

PRODUCT INFORMATION PACKET



Model No: AF4B15TC61
Catalog No: LM16762
15,1800,TEFC,254T,3/60/230/460
Totally Enclosed Fan Cooled (TEFC)



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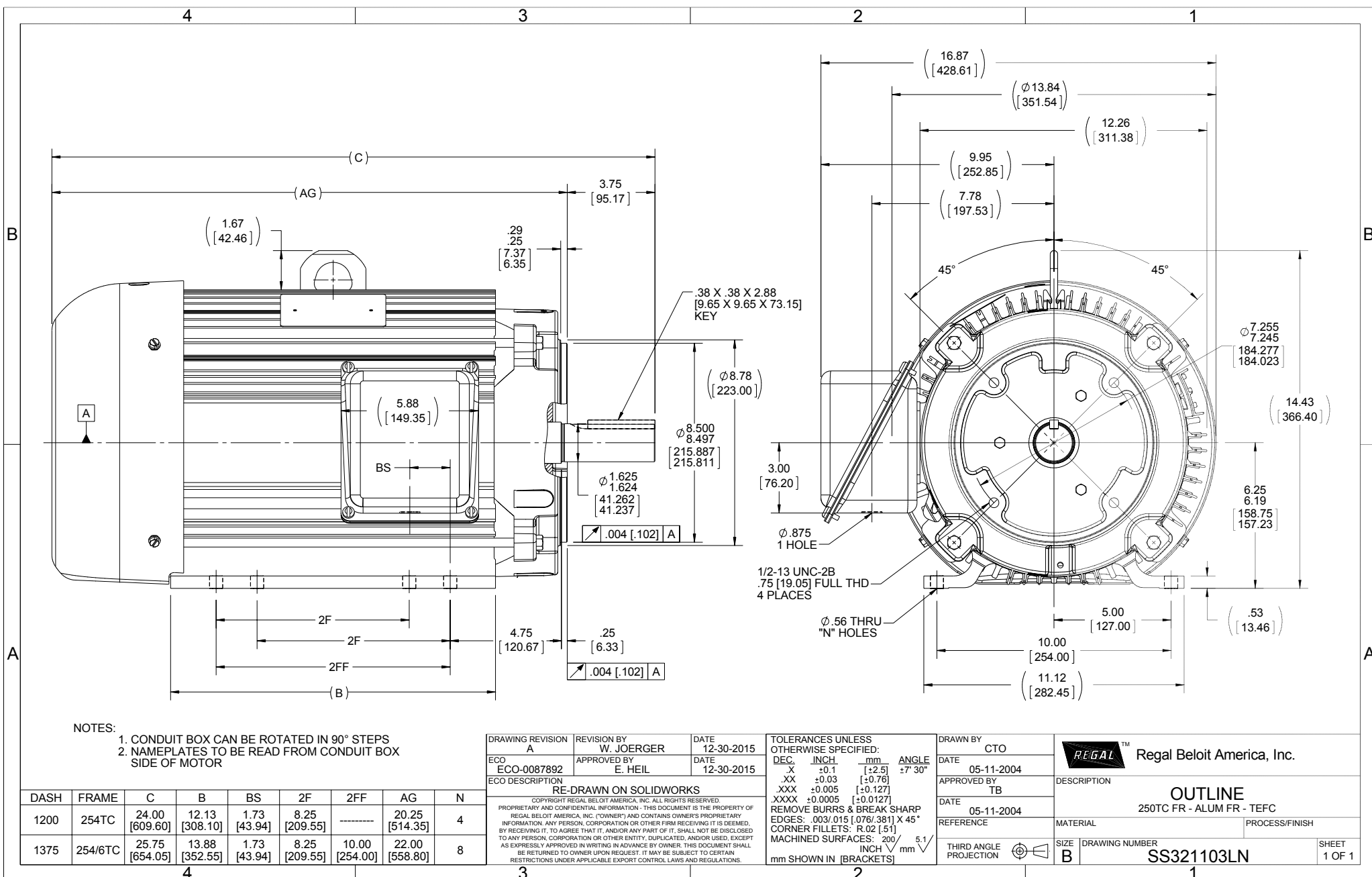


Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	37.5/18.8 A	Speed	1775 rpm
Service Factor	1.25	Phase	3
Efficiency	92.4 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	254TC
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	309
Opp Drive End Bearing Size	208	UL	Recognized
CSA	Y	CE	Y
IP Code	43		

