PRODUCT INFORMATION PACKET

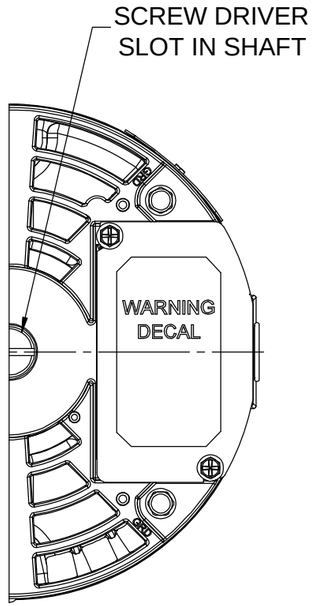
Model No: 113893.00
Catalog No: 113893.00
Jet Pump Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 56J Frame, DP

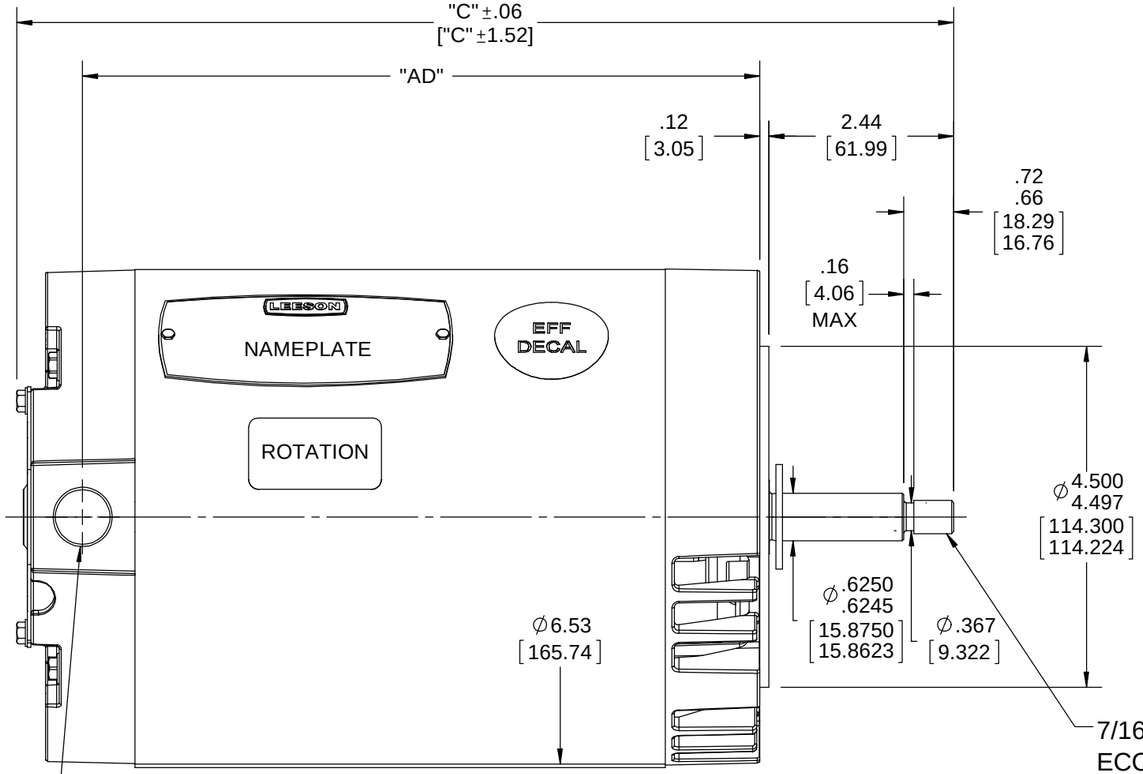
Nameplate Specifications

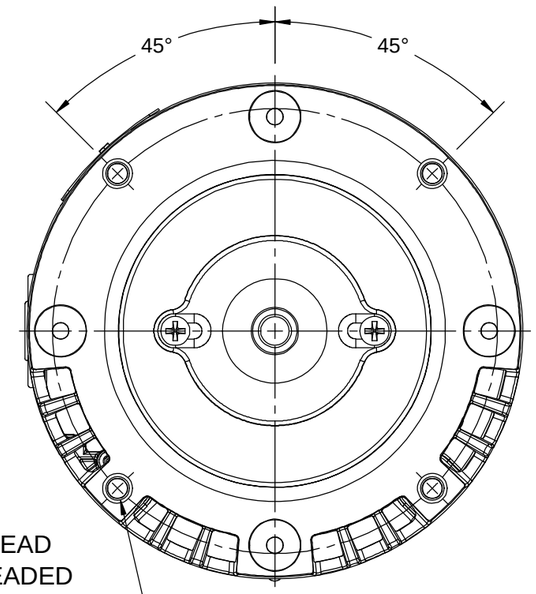
Phase	3	Output HP	3 & 2 Hp
Output KW	2.2 & 1.5 kW	Voltage	230/460 & 190/380 V
Speed	3450 & 2850 rpm	Service Factor	1.15 & 1.15
Frame	56J	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	84 & 84 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	7.6/3.8 & 7.4/3.7 A	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

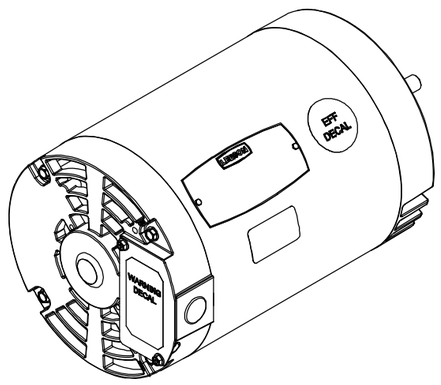
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	6.2 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	J	Overall Length	12.34 in
Frame Length	7.00 in	Shaft Diameter	0.625 in
