PRODUCT INFORMATION PACKET

Model No: C143T17FC39AA
Catalog No: 122084.00
..1HP..1800RPM.143JMV.TEFC.230/460V.3PH.60HZ.CONT.40C..C FACE.....JM PUMP.....
JM

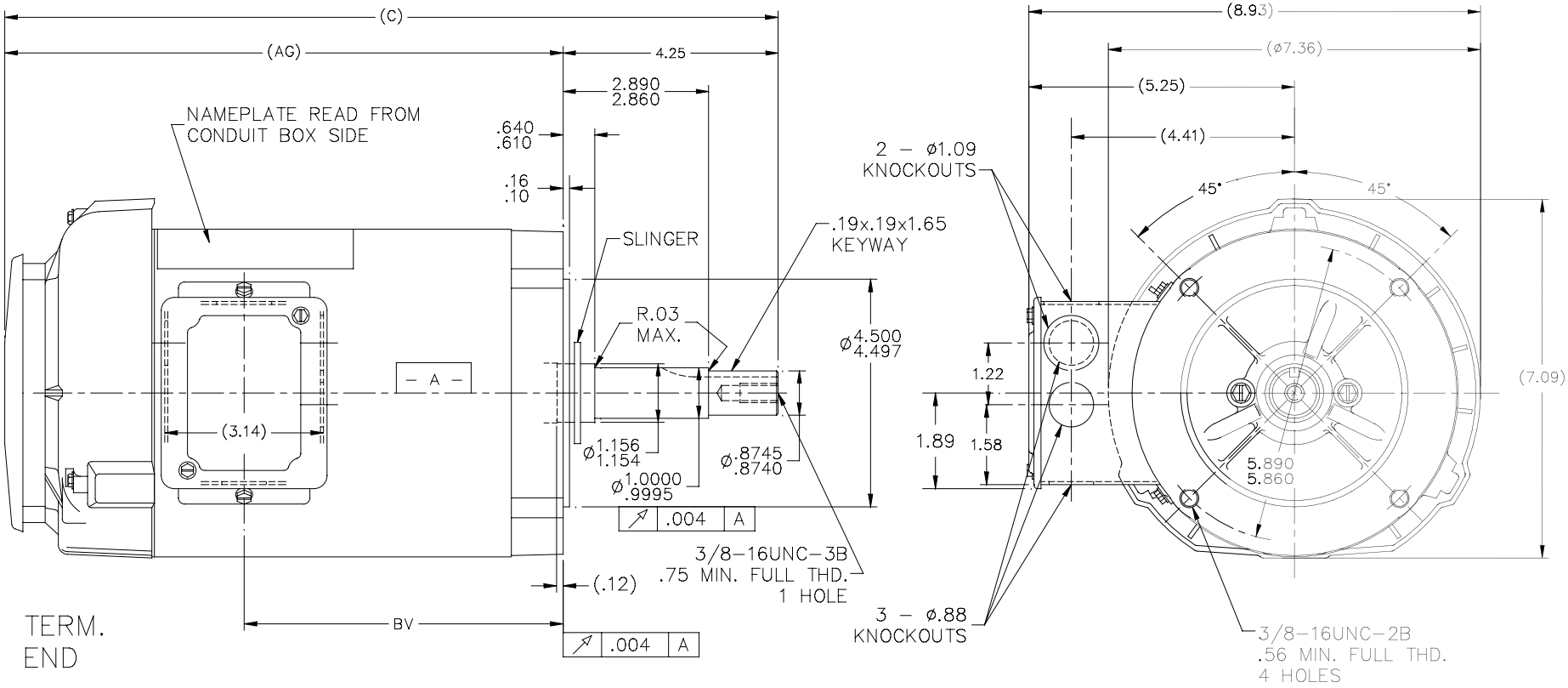
Nameplate Specifications

Output HP	**1 Hp**	Output KW	**0.75 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**3.3/1.7 A**	Speed	**1765 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**85.5 %**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**P**	Frame	**143JMV**
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	**43**		

Technical Specifications

Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Mounting	**Round**	Motor Orientation	**HORIZONTAL OR SHAFT DOWN**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**Rolled Steel**	Shaft Type	**JM**
Overall Length	**16.79 in**	Frame Length	**8.56 in**
Shaft Diameter	**0.875 in**	Shaft Extension	**4.28 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**B-100522-856**	Connection Diagram	**A-EE7308-REGAL**

100522



NOTES:
CONDUIT BOX CAN BE ROTATED 180°.