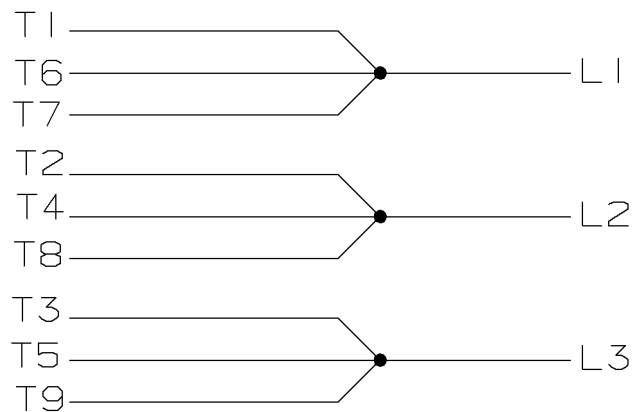
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Aluminum	Shaft Type	T
Overall Length	24.00 in	Frame Length	12.00 in
Shaft Diameter	1.625 in	Shaft Extension	4 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS321103LN-1200	Connection Diagram	A-EE7308K-LN

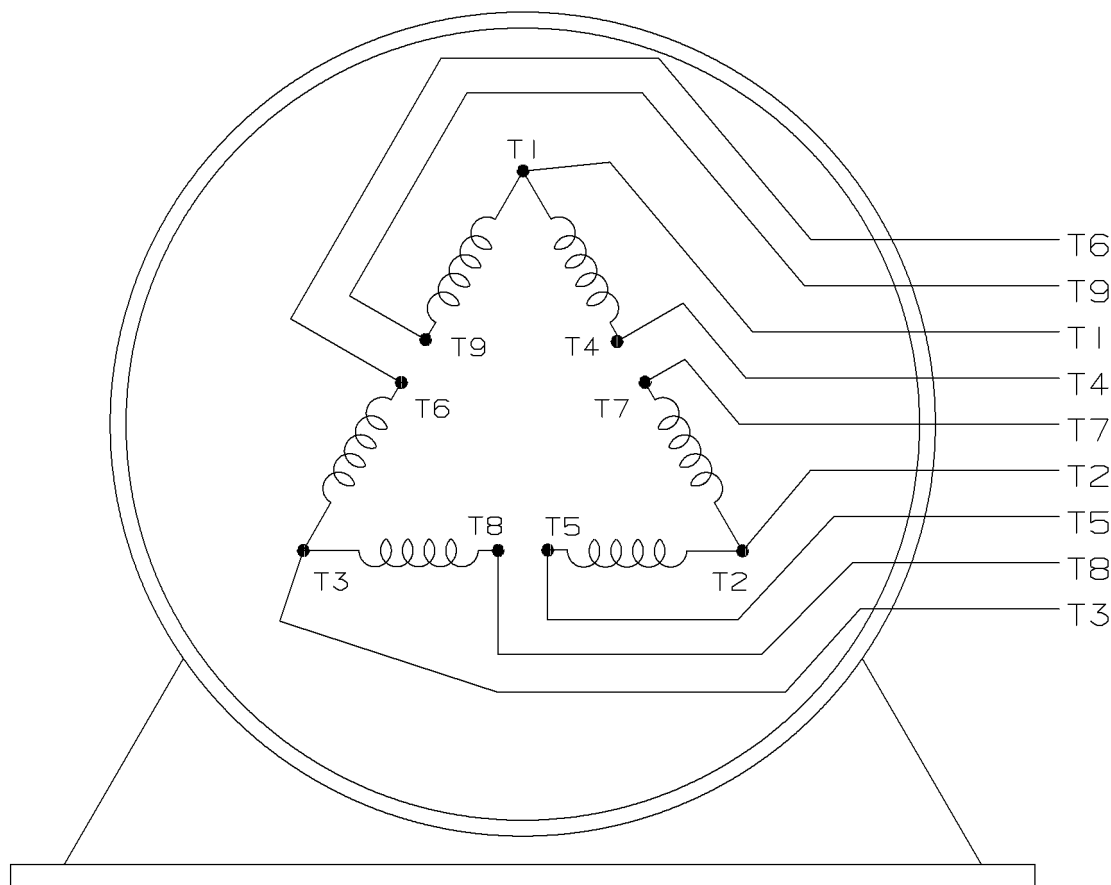
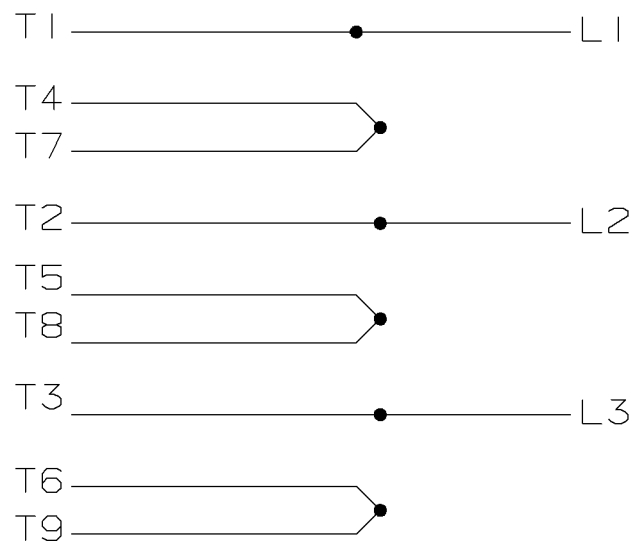


