

PRODUCT INFORMATION PACKET



Model No: C145T17FC121AA

Catalog No: 122088.00

..1.5HP..1800RPM.145JMV.TEFC.230/460V.3PH.60HZ.CONT.40C..C FACE.....JM PUMP.....
JM



Regal and Leeson are trademarks of Regal Beloit Corporation or one of its affiliated companies.

©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E





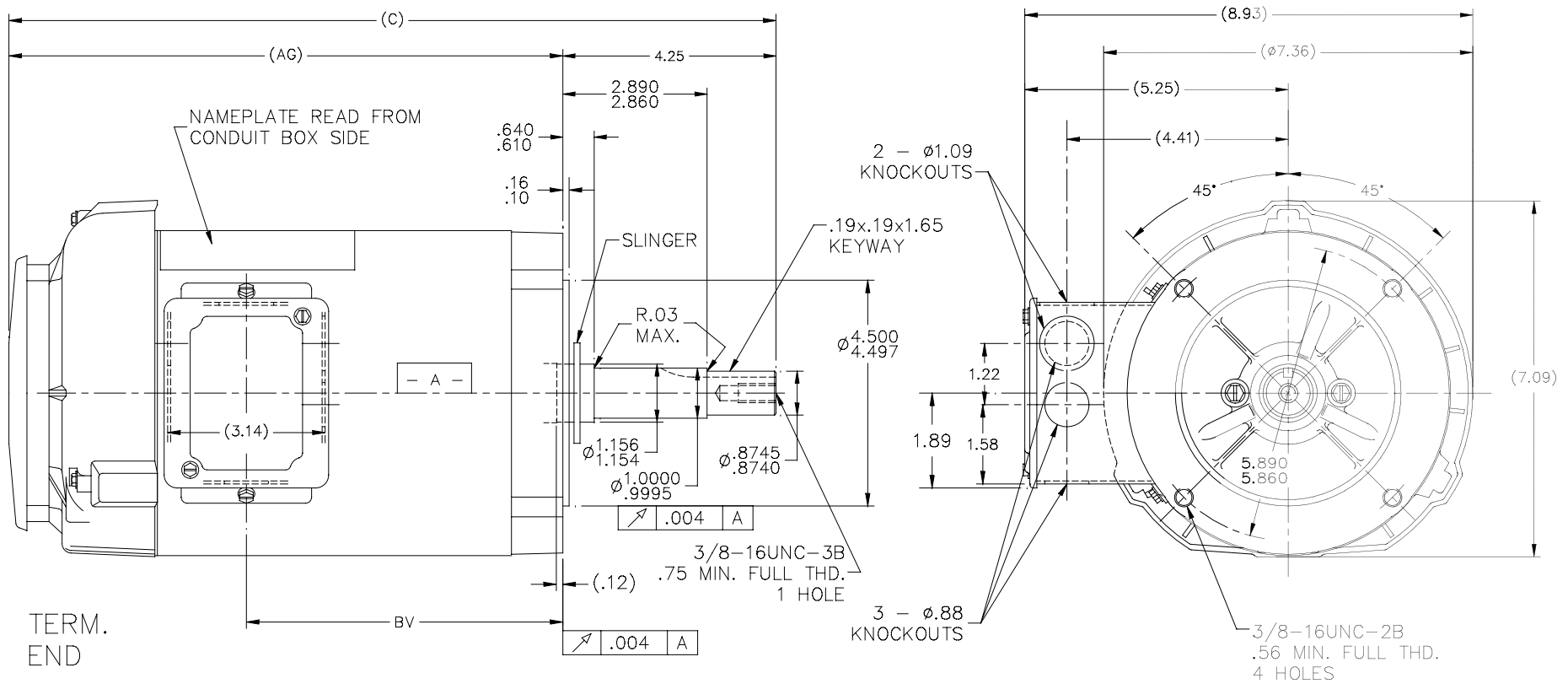
Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.6/2.3 A	Speed	1755 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	P	Frame	145JMV
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	17.29 in	Frame Length	9.06 in
Shaft Diameter	0.875 in	Shaft Extension	4.21 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	B-100522-906	Connection Diagram	A-EE7308-REGAL

