

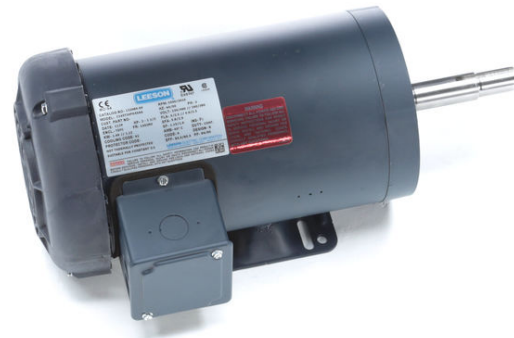
PRODUCT INFORMATION PACKET



Model No: C145T34FK45AA

Catalog No: 122089.00

..2HP..3600RPM.145JMV.TEFC.230/460V.3PH.60HZ.CONT.40C..RIGID 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



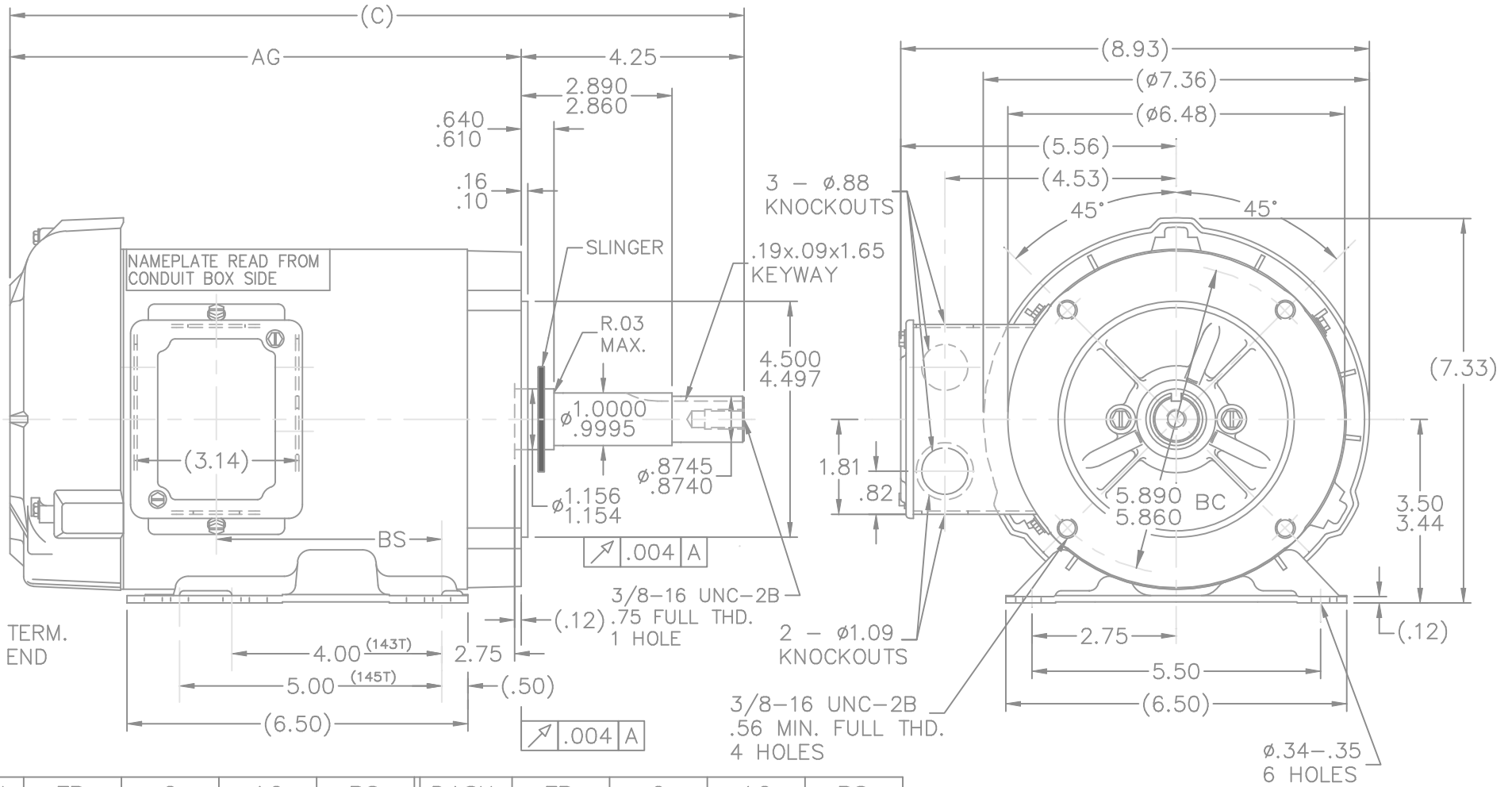


Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	5.0/2.5 A	Speed	3500 rpm
Service Factor	1.15	Phase	3
Efficiency	85.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	K	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	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL OR SHAFT DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	JM
Overall Length	16.50 in	Frame Length	9.06 in
Shaft Diameter	0.875 in	Shaft Extension	4.21 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-100133LE-906	Connection Diagram	A-EE7308-LE



