

PRODUCT INFORMATION PACKET



Model No: SRF6S0.5T65
Catalog No: LM24295
1/2, 1140, TEFC, 56, 3/60/575
575 Volts



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Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	575 V
Current	1.1 A	Speed	1140 rpm
Service Factor	1.15	Phase	3
Efficiency	68 %	Duty	Continuous
Insulation Class	B	Design Code	B
KVA Code	L	Frame	56
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	203
Opp Drive End Bearing Size	203	UL	Recognized
CSA	Y	CE	N
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	11.82 in	Frame Length	6.56 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-100086LN-656	Connection Diagram	A-EE7300-LN

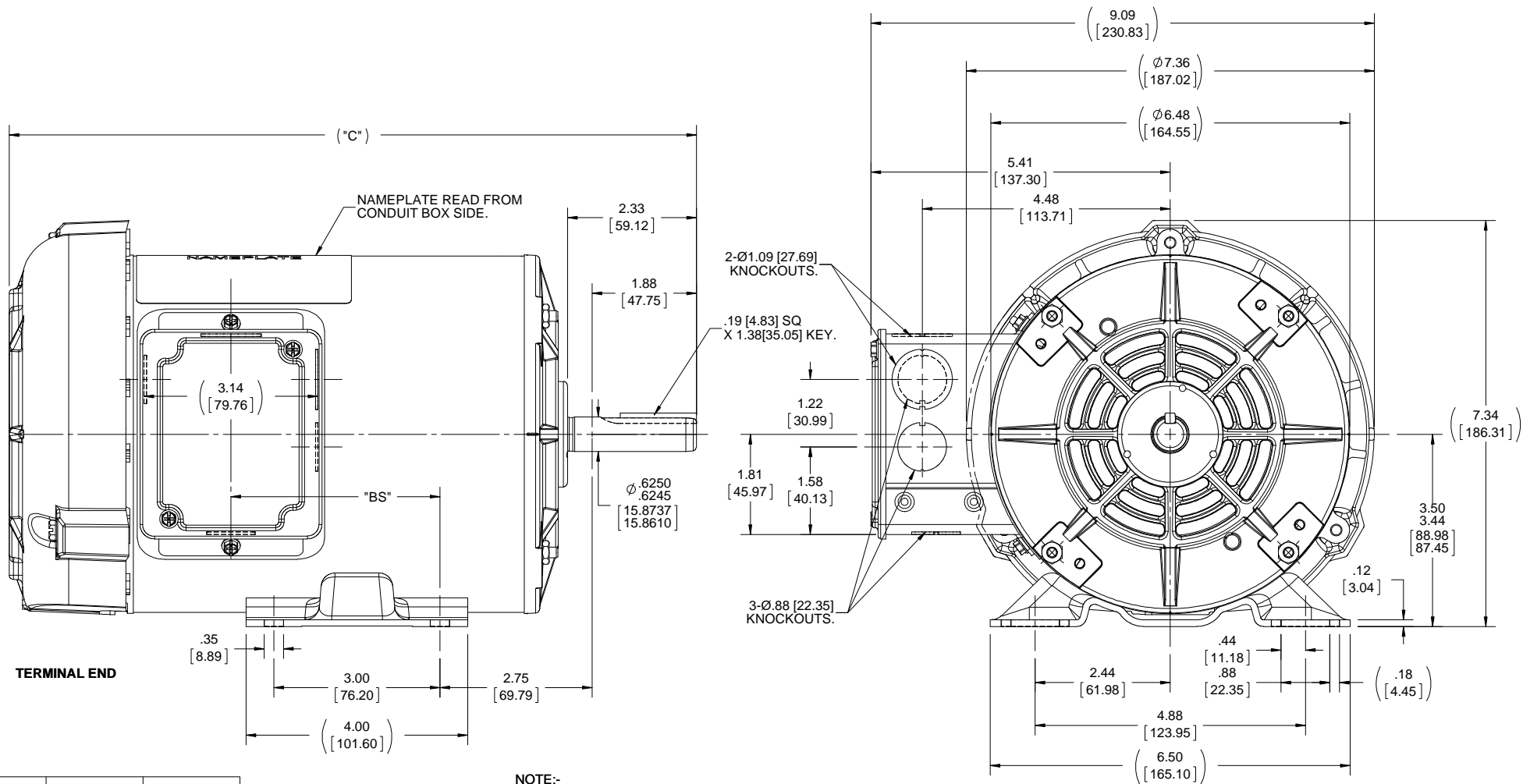
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B

B

A

A



TERMINAL END

DASH	"C"	"BS"
606	11.41 [289.81]	2.78 [70.61]
656	11.91 [302.51]	3.28 [83.31]
706	12.41 [315.21]	3.78 [96.01]
756	12.91 [327.91]	4.28 [108.71]
806	13.41 [340.61]	4.78 [121.41]
856	13.91 [353.31]	5.28 [134.11]
906	14.41 [366.01]	5.78 [146.81]

NOTE:-
1) CONDUIT BOX CAN BE ROTATED IN 180° STEPS.

