

PRODUCT INFORMATION PACKET



Model No: C145T34DK19A

Catalog No: 122078.00

..2HP..3600RPM.145JM.DP.230/460V.3PH.60HZ.CONT.40C..RIGID C FACE.....JM PUMP.....
JM



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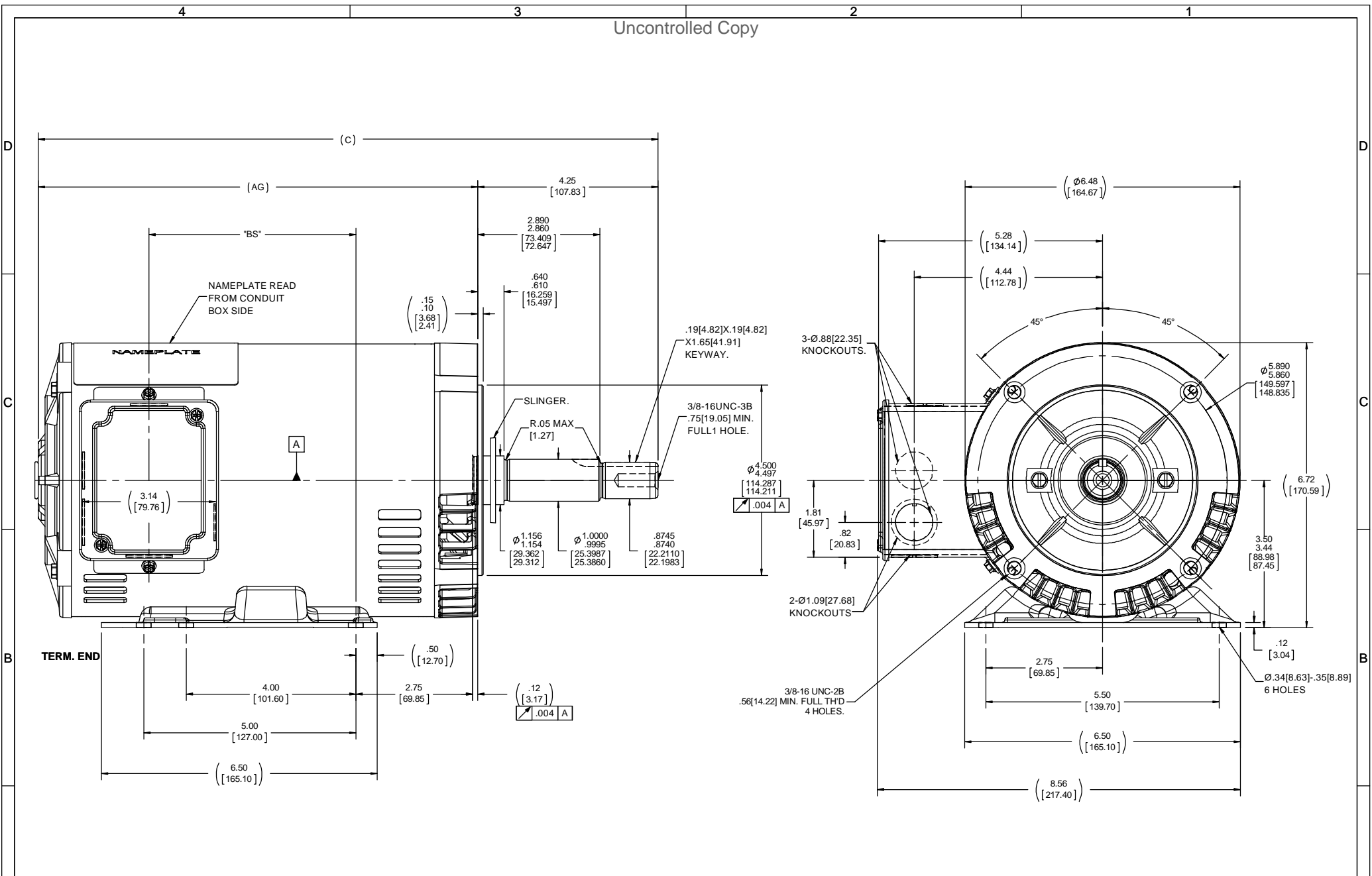
Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	5.6/2.8 A	Speed	3510 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	145JM
Enclosure	Drip Proof	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	22		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	JM
Overall Length	13.12 in	Frame Length	7.06 in
Shaft Diameter	0.875 in	Shaft Extension	4.21 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-100130LE-706	Connection Diagram	A-EE7308-LE