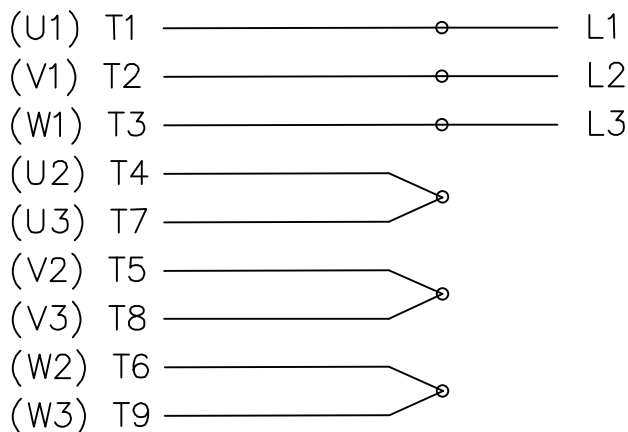
DASH	FR	C	AG	BS	DASH	FR	C	AG	BS
706	140T	14.50	10.25	3.44	856	140T	16.00	11.75	4.94
756	140T	15.00	10.75	3.94	906	140T	16.50	12.25	5.44
806	140T	15.50	11.25	4.44	956	140T	17.00	12.75	5.94

NOTE:
'C'BOX CAN BE ROTATED 180°

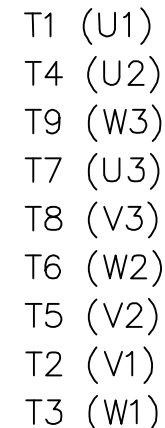
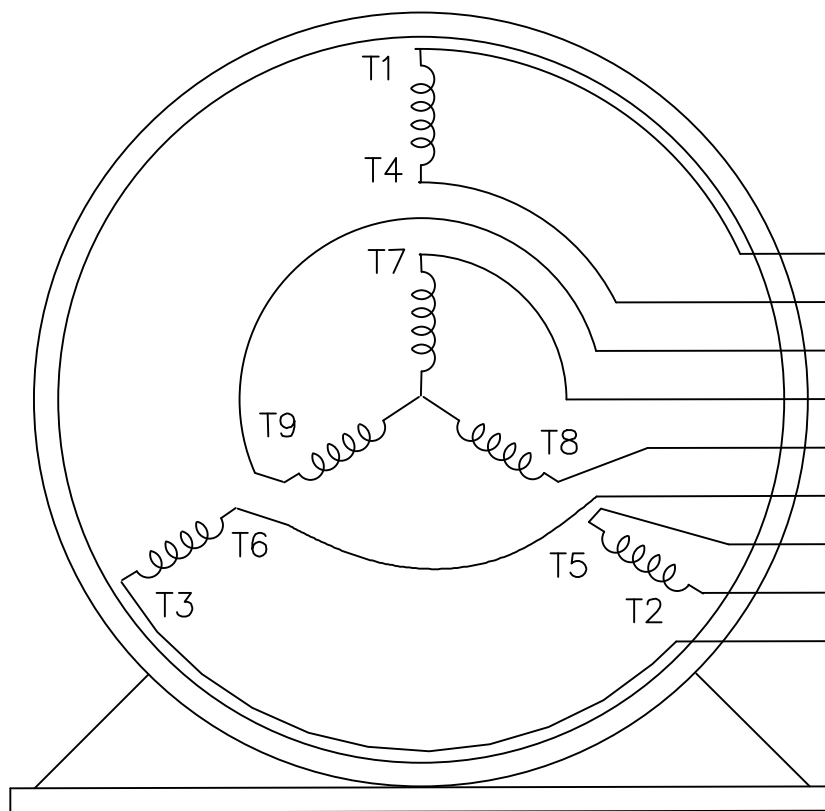
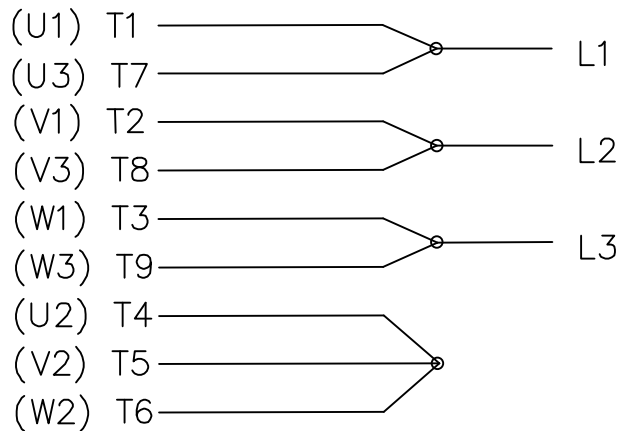
				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN DRS 08-03-2004					
				DEC.	INCHES		CHK ML 08-04-2004					
				.X	±.1		APPD GK 08-04-2004					
				.XX	±.03		SCALE 11=32					
				.XXX	±.005		REF					
				.XXX	±.005	TITLE OUTLINE JM EXT. 140 FR. - TEFC - 355C - BB - 'C' FACE						
				.XXXX	±.0005	MAT'L.						
				ANG	±7'30"	FINISH						
NO.	REVISION			BY & DATE	CHK	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	08-04-2004	CAD FILE 100133LE		SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	WP			A	100133LE			

THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

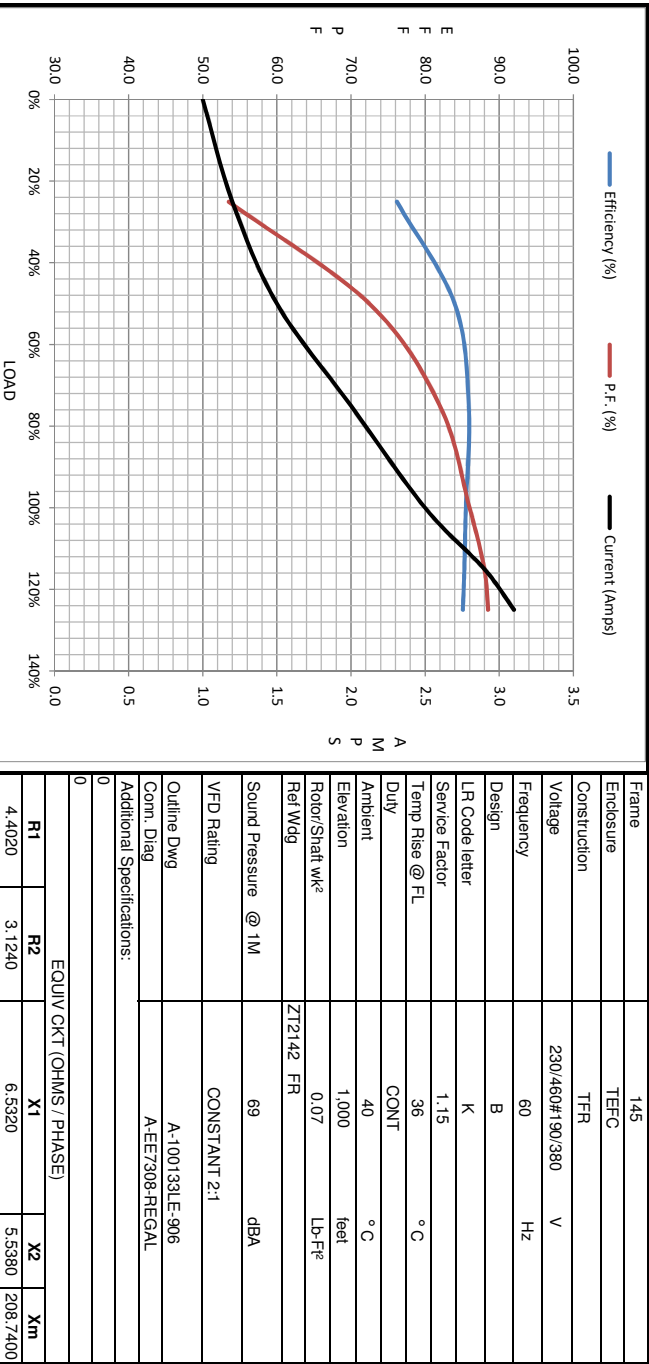
T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

		TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN HLB 04-29-2002	
		DEC.	INCHES			CHK	ML
		.X	±.1			APPD	GK 05-03-2002
		.XX	±.01		TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	SCALE	1=1
2	ADDED IEC NOTATIONS... (U1), (V1) ETC. (MU105786)	REP	01-11-2012	DR	.XXX ±.005	REF	
1	NEW DRAWING	HLB	05-03-2002	ML	.XXXX ±.0005	FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	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-LE	SIZE	DRAWING NO. PAGE OF REV.
				DIST	LB-WP	A	EE7308-LE 2



Motor Load Data								
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.00	1.20	1.50	2.00	2.50	2.90	3.1	21.7
Torque (ft-lb)	0.00	0.74	1.48	2.23	3.0	3.5	3.8	9.5
RPM	3600	3575	3550	3525	3500	3485	3470	0
Efficiency (%)		76.2	84.0	85.9	85.5	85.3	85.1	
P.F. (%)	20.0	53.5	72.5	82.0	86.0	88.0	88.5	42.0

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:	
LR	1500	2615	3500	3600		2.0	3600	145	TEFC	TFR	230/460#190/380	60	B	K	1.15	36	CONT	40 °C	1,000	0.07	Z12142 FR	69	CONSTANT 2:1	A-100139LE-906	A-EE7308-REGAL		
Speed (RPM)	0	1500	2615	3500	3600																						
Current (Amps)	21.7	20.5	14.5	2.50	1.00																						
Torque (ft-lb)	9.5	9.4	12.2	3.0	0.00																						



EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	Xm
4.4020	3.1240	6.5320	5.5380
			208/7400

