PRODUCT INFORMATION PACKET

Model No: CZ145T17WK59A

Catalog No: 122211.00

122211.00..2HP..1745RPM.145JM.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID C FACE.CZ145T17WK59.....STAINLESS JM PUMP.NONE.....

JM Pump

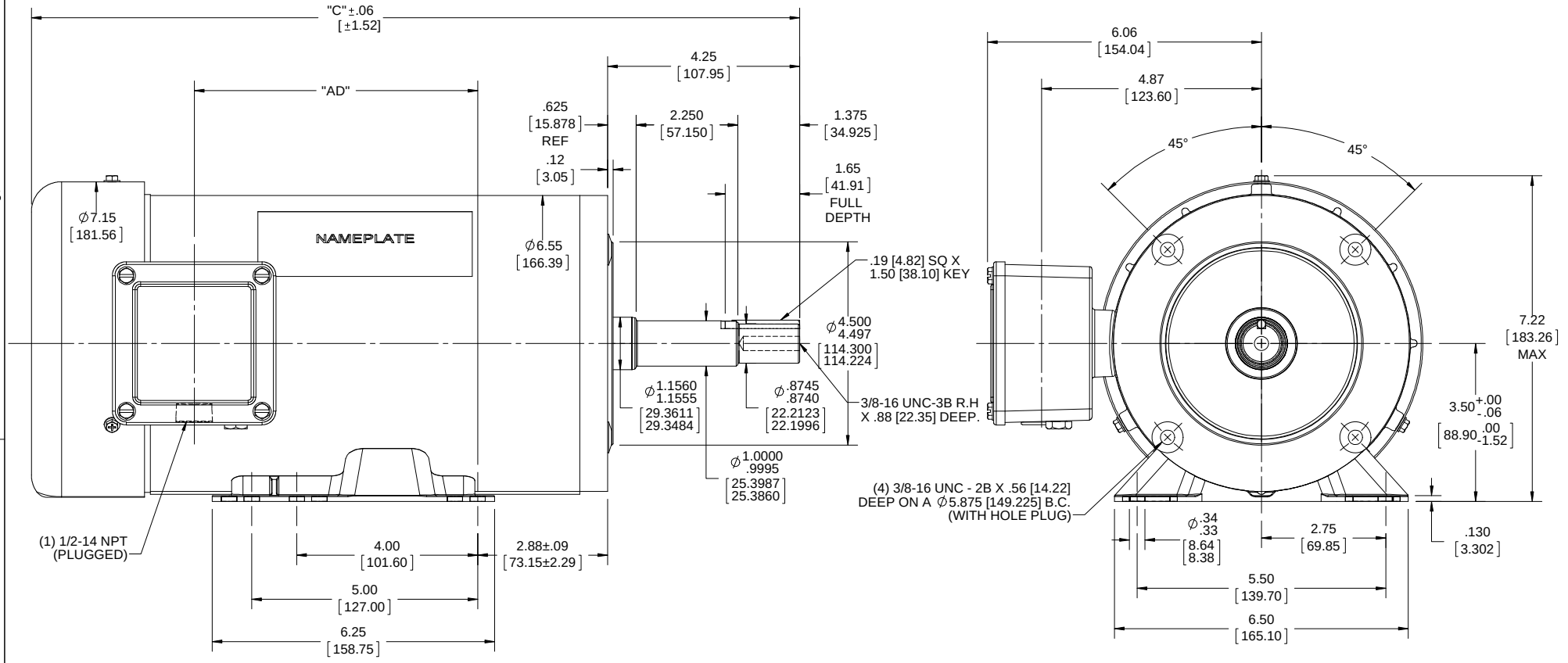
Product Information Packet: Model No: CZ145T17WK59A, Catalog No:122211.00
122211.00..2HP..1745RPM.145JM.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID C FACE.CZ145T17WK59.....STAINLESS JM PUMP.NONE.....

Nameplate Specifications

Output HP	**2 Hp**	Output KW	**1.5 kW**
Frequency	**60 Hz**	Voltage	**208-230/460 V**
Current	**6.0-5.8/2.9 A**	Speed	**1745 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**86.5 %**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**L**	Frame	**145JM**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6206**
Opp Drive End Bearing Size	**6203**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**56**		

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	**Stainless Steel**	Shaft Type	**JM**
Overall Length	**17.00 in**	Frame Length	**9.50 in**
Shaft Diameter	**0.875 in**	Shaft Extension	**4.21 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**028620-950**	Connection Diagram	**005010.01**



NOTE:-
1) VITON CONDUIT BOX & COVER GASKETS.
2) VITON O-RING IN END BELL RABBETS & UNDER BOLT HEADS.
3) VITON SHAFT SEAL.
4) BREATHER PLUG IN CONDUIT BOX & L.E ENDBELL.
5) ALL STAINLESS STEEL CONSTRUCTION .

MAXIMUM FACE RUNOUT TO BE .004 [.102] T.I.R.
MAXIMUM PILOT ECCENTRICITY .004 [.102] T.I.R.
PERMISSIBLE SHAFT RUNOUT .002 [.050] T.I.R.