DRAWING REVISION C	REVISION BY A.SUPPANAVAR	DATE 02/26/2018
ECO ECO-0143026	APPROVED BY PST	DATE 04/11/2018
ECO DESCRIPTION OUTLINE CONVERSION PROJECT		
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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 [0.076/.381] X 45° CORNER FILLETS: R.02 [51]			
MACHINED SURFACES: 200 $\sqrt{\text{mm}}$ 5.1 $\sqrt{\text{INCH}}$			
mm SHOWN IN [BRACKETS]			

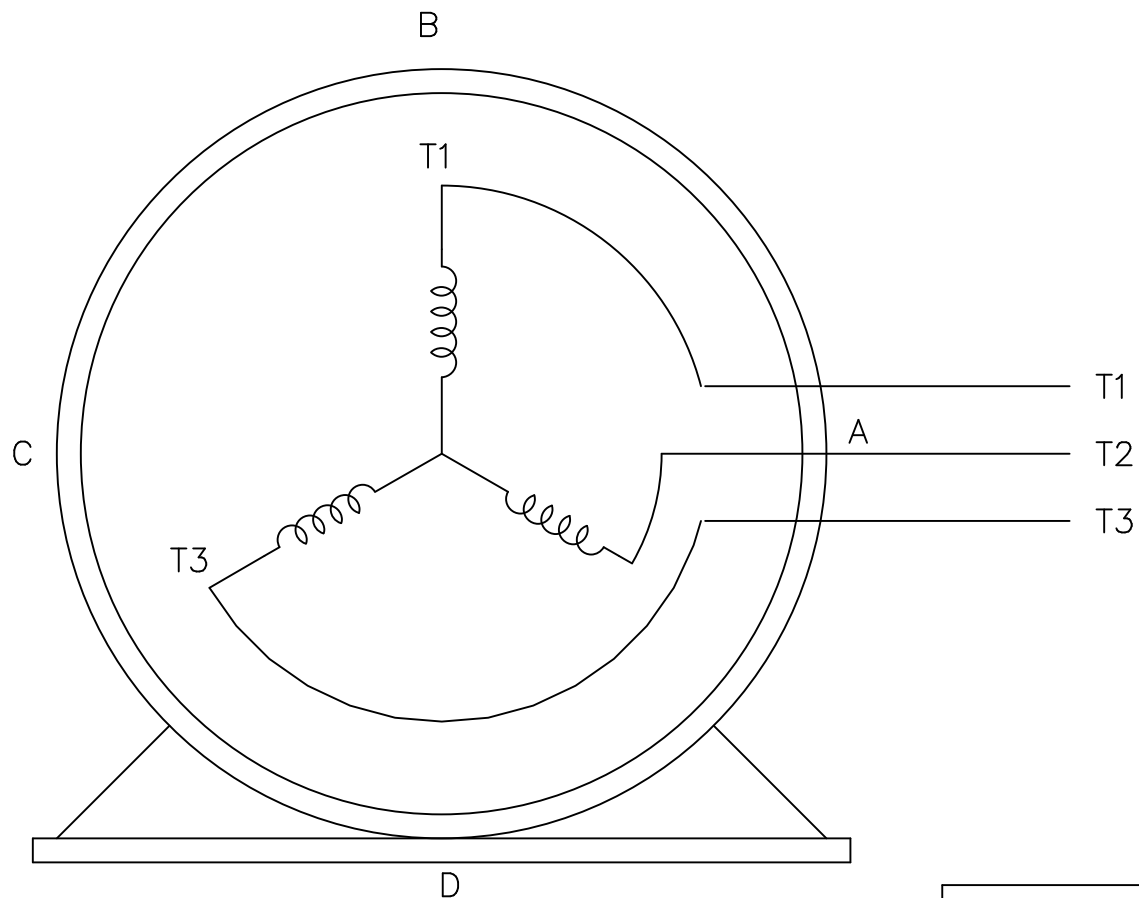
DRAWN BY BLR	DATE 06-07-1999
APPROVED BY	DATE
REFERENCE 100086LN	THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION	OUTLINE 56 FR.-TEFC
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER 100086LN
	SHEET 1 OF 1

