

PRODUCT INFORMATION PACKET



Model No: SSD4P1.5T61Q40
Catalog No: LM21151
1.5,1800,DP,145T,3,60,230/460
10:1 Speed Ratio



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Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.4/2.2 A	Speed	1750 rpm
Service Factor	1	Phase	3
Efficiency	84 %	Duty	Continuous
Insulation Class	F	Design Code	INV
KVA Code	M	Frame	145T
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	205
Opp Drive End Bearing Size	203	UL	Recognized
CSA	Y	CE	N
IP Code	22		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	12.49 in	Frame Length	8.56 in
Shaft Diameter	0.875 in	Shaft Extension	2.25 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-100085LN-856	Connection Diagram	A-EE7308T-LN

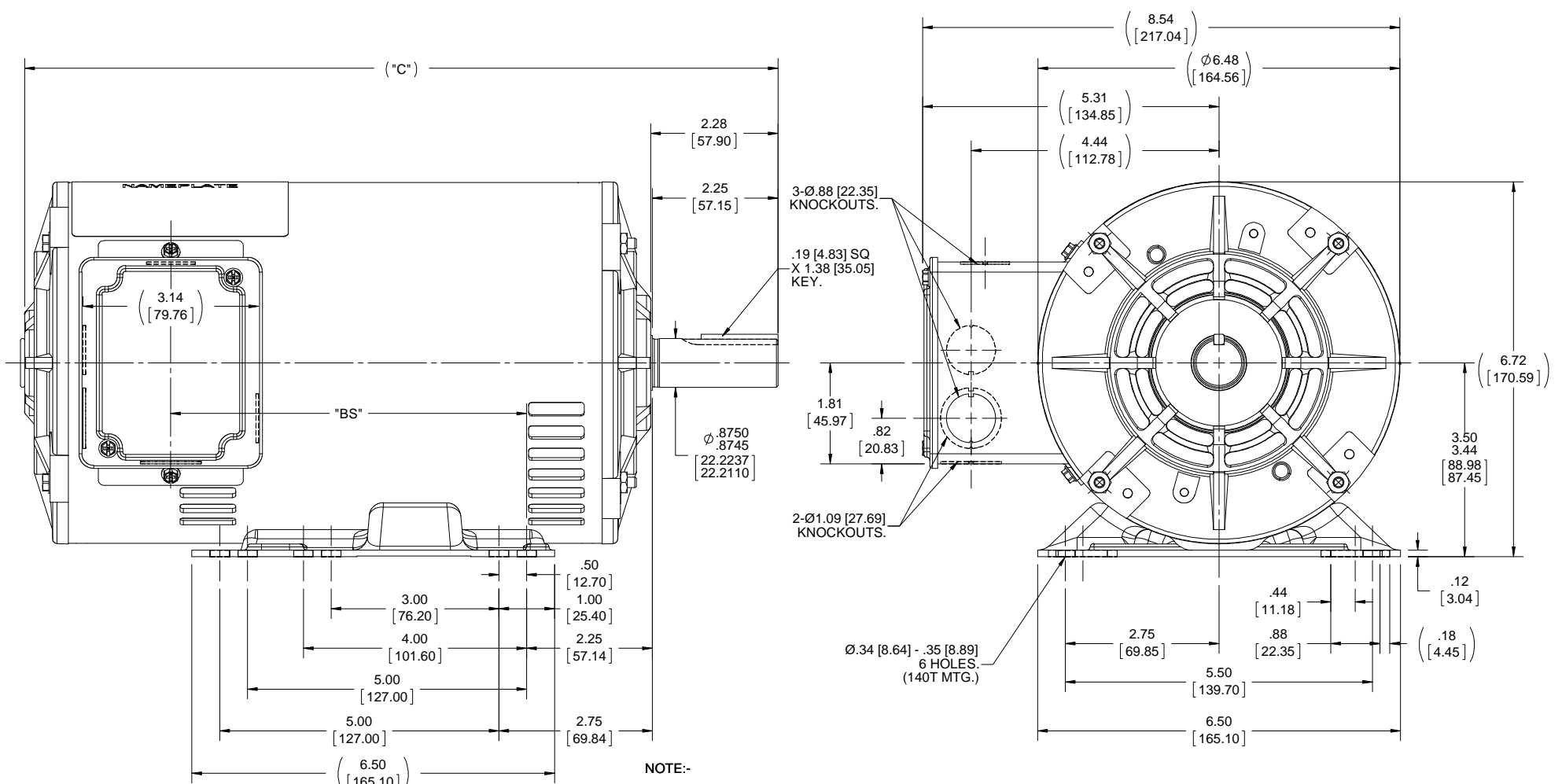
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B

B

A

A



NOTE:-

- 1) CONDUIT BOX CAN BE ROTATED 180° STEPS.
- 2) NAMEPLATE READ FROM CONDUIT BOX SIDE.

