

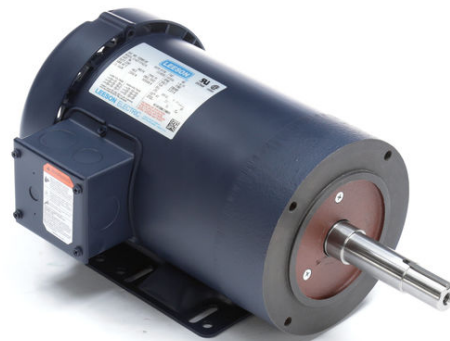
PRODUCT INFORMATION PACKET



Model No: C143T17FC39AA

Catalog No: 122084.00

..1HP..1800RPM.143JMV.TEFC.230/460V.3PH.60HZ.CONT.40C..C FACE.....JM PUMP.....
JM



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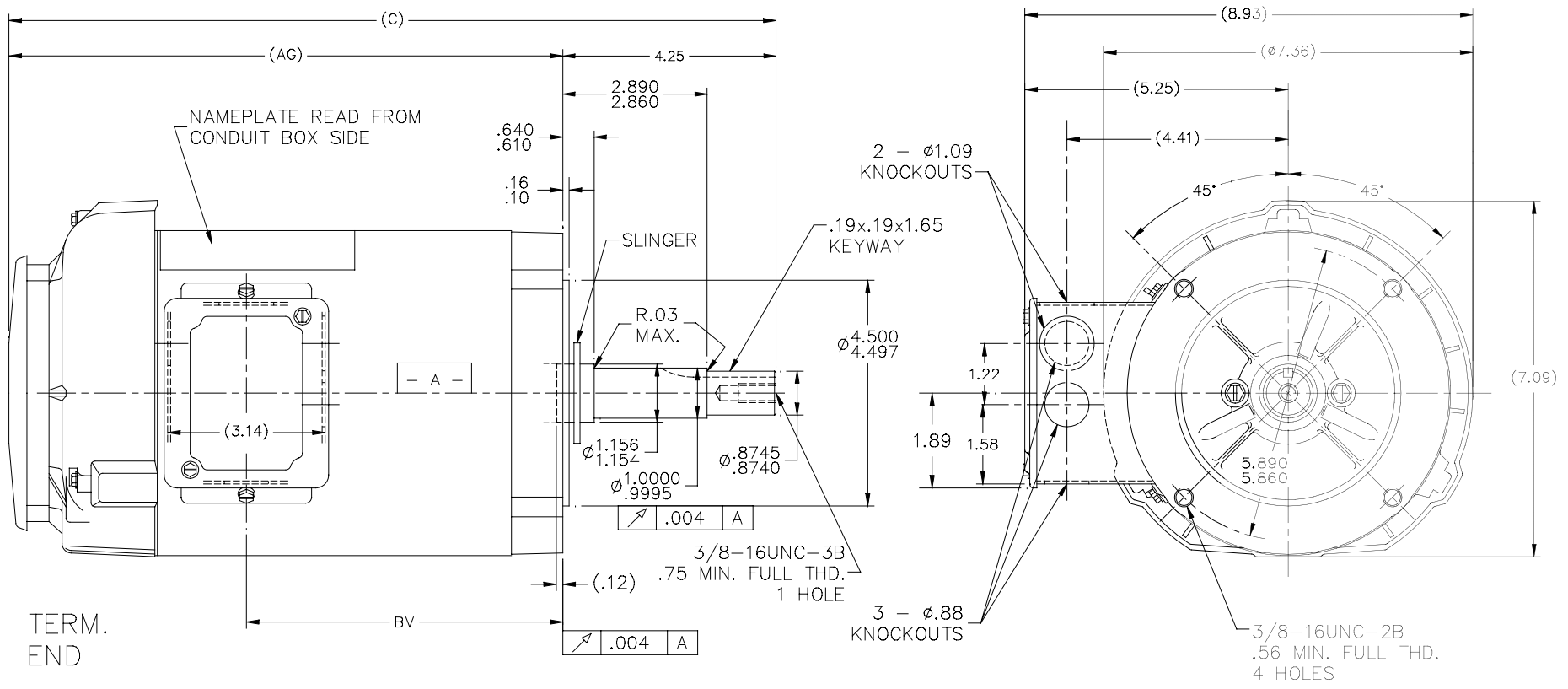


Nameplate Specifications

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



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	
		CHK	ANG ±7°30'	FINISH		PREV	
NO.		REVISION		CAD FILE 100522		SIZE	DRAWING NO. PAGE OF REV.
2		CHANGED LOGO TO REGAL		RFP		B	100522 2
1		NEW DRAWING 3840160		DIST WP			
		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

122084.00



Data @ 460 V

Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	1.15	1.20	1.30	1.45	1.60	17.0
Torque (ft-lb)	0.00	0.75	1.50	2.25	3.0	13.7
RPM	1800	1790	1785	1775	1765	0
Efficiency (%)		72.0	81.5	84.0	85.5	
P.F. (%)	7.5	30.0	46.5	59.5	68.0	69.5

Motor Speed Data						Information Block																					
	LR	Pull-Up	BD	Rated	Idle	HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk ²	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	
Speed (RPM)	0	115	1270	1765	1800	1.0	1800	143	TEFC	TFR	230/460#190/380	60	A	P	1.15	30	CONT	40 °C	1,000 feet	Z14257 FR		62	CONSTANT 2:1	B-100922-836	A-EE7308-REGAL		
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																						

EQUIV CKT (OHMS / PHASE)					
R1	R2	X1	X2	Xm	
2.4250	1.6020	3.1050	2.7720	75.8630	