Shaft Extension	2.44 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	029063-700	Connection Drawing	005010.01









NOTES:
1) FLINGER ON SHAFT
2) STAINLESS STEEL SHAFT EXTENSION
3) MAXIMUM FACE RUNOUT TO BE .004[.102] T.I.R.
4) MAXIMUM PILOT ECCENTRICITY .004[.102] T.I.R.

DASH NO.	"C"	"AD"
700	12.34 [313.44]	8.94 [227.08]

DRAWING REVISION A	REVISION BY	DATE
ECO ECO-0139851	APPROVED BY	DATE
ECO DESCRIPTION: OUTLINE CONVERSION PROJECT		

TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7' 30"
.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: 200 INCH / 5.1 mm
mm SHOWN IN [BRACKETS]

DRAWN BY	T. AHER
DATE	12/13/2017
APPROVED BY	PK
DATE	2/15/2018
REFERENCE	028540
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

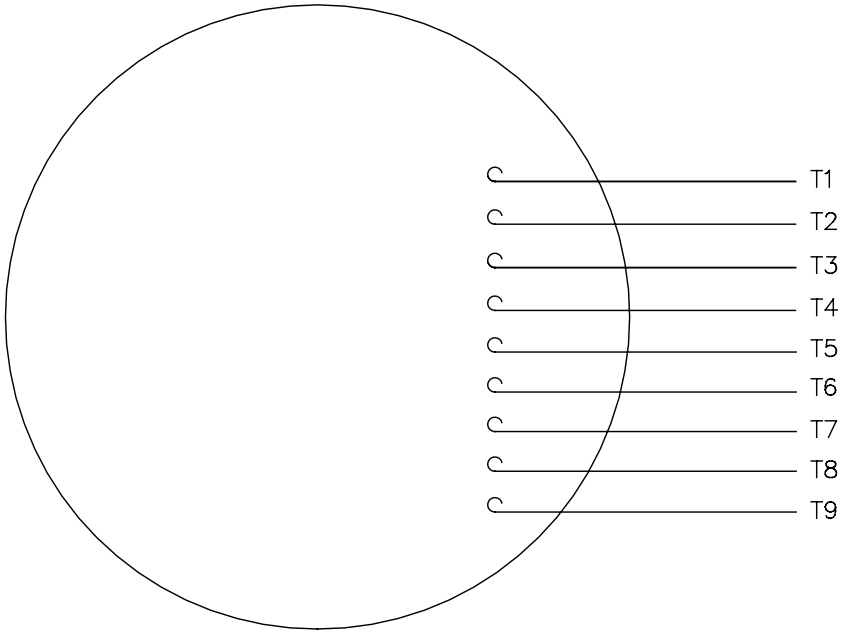
DESCRIPTION: OUTLINE
56 FRAME, DRIP PROOF - "C" FACE