DASH	FR.	C	AG	BV	DASH	FR.	C	AG	BV
					806	145	16.29	12.04	7.31
656	145	14.79	10.54	5.81	856	145	16.79	12.54	7.81
706	145	15.29	11.04	6.31	906	145	17.29	13.04	8.31
756	145	15.79	11.54	6.81	956	145	17.79	13.54	8.81

08-10-2004

NO.	REVISION	BY & DATE	CHK
2	CHANGED LOGO TO REGAL	SL 09-07-2015	AB
1	NEW DRAWING 3840160	RM 09-12-1991	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

RFP
DIST WP

REGAL™ Regal Beloit America, Inc.

DRAWN RM 09-12-1991
CHK ML 09-12-1991
APPD MS 09-19-1991
SCALE 1=2
REF
FMF
PREV

TITLE OUTLINE
140 FR. – BB – TEFC – C'FACE – 1ø
MAT'L.
FINISH
CAD FILE 100522

SIZE	DRAWING NO.	PAGE	OF	REV.
B	100522			2

EE7308

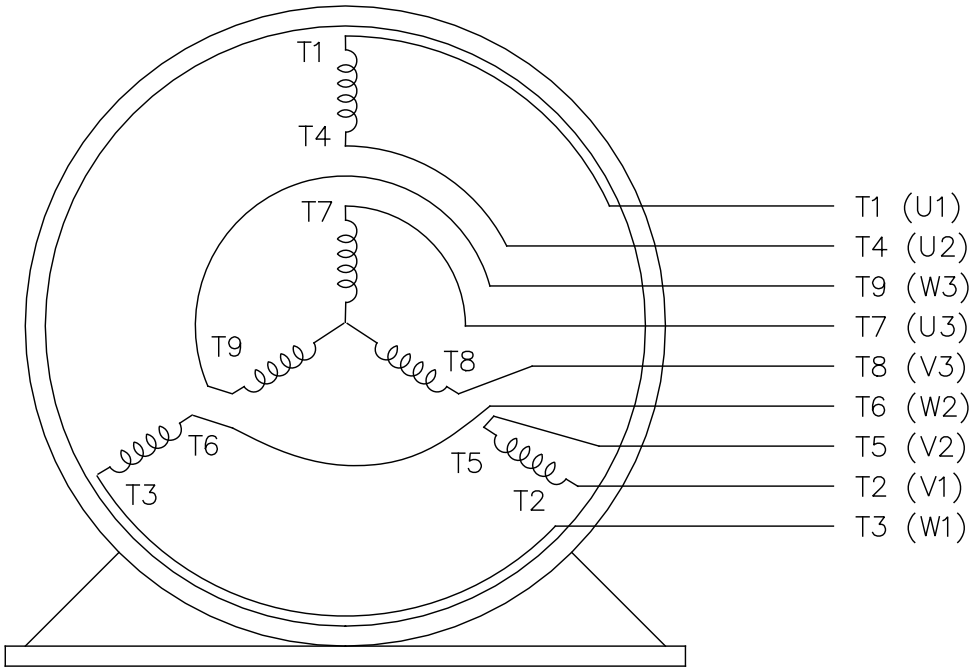
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE

(U1) T1 — L1
(V1) T2 — L2
(W1) T3 — L3
(U2) T4
(U3) T7
(V2) T5
(V3) T8
(W2) T6
(W3) T9

LOW VOLTAGE

(U1) T1
(U3) T7 — L1
(V1) T2
(V3) T8 — L2
(W1) T3
(W3) T9 — L3
(U2) T4
(V2) T5
(W2) T6



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
5	CHG TO REGAL LOGO	SL 09/10/2015	AB
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS
1	REDRAWN	RM 11/20/1990	

TOLERANCES UNLESS SPECIFIED

ANG	DEC.	INCHES
	.X	±.1
	.XX	±.02
	.XXX	±.005
	.XXXX	±.0005
	ANG	±7'30"

Regal Beloit America, Inc.