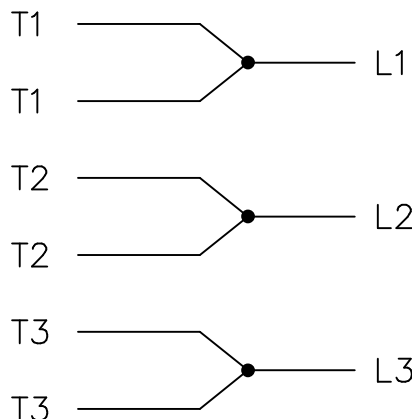
THREE PHASE – SINGLE VOLTAGE
MOTOR – CONDUIT BOX @ 'A'

EE7300-LN

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS



IF MOTOR HAS
6 LEADS




A-9806 DECAL

OPTIONAL CORD
CONNECTION

L1 WHITE
L2 RED
L3 BLACK

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			DRAWN BLR 08-13-1999				
				DEC.	INCHES		CHK ML 08-13-1999				
				.X	±.1		APPD GK 08-13-1999				
				.XX	±.02		SCALE 1=1				
2	ADDED OPTIONAL CORD CONNECTION PER MU47226	CTO 03-31-2004	PJB	.XXX	±.005	TITLE CONNECTION DIAGRAM SINGLE VOLT – 3Ø MOTOR	REF				
1	NEW DRAWING	CTO 08-13-1999		.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 EE7300_LN		SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST WP			A	EE7300-LN			2

Date: 3/7/2018

LM24295



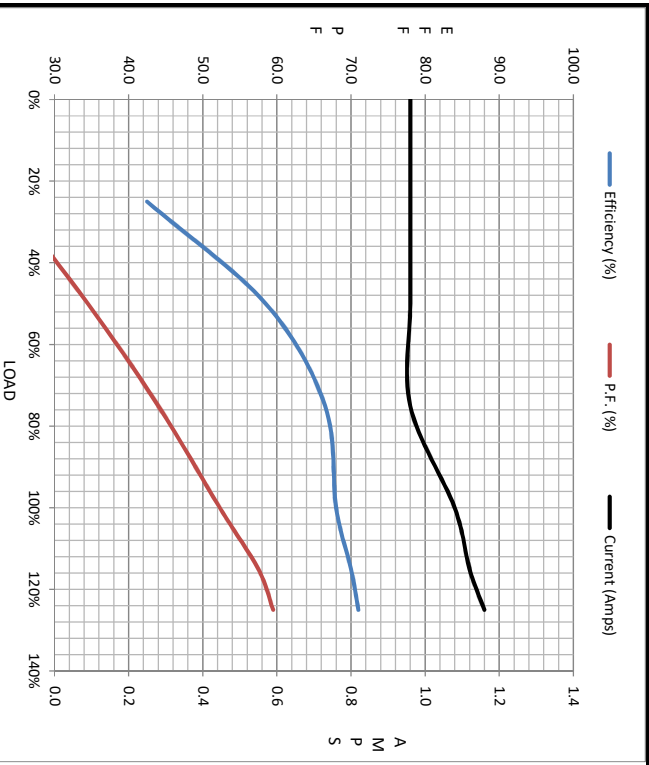
Data @ 575 V

Motor Load Data								
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.96	0.96	0.96	0.96	1.08	1.12	1.16	5.0
Torque (ft-lb)	0.00	0.56	1.10	1.70	2.30	2.70	3.0	7.2
RPM	1200	1190	1180	1160	1140	1137	1135	0
Efficiency (%)		42.5	58.5	66.5	68.0	70.0	71.0	
P.F. (%)	13.5	24.0	34.5	44.0	52.3	57.5	59.5	0.0

Motor Speed Data					
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	890	1140	1200
Current (Amps)	5.0	4.6	3.2	1.08	0.96
Torque (ft-lb)	7.2	6.5	9.0	2.30	0.00

Information Block

HP	0.5
Sync. RPM	1200
Frame	56
Enclosure	TEFC
Construction	TFR
Voltage	575 V
Frequency	60 Hz
Design	B
LR Code letter	L
Service Factor	1.15
Temp Rise @ FL	60 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk²	0.05 LB-Ft²
Ref Wdg	Z1606 NONE
Sound Pressure @ 1M	62 dBA
VFD Rating	VERIFY
Outline Dwg	A-100086LN-656
Conn. Diag	A-EE7300-LN
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
35.4380	17.7190
X1	X2
35.4380	35.4380
Xm	
336.6560	



Speed - Torque Curve

