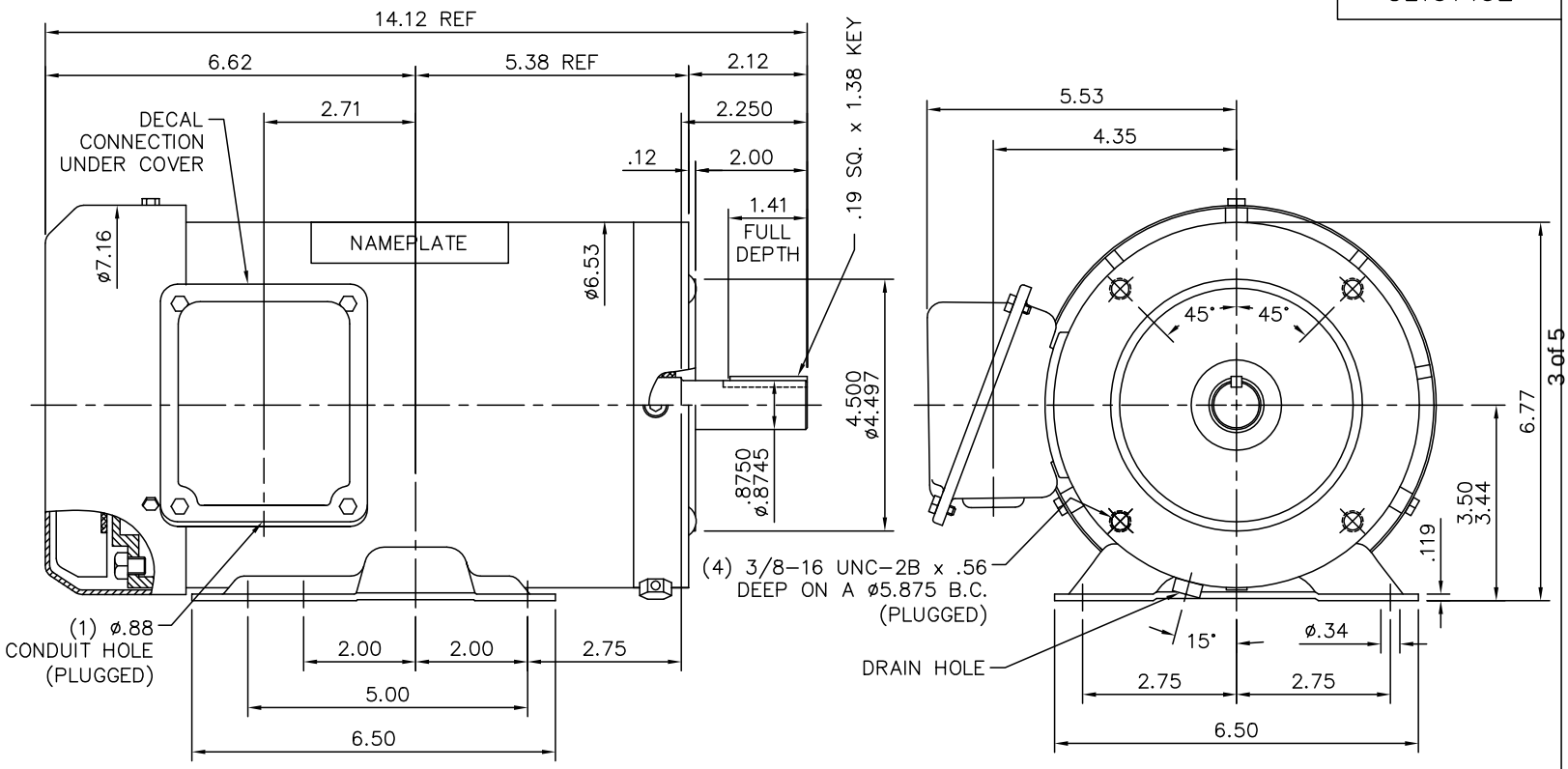
Nameplate Specifications

Output HP	**3 Hp**	Output KW	**2.2 kW**
Frequency	**60 Hz**	Voltage	**208-230/460 V**
Current	**8.0-7.2/3.6 A**	Speed	**3470 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**86.5 %**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**M**	Frame	**145TC**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6205**
Opp Drive End Bearing Size	**6205**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**55**		