DASH.	"C"	"BS/140T"
706	10.99 [279.15]	3.88 [98.55]
756	11.49 [291.85]	4.38 [111.25]
806	11.99 [304.55]	4.88 [123.95]
856	12.49 [317.25]	5.38 [136.65]
906	12.99 [329.95]	5.88 [149.35]
956	13.49 [342.65]	6.38 [162.05]

DRAWING REVISION C	REVISION BY A SUPPANAVAR	DATE 02/28/2018
ECO ECO-0136109	APPROVED BY PST	DATE 05/18/2018
ECO DESCRIPTION OUTLINE CONVERSION PROJECT		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	+0.1	[+2.5]
.XX	+0.03	[+0.76]
.XXX	+0.005	[+0.127]
.XXXX	+0.0005	[+0.0127]
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°		
CORNER FILLETS: R.02 [51]		
MACHINED SURFACES: 200 INCH 5.1 mm		
mm SHOWN IN [BRACKETS]		

DRAWN BY BLR	DATE 06-07-1999
APPROVED BY	DATE
REFERENCE 100085LN	THIRD ANGLE PROJECTION

REGAL™ Regal Beloit America, Inc.

DESCRIPTION
OUTLINE
140T & 56HZ - DR.PR.

MATERIAL
PROCESS/FINISH

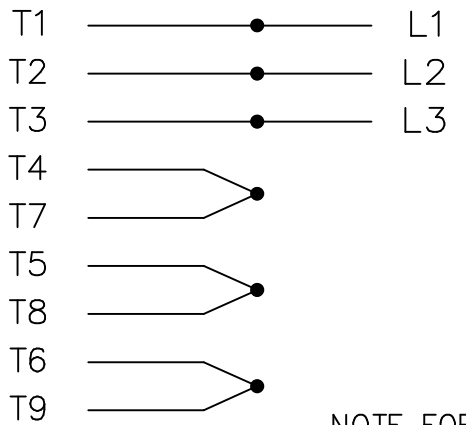
SIZE
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DRAWING NUMBER
100085LN

SHEET
1 OF 1

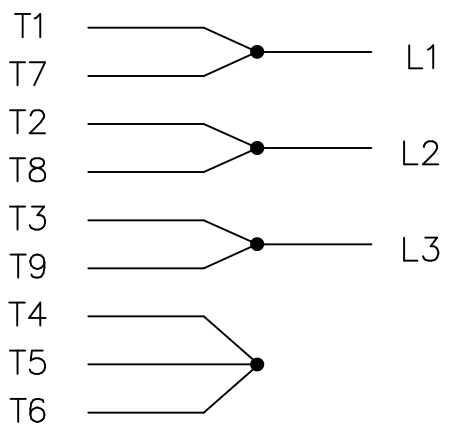
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE

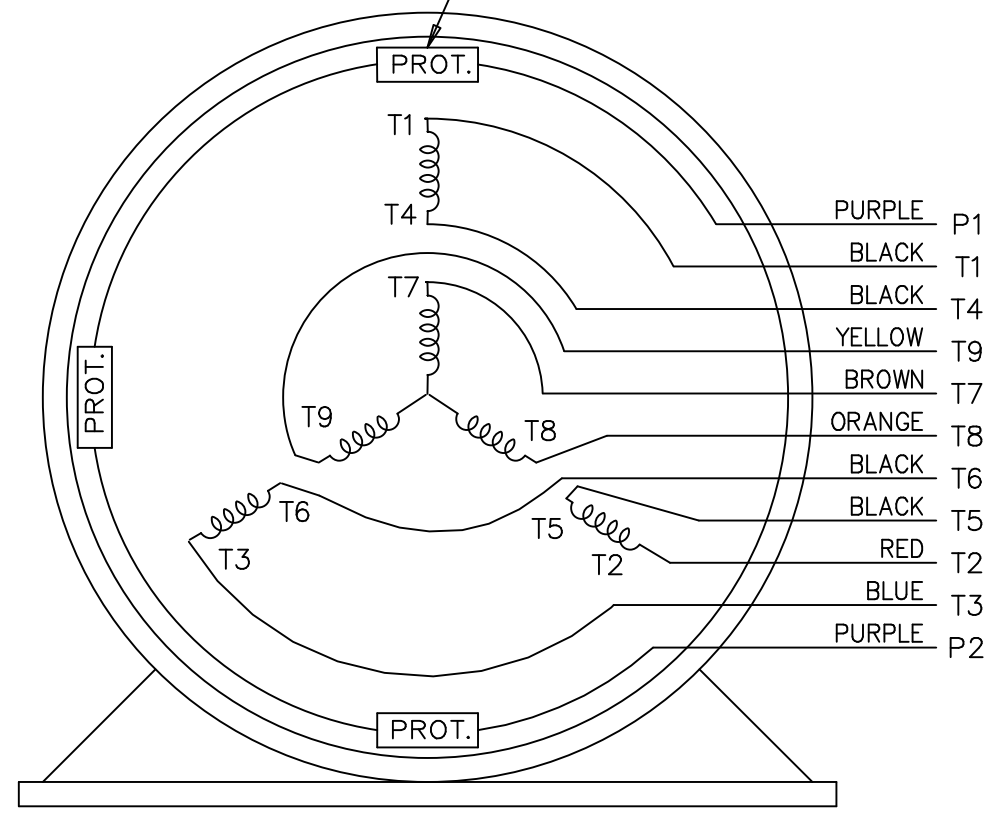


NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

LOW VOLTAGE



THREMO-PROTECTORS
CONNECTED IN SERIES.



