

# PRODUCT INFORMATION PACKET



Model No: C143T34DK4A

Catalog No: 122074.00

..1.5 HP..3600RPM.143JM.DP.230/460V.3.60HZ.CONT.40C..RIGID C-FACE.....  
JM



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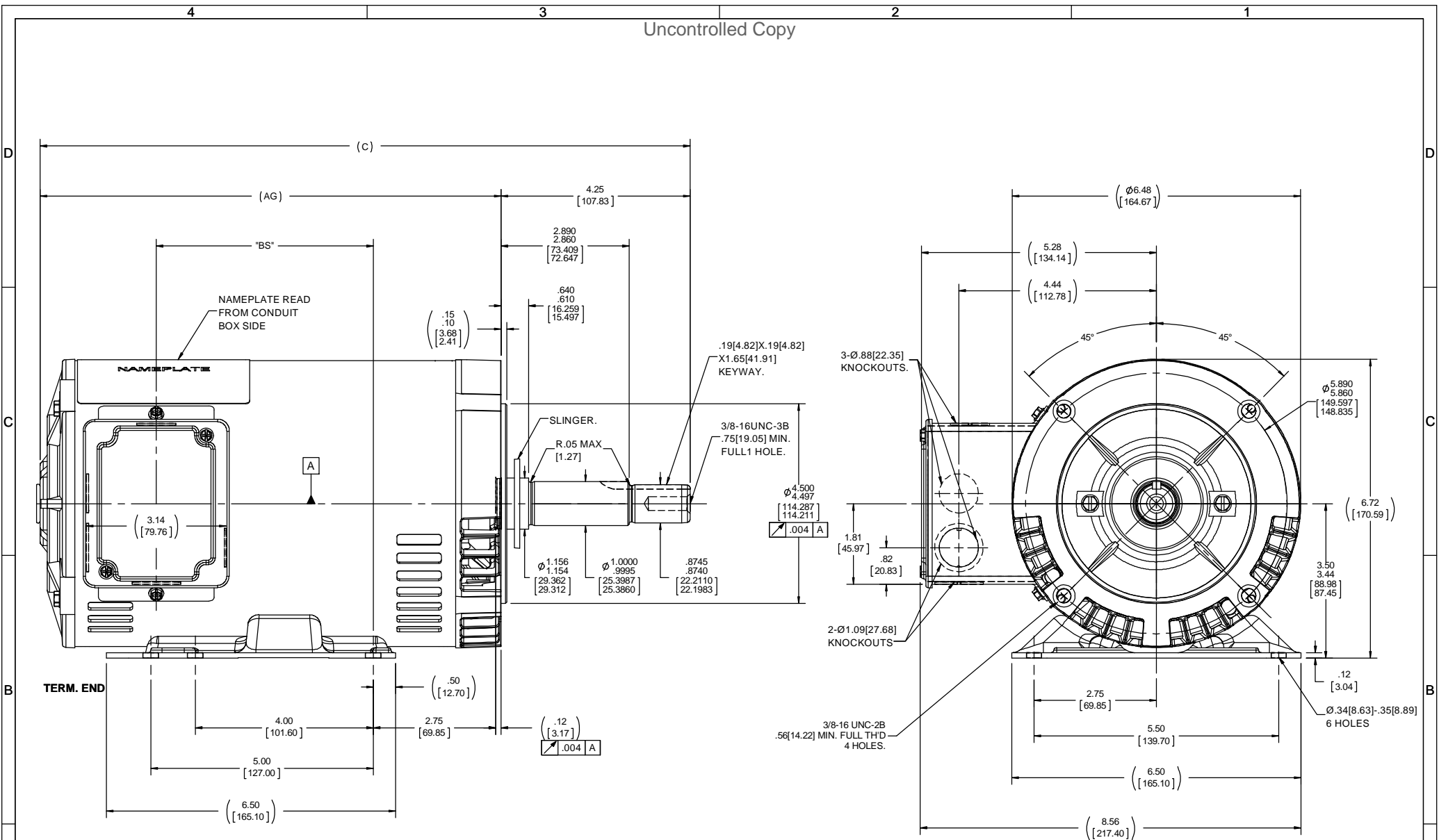
### Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.8/1.9 A	Speed	3515 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	143JM
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	14.62 in	Frame Length	8.56 in
Shaft Diameter	0.875 in	Shaft Extension	4.28 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-100130LE-856	Connection Diagram	A-EE7308-LE

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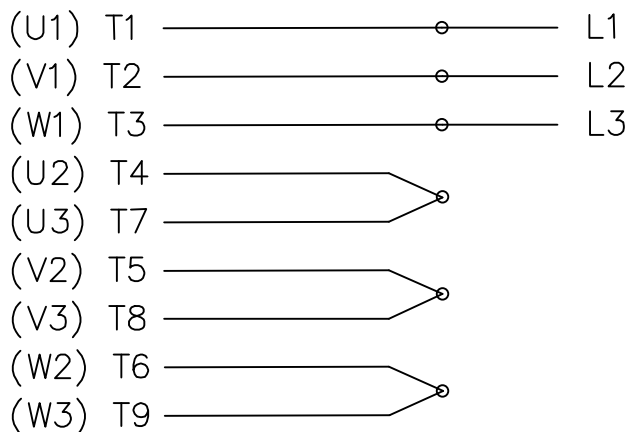


DASH	"C"	"AG"	"BS"
656	12.61 [320.29]	8.36 [212.34]	2.87 [72.89]
706	13.11 [333.99]	8.86 [225.04]	3.37 [85.59]
756	13.61 [345.69]	9.36 [237.74]	3.87 [98.29]
806	14.11 [358.39]	9.86 [250.44]	4.37 [110.99]
856	14.61 [371.09]	10.36 [263.14]	4.87 [123.69]
906	15.11 [383.79]	10.86 [275.84]	5.37 [136.39]
956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