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**2**	Rotation	**Reversible**
Mounting	**Rigid base**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**Stainless Steel**	Shaft Type	**T**
Overall Length	**14.12 in**	Frame Length	**8.39 in**
Shaft Diameter	**0.875 in**	Shaft Extension	**2.25 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**OL191492**	Connection Diagram	**005010.01**

OL191492



3 of 5

MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
PERMISABLE SHAFT RUNOUT .002 T.I.R.

GASKETS THROUGHOUT

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

LEESON — ELECTRIC MOTORS, GEARMOTORS AND DRIVES

TITLE: OUTLINE – 143–145TC FRAME TEFC – RIGID "C"

MAT'L.

FINISH

CAD FILE: OL191492

RFP

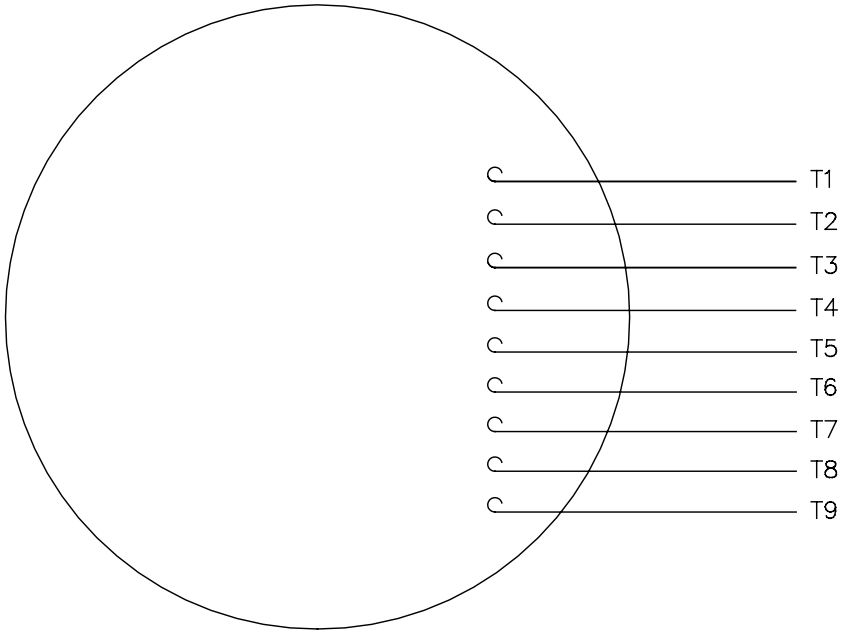
DIST

DRAWN	KJH 5/6/11
CHK	
APPD	
SCALE	3=8
REF	
FMF	
PREV	

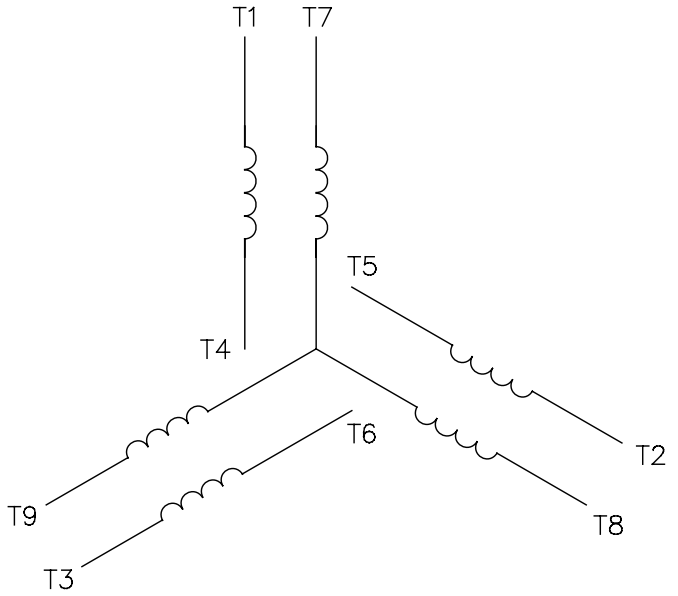
SIZE	DRAWING NO.	REV.
A	OL191492	

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

NO.	REVISION	BY & DATE	CHK
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

REGAL™ Regal Beloit America, Inc.

TITLE: EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR

MAT'L. DECAL – 004014

FINISH

CAD FILE 00501001

RFP 04/12/02

DIST BRF-NLV

DRAWN RDW 04/12/02 | CHK | APPD | SCALE 1=1 | REF FIG.2-51 | FMF | PREV

SIZE A | DRAWING NO. 005010-01 | REV. A

Data Sheet

Date: 1/31/2018

191492.00

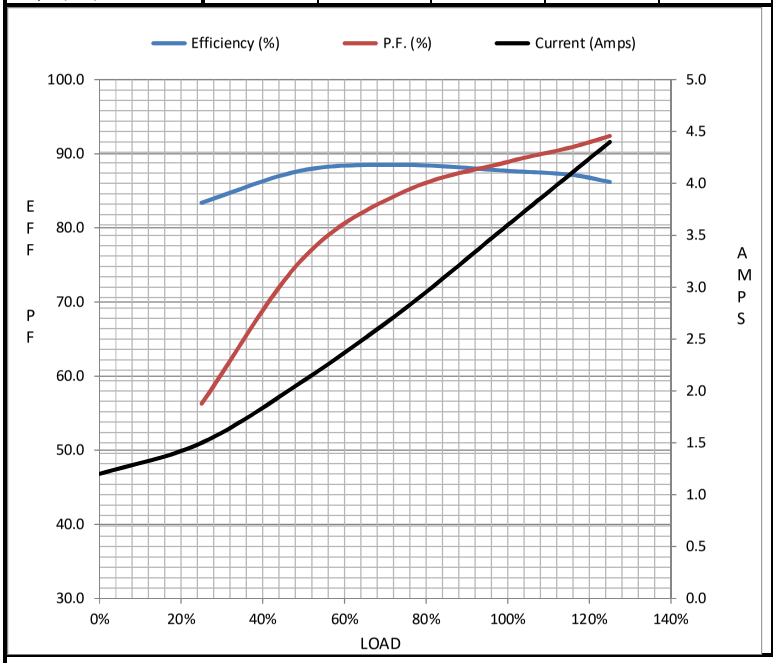
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.20	1.50	2.10	2.80	3.6	4.1	4.4	41.6	
Torque (ft-lb)	0.00	1.11	2.22	3.4	4.5	5.2	5.7	22.7	
RPM	3600	3571	3542	3511	3479	3,463	3442	0	
Efficiency (%)		83.4	87.8	88.5	87.7	87.2	86.2		
P.F. (%)	10.4	56.3	76.0	85.0	88.9	90.8	92.4	62.4	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	643	2386	3479	3600
Current (Amps)	41.6	38.1	27.3	3.6	1.20
Torque (ft-lb)	22.7	20.0	22.0	4.5	0.00



Information Block

HP	3.0	
Sync. RPM	3600	
Frame	0	
Enclosure	TEFC	
Construction	NA	
Voltage	208-230/460#190/380	V
Frequency	60	Hz
Design	A	
LR Code letter	M	
Service Factor	1.15	
Temp Rise @ FL	82	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.00	Lb-Ft²
Ref Wdg	QT63220 FR	
Sound Pressure @ 1M	0	dBA
VFD Rating	NONE	
Outline Dwg	OL191492	
Conn. Diag	005010.01	

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