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			DRAWN BJK 07-16-2002			
				DEC.	INCHES		CHK DRS 07-18-2002			
				.X	±.1		APPD GK 07-18-2002			
				.XX	±.02		SCALE 1=1			
2	ADDED COLORS TO "T & P" LEADS	CN 40494	MSG 08-08-2006	ML	.XXX	±.005	TITLE CONNECTION DIAGRAM 3 PHASE - DUAL VOLTAGE MOTOR		REF	
1	NEW DRAWING		BJK 07-18-2002	DRS	.XXXX	±.0005			MAT'L.	FMF
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"		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 ee7308t_ln			SIZE	DRAWING NO. PAGE OF	REV.
				DIST	LB			A	EE7308T-LN	2

Date: 2/1/2018

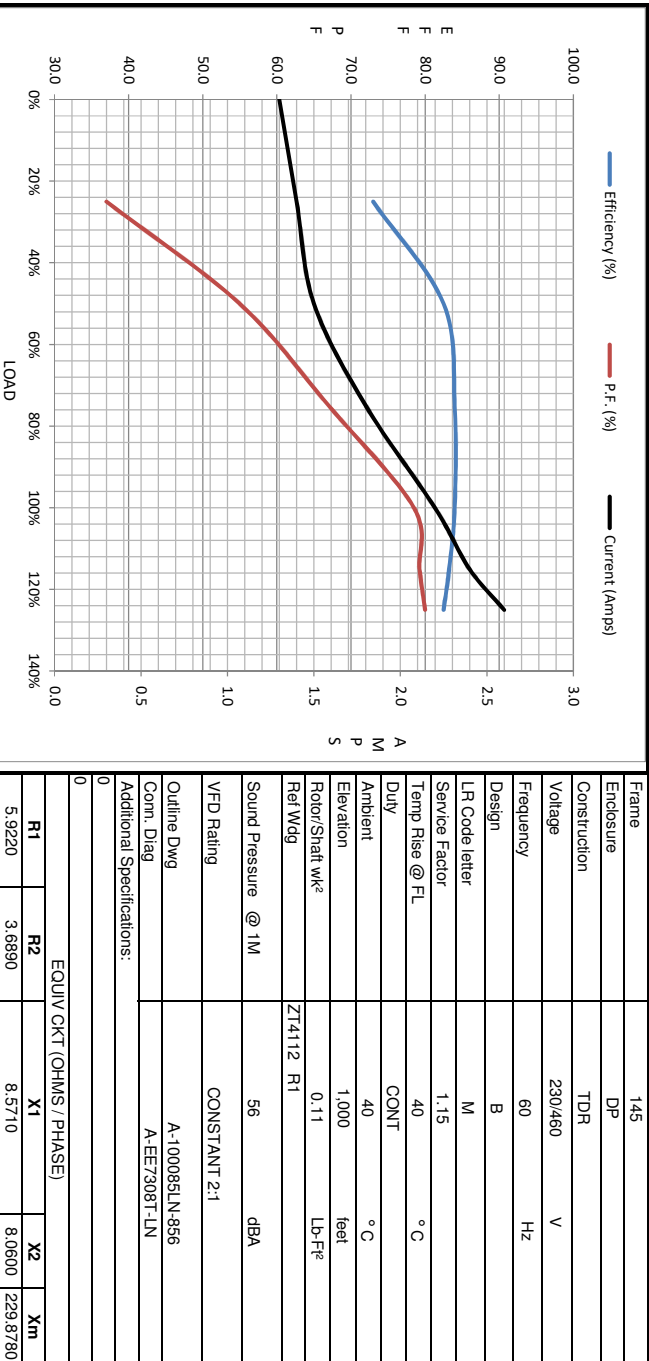
LM21151



Data @ 460 V

Motor Load Data						LR	
Load	0%	25%	50%	75%	100%	115%	125%
Current (Amps)	1.30	1.40	1.50	1.80	2.20	2.40	2.60
Torque (ft-lb)	0.00	1.10	2.20	3.4	4.5	5.1	5.7
RPM	1800	1788	1775	1760	1750	1,744	1735
Efficiency (%)						83.3	82.5
P.F. (%)	9.0	37.0	55.0	67.0	78.5	79.3	80.0

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:	
Speed (RPM)	0	500	1250	1750	1800	1.5	1800	145	DP	TDR	230/460	60	B	M	1.15	40	CONT	40	1,000	0.11	Z14112 R1	56	CONSTANT 2:1	A-100085LN-956	A-EE7308T-LN		
Current (Amps)	19.5	18.0	13.0	2.20	1.30																						
Torque (ft-lb)	15.3	13.5	20.0	4.5	0.00																						



EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	Xm
5.9220	3.6890	8.5710	8.0600 229.8780