LOW VOLTAGE

A- EE7308K-LN



HIGH VOLTAGE



VIEW OF TERMINAL END

					✓ UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES± 7°30"					
2	08-09-1999	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR		MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED		DRAWN BY	TRB	07-15-1999	
					FINISH		CHKD BY	ML	07-15-1999	
1	06-18-1999	NEW DRAWING	TRB		MATERIAL		APPD BY	GK	07-20-1999	
REV	DATE	CHANGE	NAME	PART NAME CONNECTION DIAGRAM DELTA CONN. - 3Ø - 9 LEADS					DRWG NO A - EE7308K - LN	
					PURCHASED		CADD FILE NO.		EE7308KLN	

Data Sheet

Date: 1/19/2018

LM16762



Data @ 460 V

Motor Load Data

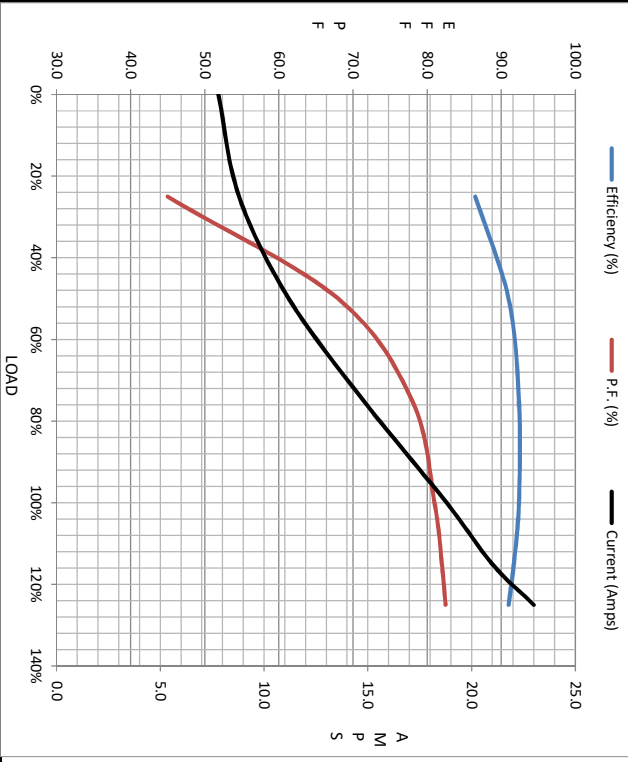
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	7.8	8.8	11.2	14.8	18.8	21.0	23.0	110
Torque (ft-lb)	0.00	11.0	22.0	33.5	44.4	50.5	56.0	85.0
RPM	1800	1792	1788	1780	1775	1,770	1765	0
Efficiency (%)		86.5	91.0	92.4	92.4	91.7	91.0	
P.F. (%)	11.5	45.0	68.0	78.0	81.0	82.0	82.5	40.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1675	1775	1800
Current (Amps)	110	95.0	69.0	18.8	7.8
Torque (ft-lb)		75.0	125	44.4	0.00

Information Block

HP	15.0
Sync. RPM	1800
Frame	254
Enclosure	TEFC
Construction	TFY
Voltage	230/460#380-415 V
Frequency	60 Hz
Design	B
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	55 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk ²	2.40 Lb-Ft ²
Ref Wdg	K2564165 R26
Sound Pressure @ 1M	65 dBA
VFD Rating	NONE
Outline Dwg	B-SS92103LN-1200
Conn. Diag	A-EE7308K-LN
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.3/60	0.2380
X1	X2
1.3510	1.7770
Xm	32.5080



Speed -Torque Curve