TITLE CONNECTION DIAGRAM
3ø – DUAL VOLTAGE MOTOR

MAT'L.
FINISH
CAD FILE ee7308
RFP
DIST WP

DRAWN RM	11/20/1990
CHK ML	11/21/1990
APPD SAS	04/24/2003
SCALE	1=1
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7308 | PAGE OF | REV. 5

Data Sheet

Date: 1/23/2018 **122084.00**

LEESON

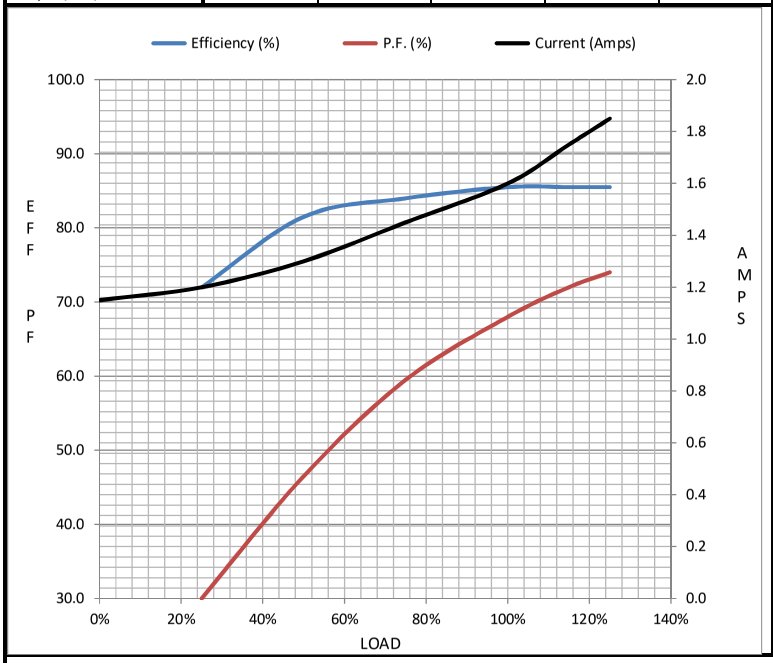
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.15	1.20	1.30	1.45	1.60	1.75	1.85	17.0	
Torque (ft-lb)	0.00	0.75	1.50	2.25	3.0	3.5	3.8	13.7	
RPM	1800	1790	1785	1775	1765	1,760	1755	0	
Efficiency (%)		72.0	81.5	84.0	85.5	85.5	85.5		
P.F. (%)	7.5	30.0	46.5	59.5	68.0	72.0	74.0	69.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	115	1270	1765	1800
Current (Amps)	17.0	16.0	11.0	1.60	1.15
Torque (ft-lb)	13.7	12.5	16.8	3.0	0.00



Information Block

HP	1.0	
Sync. RPM	1800	
Frame	143	
Enclosure	TEFC	
Construction	TFR	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	A	
LR Code letter	P	
Service Factor	1.15	
Temp Rise @ FL	30	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.12	Lb-Ft²
Ref Wdg	ZT4257 FR	
Sound Pressure @ 1M	62	dBA
VFD Rating	CONSTANT 2:1	
Outline Dwg	B-100522-856	
Conn. Diag	A-EE7308-REGAL	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
2.4250	1.6020	3.1050	2.7720	75.8630

Speed -Torque Curve