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 10/15/2018



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

		TOLERANCES UNLESS SPECIFIED		REGAL™ Regal Beloit America, Inc.		DRAWN RM 09-12-1991	
		DEC.	INCHES			CHK ML 09-12-1991	
		.X	±.1			APPD MS 09-19-1991	
		.XX	±.03	TITLE OUTLINE		SCALE 1=2	
		.XXX	±.005	140 FR. - BB - TEFC - C'FACE - 1Ø		REF	
		.XXXX	±.0005	MAT'L.		FMF	
		ANG	±7'30"	FINISH		PREV	
NO.		REVISION	BY & DATE	CHK	ANG	FINISH	
2		CHANGED LOGO TO REGAL	SL 09-07-2015	AB	.XXX	±.005	
1		NEW DRAWING 3840160	RM 09-12-1991	RM	.XXXX	±.0005	
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 THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE 100522	SIZE B	DRAWING NO. 100522
				DIST WP		PAGE 2	REV. 2



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±'7'30"			PREV				
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 THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT							RFP	CAD FILE ee7308	SIZE A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					

Data Sheet

Date: 1/23/2018

122088.00

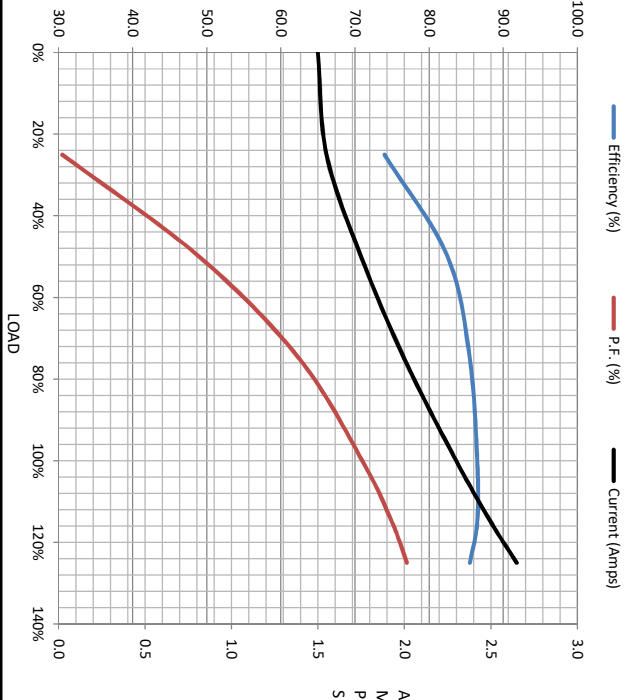


Data @ 460 V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%		LR
Current (Amps)	1.50	1.55	1.75	2.00	2.30	2.50	2.65		24.0
Torque (ft-lb)	0.00	1.10	2.20	3.5	4.5	5.2	5.7		21.2
RPM	1800	1790	1780	1765	1755	1745			0
Efficiency (%)		74.0	82.5	85.5	86.5	85.5			
P.F. (%)	7.5	30.5	49.0	62.5	71.0	75.0	77.0		69.5

Motor Speed Data

Speed (RPM)	LR	Pull-Up	BD	Rated	Idle	Information Block					
						HP	1.5				
						Sync. RPM	1800				
						Frame	145				
						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	35	°C			
						Duty	CONT				
						Ambient	40	°C			
						Elevation	1,000	feet			
						Rotor/Shaft wk²	0.14	Lb-Ft²			
						Rel Wdg	Z14256 FR				
						Sound Pressure @ 1M	62	dB(A)			
						VFD Rating	CONSTANT 2:1				
						Outline Dwg	B-100522-906				
						Conn. Diag	A-EE7308-REGAL				
						Additional Specifications:					
						EQUIV CKT (OHMS / PHASE)					
						R1	R2	X1	X2	Xm	
						4.8380	3.7800	7.1250	7.1630	189.6050	



Efficiency (%)	P.F. (%)	Current (Amps)	LOAD
86.5	75.0	2.30	100%
85.5	77.0	2.50	115%
82.5	82.5	2.00	75%
74.0	21.2	1.50	0%

Speed - Torque Curve

