

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



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

©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E





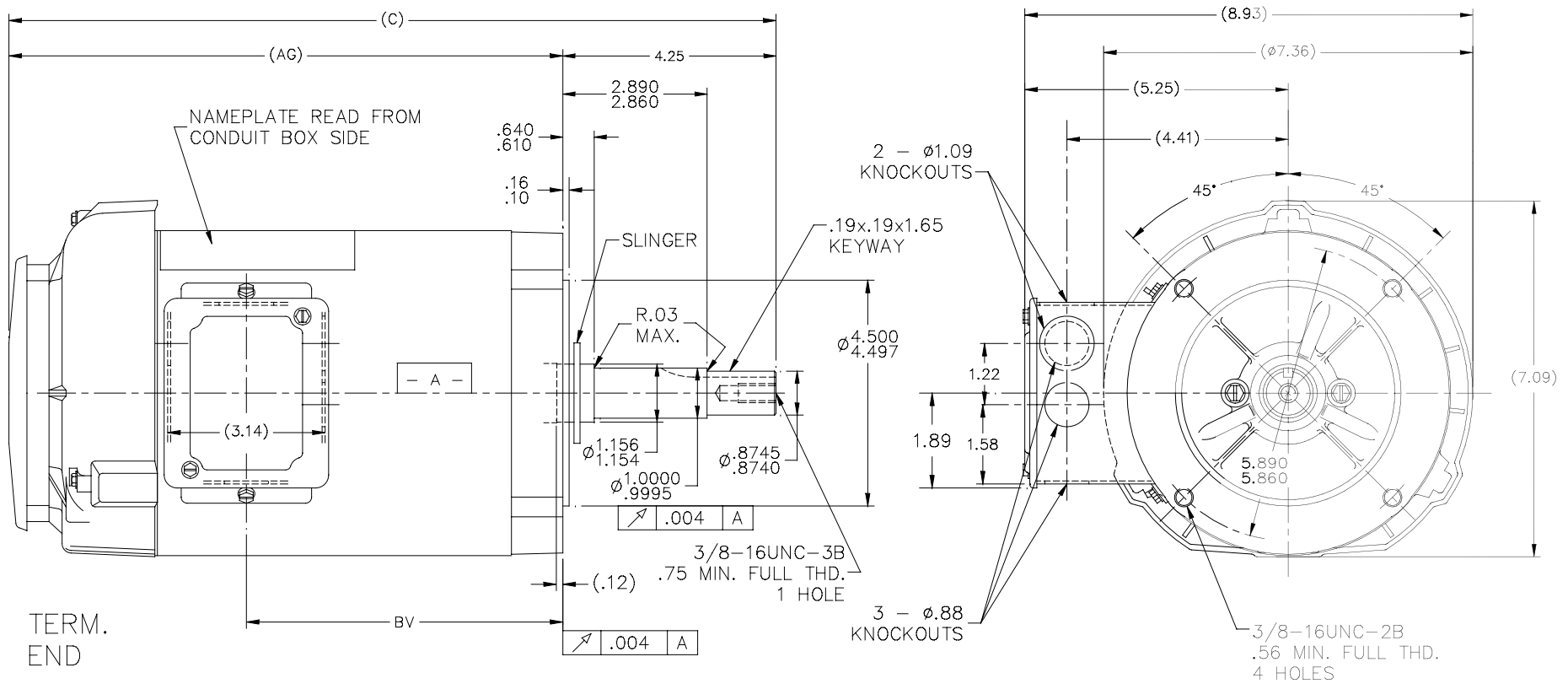
Nameplate Specifications

Output HP	1 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

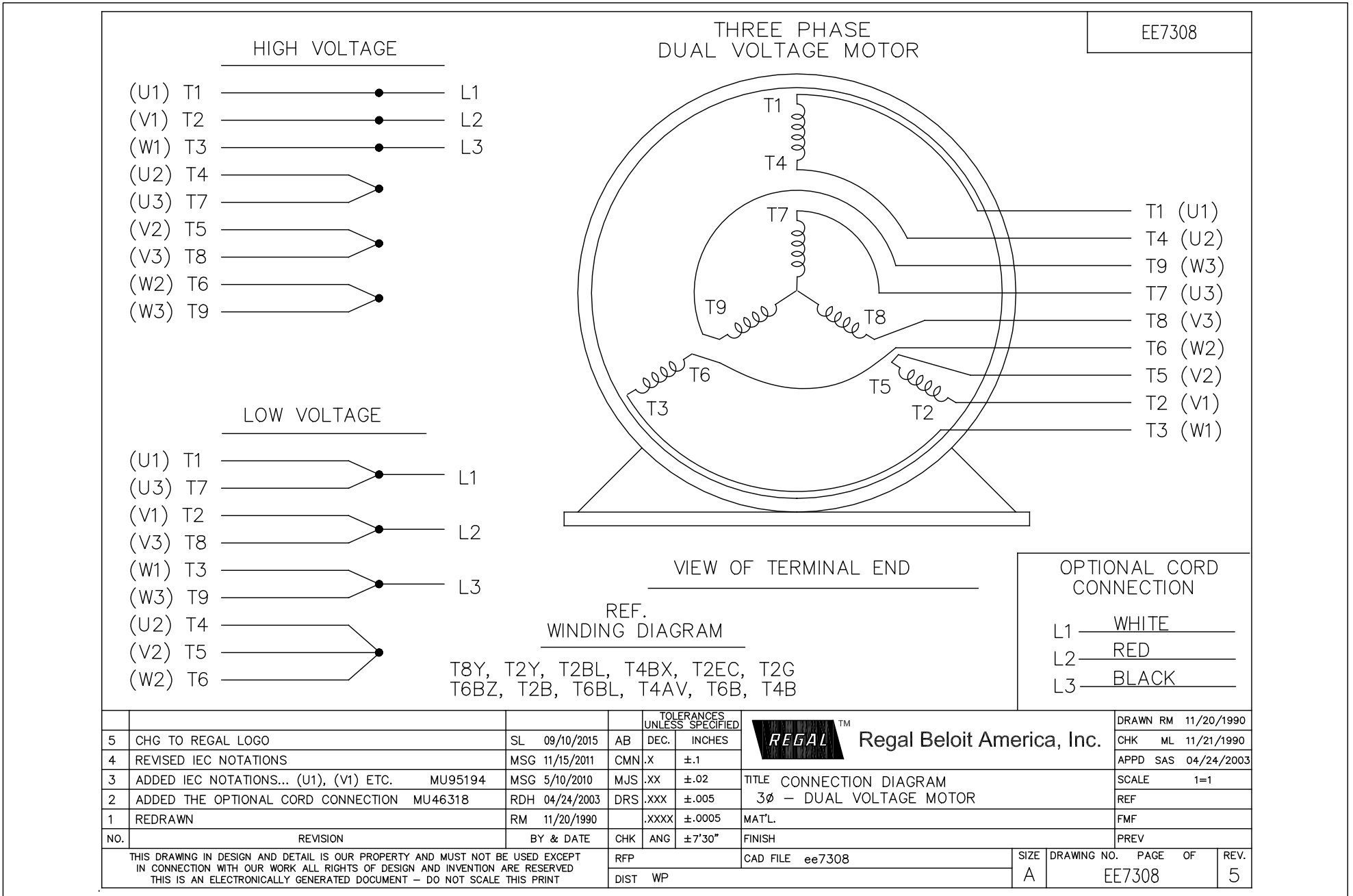
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 10/15/2018



NOTES:
CONDUIT BOX CAN BE ROTATED 180°.