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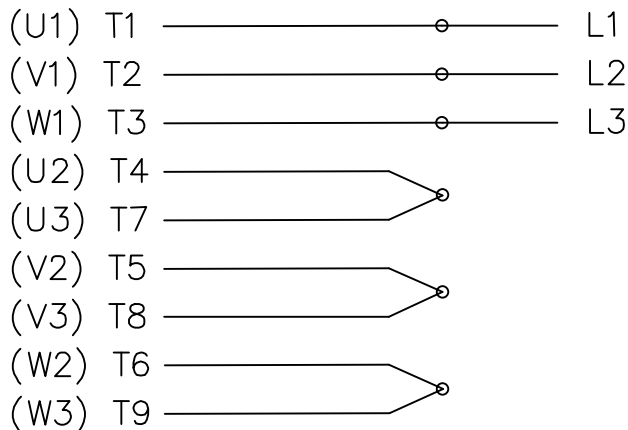


DASH	"C"	"AG"	"BS"
656	12.61 [320.29]	8.36 [212.34]	2.87 [72.89]
706	13.11 [333.99]	8.86 [225.04]	3.37 [85.59]
756	13.61 [345.69]	9.36 [237.74]	3.87 [98.29]
806	14.11 [358.39]	9.86 [250.44]	4.37 [110.99]
856	14.61 [371.09]	10.36 [263.14]	4.87 [123.69]
906	15.11 [383.79]	10.86 [275.84]	5.37 [136.39]
956	15.61 [396.49]	11.36 [288.54]	5.87 [149.09]

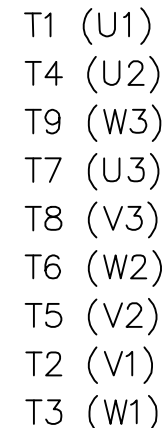
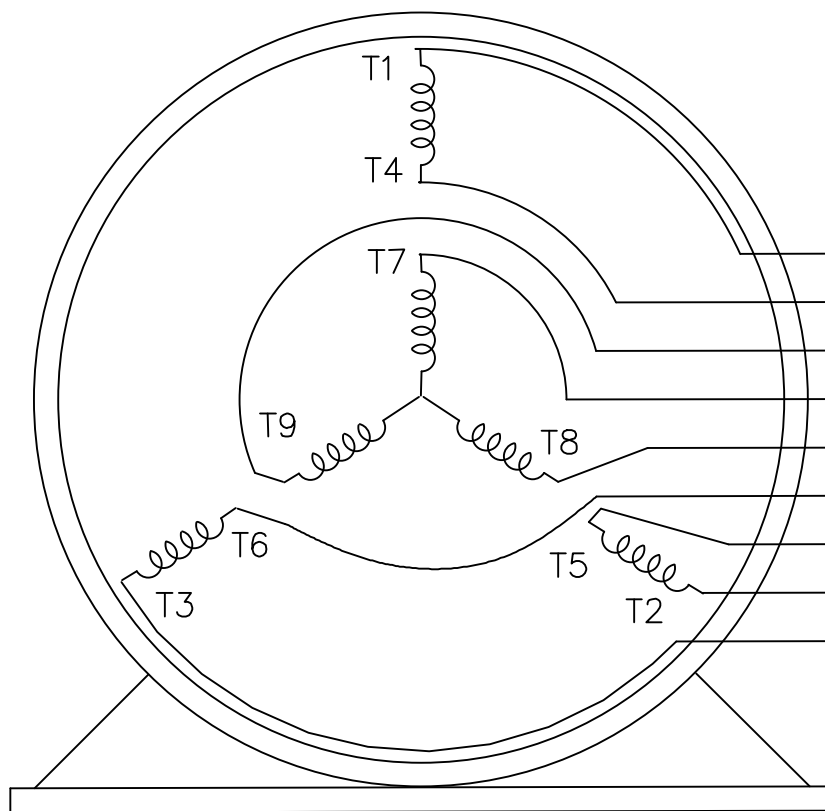
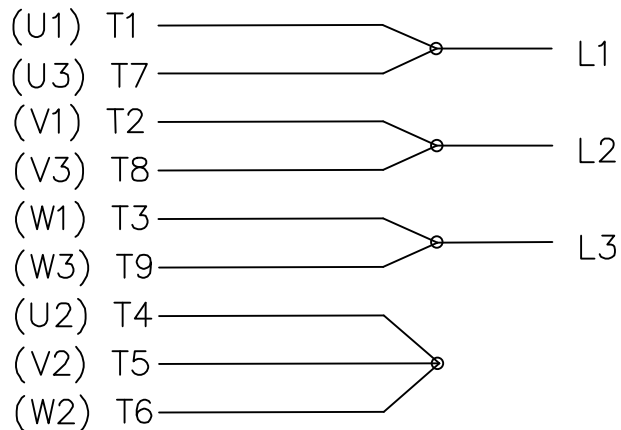
DRAWING REVISION C	REVISION BY A. SUPANNAVAR	DATE 01/02/2018	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [2.5] ±7 30° .XX ±0.03 [0.76] .XXX ±0.005 [0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES. .003/.015 [076/381] X 45° CORNER FILLETS: R.02 [51] MACHINED SURFACES: 200/5.1 INCH/mil/mm SHOWN IN (BRACKETS)	DRAWN BY DRS	DATE 08/03/2004	APPROVED BY GK	DATE 08/04/2004	REFERENCE 100130LE	THIRD ANGLE PROJECTION	SIZE C	DRAWING NUMBER 100130LE	SHEET 1 OF 1
ECO DESCRIPTION OUTLINE CONVERSION PROJECT COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION. THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. FORMER AND CONTAINS OWNERS PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.			APPROVED BY PST		DATE 04/11/2018		DESCRIPTION OUTLINE 140 FR.-DR.PR. 3ø - "C" FACE JM EXT.		MATERIAL PROCESS/FINISH			

THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

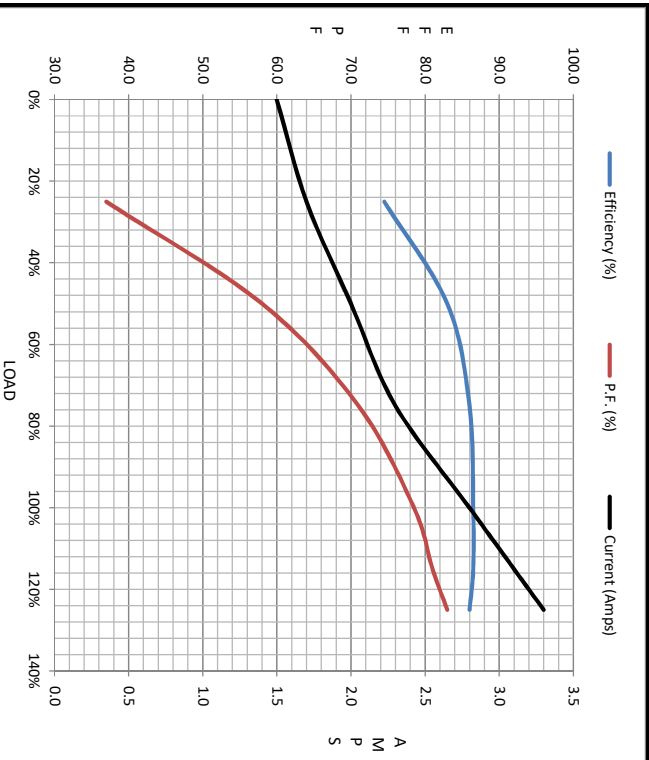
T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

		TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN HLB 04-29-2002			
		DEC.	INCHES			CHK	ML	05-03-2002	
			.X	±.1	TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	APPD	GK	05-03-2002	
			.XX	±.01		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	MAT'L.	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)	1.50	1.70	2.00	2.30	2.80	3.1	3.3	24.2	
Torque (ft-lb)	0.00	0.71	1.50	2.20	3.0	3.5	3.8	9.0	
RPM	3600	3580	3560	3540	3510	3500	3495	0	
Efficiency (%)		74.5	83.0	86.0	88.5	86.5	86.0	86.0	
P.F. (%)	10.0	37.0	58.0	71.0	78.5	81.0	83.0	64.5	

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:	R1	R2	X1	X2	Xm	
Speed (RPM)	0	1500	2570	3510	3600	2.0	3600	145	DP	TDR	230/460#190/380	60	B	L	1.15	38	CONT	40 °C	1,000 feet	0.03	ZT224 DR	68 dbA	CONSTANT 10:1	A-100130LE-706	A-EE7308-LE		0.0000	0.0000	0.0000	0.0000	0.0000	
Current (Amps)	24.2	21.8	16.2	2.80	1.50																											
Torque (ft-lb)	9.0	11.0	12.8	3.0	0.00																											



EQUIV CKT (OHMS / PHASE)					
	R1	R2	X1	X2	Xm
	0.0000	0.0000	0.0000	0.0000	0.0000

