

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



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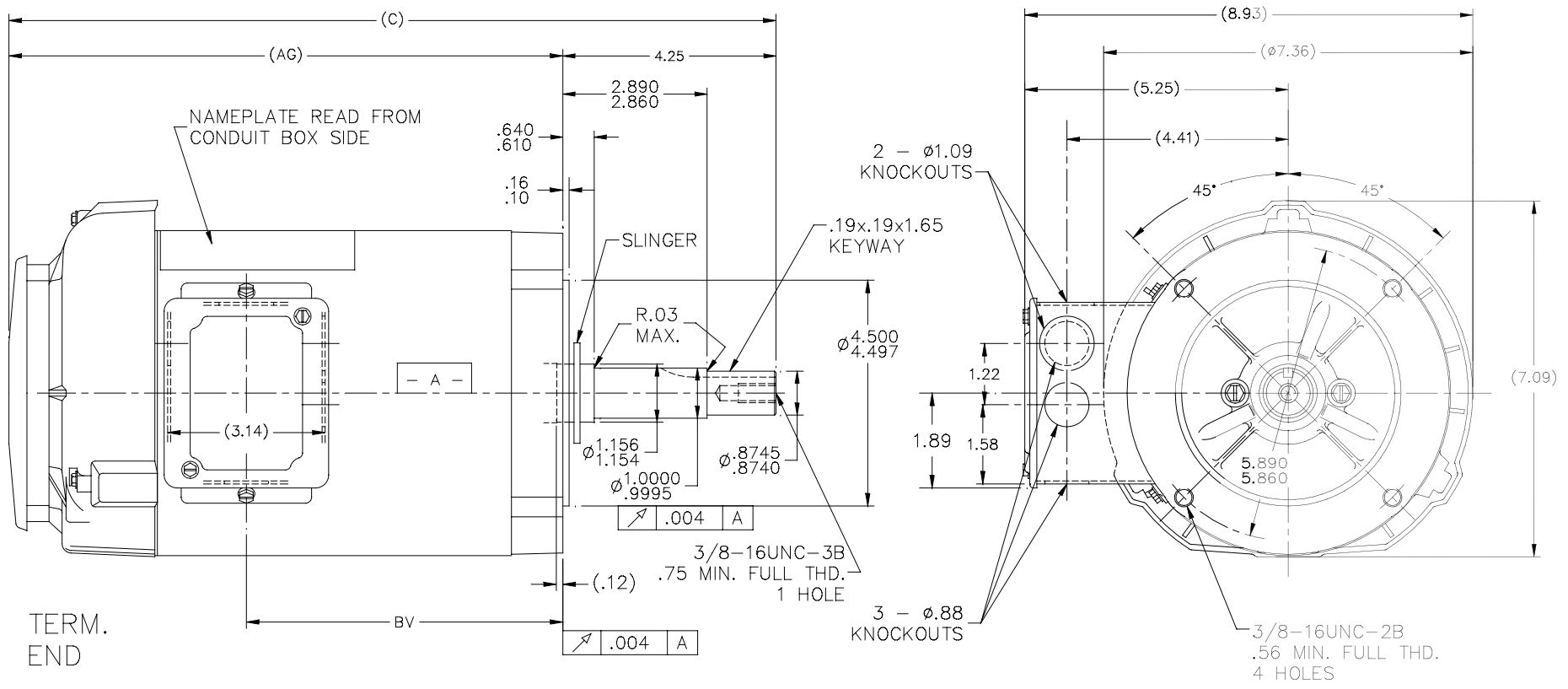


Nameplate Specifications

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



NOTES:
CONDUIT BOX CAN BE ROTATED 180°.

										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					
										RFP		CAD FILE 100522		SIZE B	DRAWING NO. 100522	PAGE OF 2	REV. 2		
										DIST WP									
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										
										NO.		REVISION		BY & DATE		CHK	ANG		
										2		CHANGED LOGO TO REGAL		SL 09-07-2015		AB	.XXX		
										1		NEW DRAWING 3840160		RM 09-12-1991			.XXXX		
										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									

EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



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	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

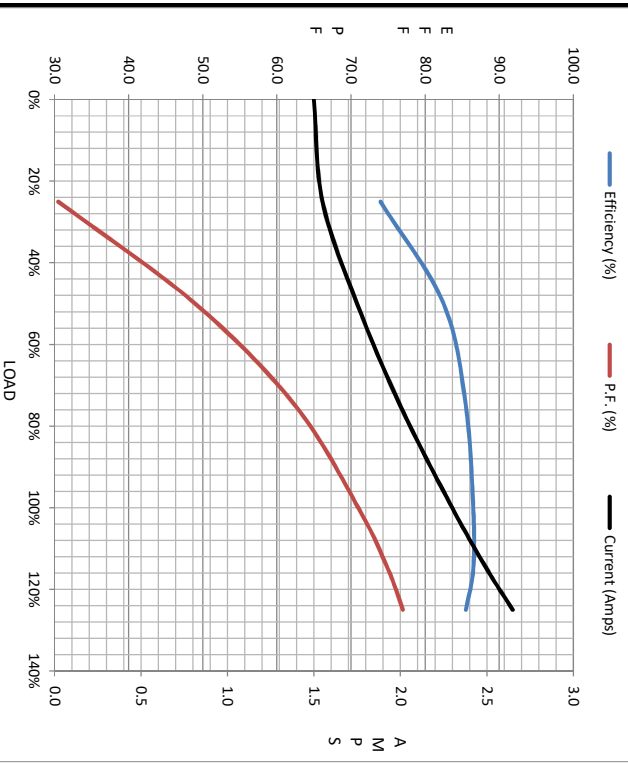
Load	Motor Load Data							LR
	0%	25%	50%	75%	100%	115%	125%	
Current (Amps)	1.50	1.55	1.75	2.00	2.30	2.50	2.65	24.0
Torque (ft-lb)	0.00	1.10	2.20	3.5	4.5	5.2	5.7	21.2
RPM	1800	1790	1780	1755	1755	1745	1745	0
Efficiency (%)		74.0	82.5	85.5	86.5	85.5	85.5	
P.F. (%)	7.5	30.5	49.0	62.5	71.0	75.0	77.0	69.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	130	1190	1755	1800
Current (Amps)	24.0	23.3	16.0	2.30	1.50
Torque (ft-lb)	21.2	20.2	26.0	4.5	0.00

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			
Ref Wdg	ZT14256 FR			
Sound Pressure @ 1M	62 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	B-100522-906			
Conn. Diag	A-EE7308-REGAL			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
4.8380	3.7800	7.1250	7.1630	189.6050



Speed - Torque Curve