										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 - 1 ϕ		REF			
										.XXXX	±.0005	MAT'L.		FMF			
										ANG	±7'30"	FINISH		PREV			
										RFP		CAD FILE 100522		SIZE B	DRAWING NO. 100522	PAGE OF	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								

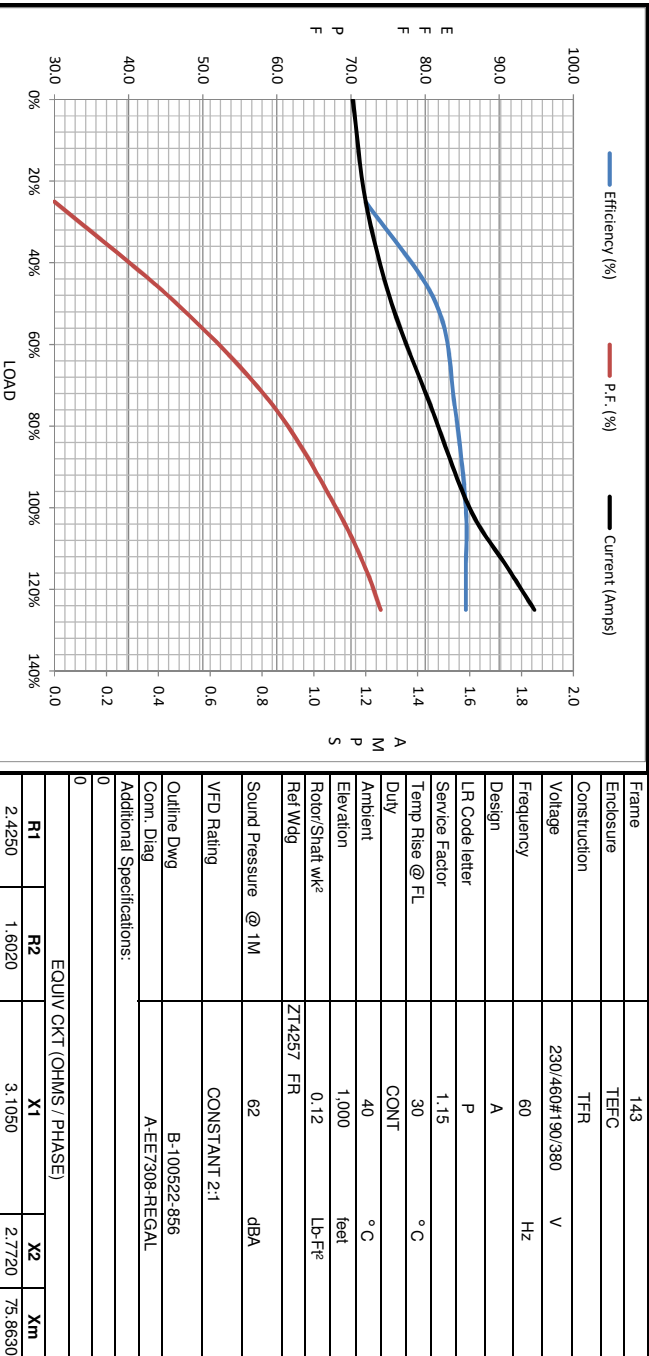
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT





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																						



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