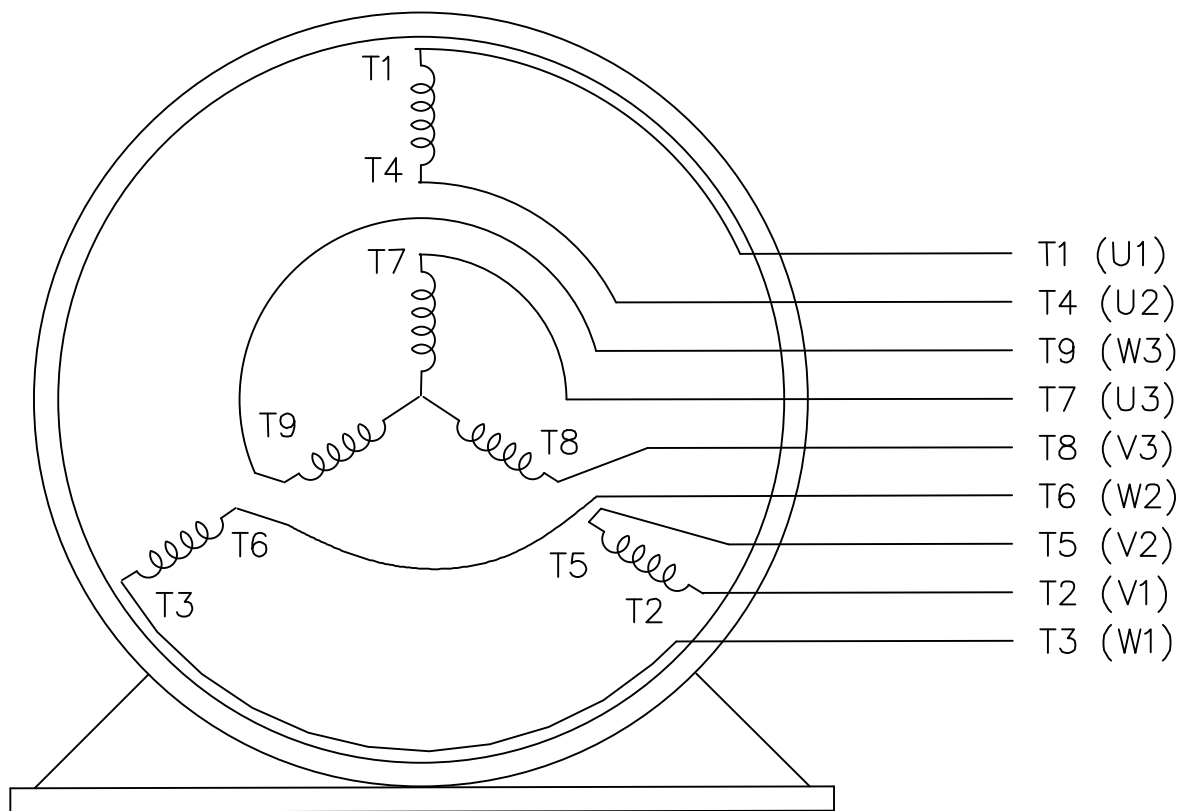
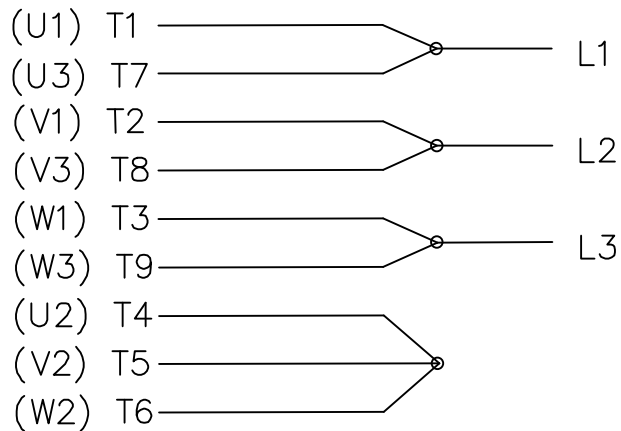
DRAWING REVISION C	REVISION BY A. SUPANNAVAR	DATE 01/02/2018	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [2.5] ±7 30° .XX ±0.03 [0.76] .XXX ±0.005 [0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .0031 [0.076] X 45° CORNER FILLETS: R.02 [51] MACHINED SURFACES: 200/5.1 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.			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



Data @ 460 V

Motor Load Data								
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.82	0.90	1.20	1.50	1.90	2.20	2.30	18.6
Torque (ft-lb)	0.00	0.55	1.10	1.68	2.25	2.60	2.80	6.8
RPM	3600	3580	3560	3540	3515	3505	3495	0
Efficiency (%)								
P.F. (%)	14.3	47.2	67.6	78.7	84.0	86.5	87.5	62.5

Motor Speed Data					
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	215	2700	3515	3600
Current (Amps)	18.6	18.7	11.7	1.90	0.82
Torque (ft-lb)	6.8	5.7	10.0	2.25	0.00

Information Block				
HP	1.5			
Sync. RPM	3600			
Frame	143			
Enclosure	DP			
Construction	TDR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	20 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.00 lb-Ft²			
Ref Wdg	Z12168 DR			
Sound Pressure @ 1M	68 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	A-100130LE-866			
Conn. Diag	A-EE7308-LE			
Additional Specifications:	0			
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
5.2950	3.7820	9.2680	9.4550	359.2900