MATERIAL | PROCESS/FINISH

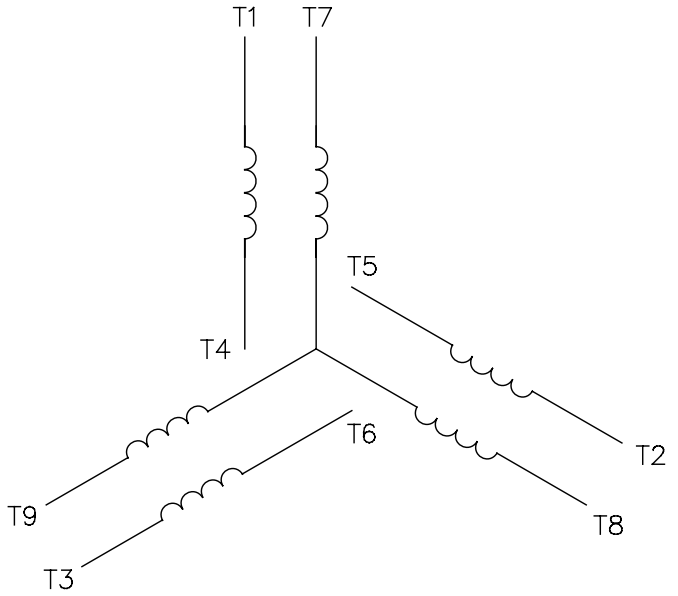
SIZE	DRAWING NUMBER	SHEET
B	029063	1 OF 1

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

LEESON

113893.00

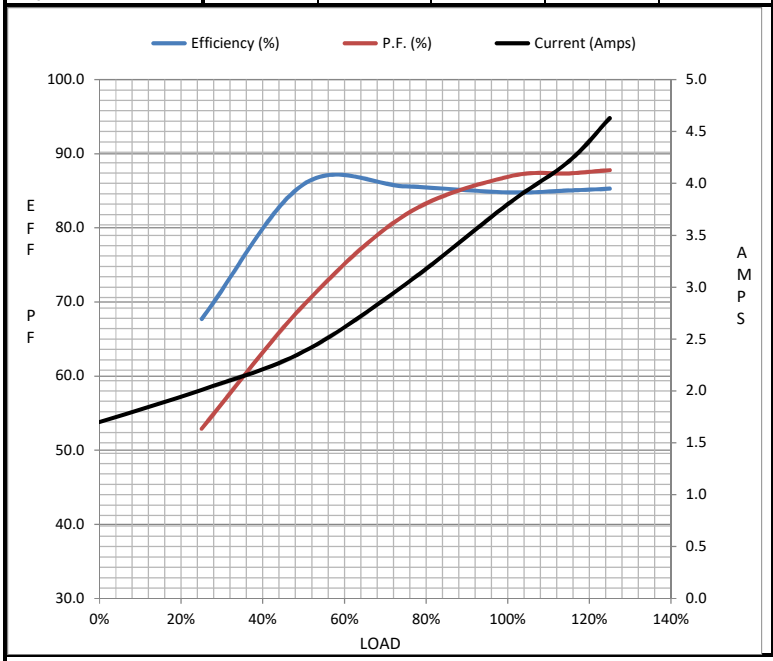
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.70	2.01	2.38	3.0	3.8	4.2	4.6	30.0	
Torque (ft-lb)	0.00	1.13	2.25	3.4	4.5	5.1	5.6	13.0	
RPM	3600	3569	3547	3519	3486	3,472	3452	0	
Efficiency (%)		67.7	85.9	85.6	84.8	85.1	85.3		
P.F. (%)	11.8	52.9	69.6	81.8	86.9	87.4	87.8	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	2300	3486	3600
Current (Amps)	30.0	27.6	18.0	3.8	1.70
Torque (ft-lb)	13.0	12.7	15.2	4.5	0.00



Information Block

HP	3.0	
Sync. RPM	3600	
Frame	140	
Enclosure	DP	
Construction	NA	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	J	
Service Factor	1.15	
Temp Rise @ FL	82	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.07	Lb-Ft²
Ref Wdg	T632164 DR	
Sound Pressure @ 1M	999	dBA
VFD Rating	NONE	
Outline Dwg	028540-700	
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