DASH NO.	"C"	"AD"
850	16.00 [406.40]	5.27 [133.85]
900	16.50 [419.10]	5.77 [146.55]
950	17.00 [431.80]	6.27 [159.25]

DRAWING REVISION: G	REVISION BY: A.SUPPANNAVAR	DATE: 01/08/2018
ECO: ECO-0143018	APPROVED BY: PK	DATE: 04/10/2018
ECO DESCRIPTION: OUTLINE CONVERSION PROJECT		

TOLERANCES UNLESS OTHERWISE SPECIFIED:

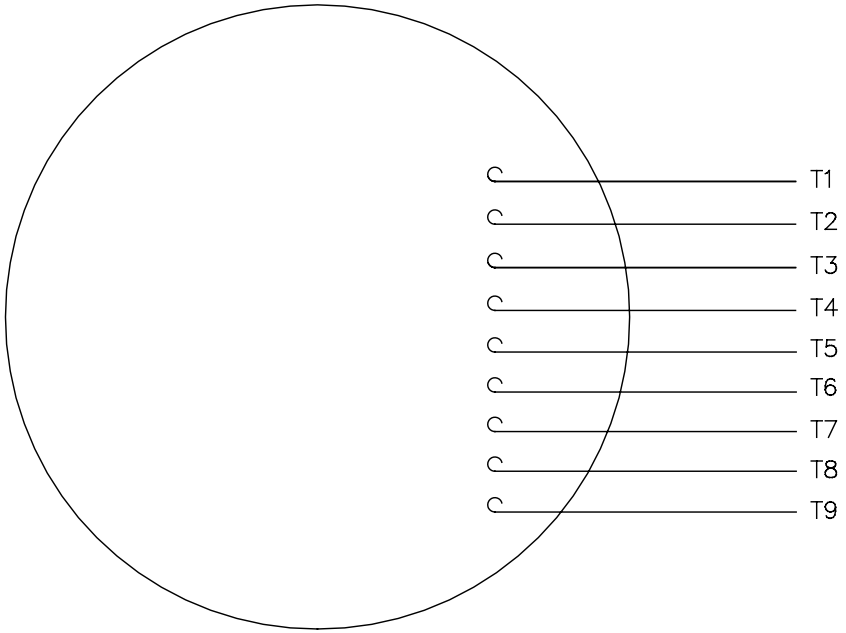
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm SHOWN IN [BRACKETS]

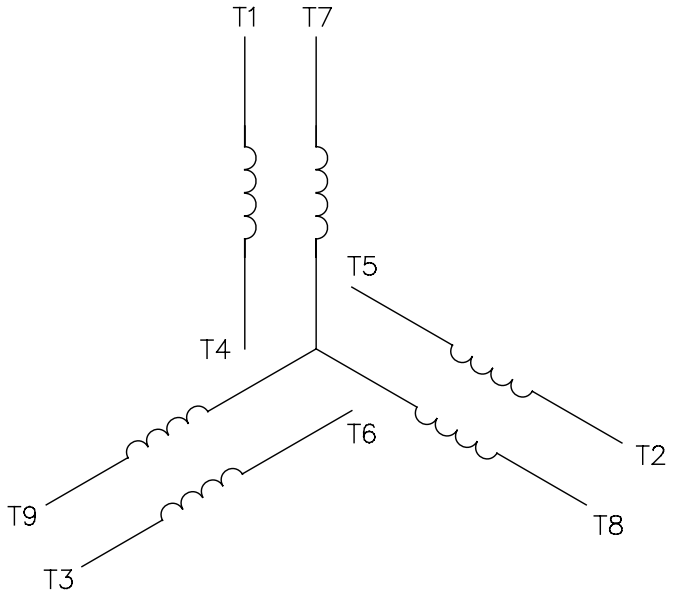
DRAWN BY: RDW	Regal Beloit America, Inc.
DATE: 8/3/04	
APPROVED BY: SW	DESCRIPTION: OUTLINE
DATE: 8/3/04	140JM FRAME TEFC - RIGID "C"
REFERENCE: 028620	MATERIAL: STAINLESS STEEL DUCK JM PUMP — PROCESS/FINISH:
THIRD ANGLE PROJECTION	SIZE: B — DRAWING NUMBER: 028620 — SHEET: 1 OF 1

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: 1/30/2018

122211.00

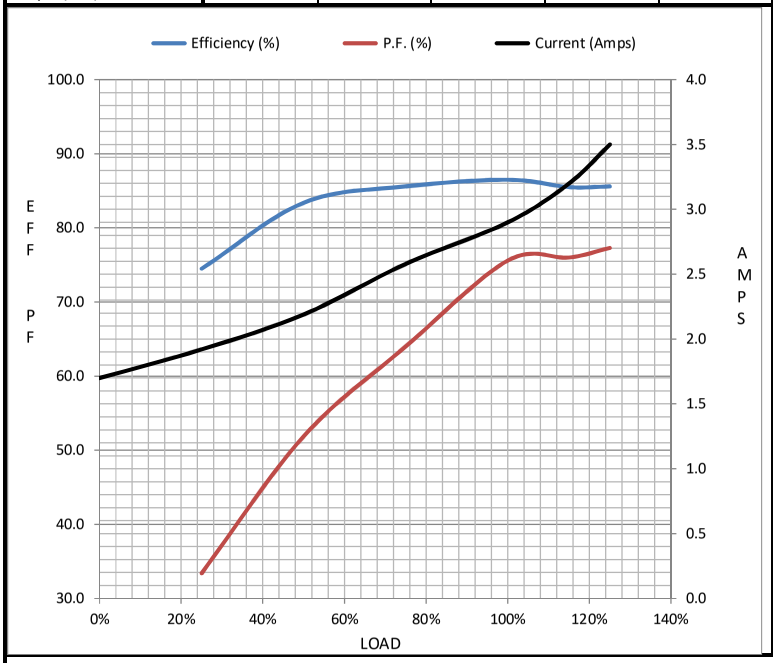
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.70	1.92	2.19	2.58	2.90	3.2	3.5	26.5	
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	1,730	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)	26.5	24.4	14.2	2.90	1.70
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	208-230/460#190/380	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 wk²	0.16	Lb-Ft²
Ref Wdg	T634340 FR	
Sound Pressure @ 1M	65	dBA
VFD Rating	VARIABLE 10:1	
Outline Dwg	028620-950	
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