

# PRODUCT INFORMATION PACKET



Model No: AAF2B20T61  
Catalog No: LM15673  
256T TEFC 20HP3600 230460000/360  
Totally Enclosed Fan Cooled (TEFC)



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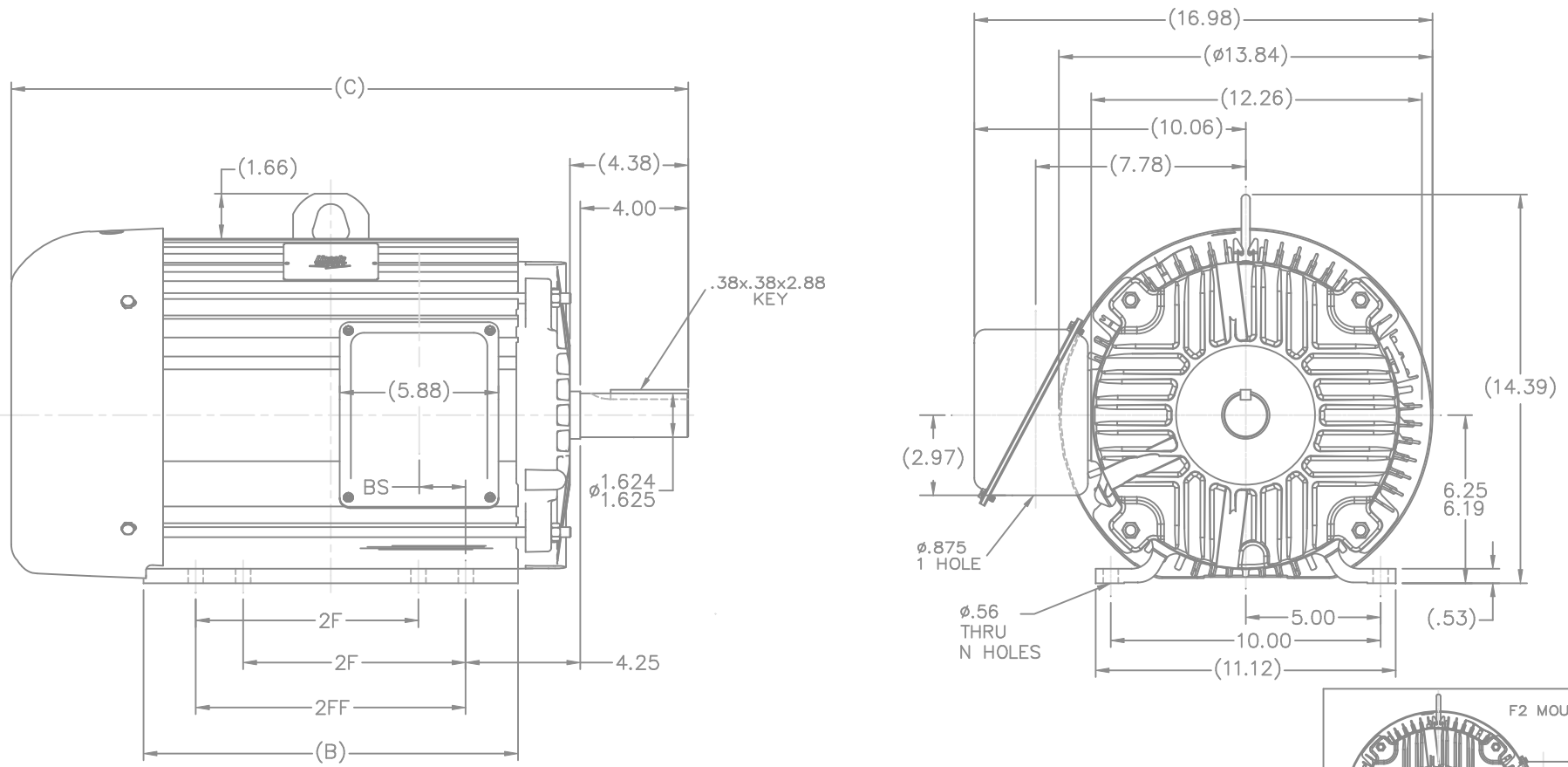


### Nameplate Specifications

Output HP	<b>20 Hp</b>	Output KW	<b>14.9 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>47.0/23.4 A</b>	Speed	<b>3537 rpm</b>
Service Factor	<b>1.25</b>	Phase	<b>3</b>
Efficiency	<b>92.4 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>G</b>	Frame	<b>256T</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>309</b>
Opp Drive End Bearing Size	<b>208</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>Aluminum</b>	Shaft Type	<b>T</b>
Overall Length	<b>25.15 in</b>	Frame Length	<b>13.75 in</b>
Shaft Diameter	<b>1.625 in</b>	Shaft Extension	<b>4 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>		
Outline Drawing	<b>B-SS321100LN-1375</b>	Connection Diagram	<b>A-EE7308-LN</b>



NOTES:  
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.  
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FR.	C	B	BS	2F	2FF	N
1200	254T	23.40	12.13	1.73	8.25	<del>10.00</del>	4
1375	254/6T	25.15	13.88	1.73	8.25	10.00	8

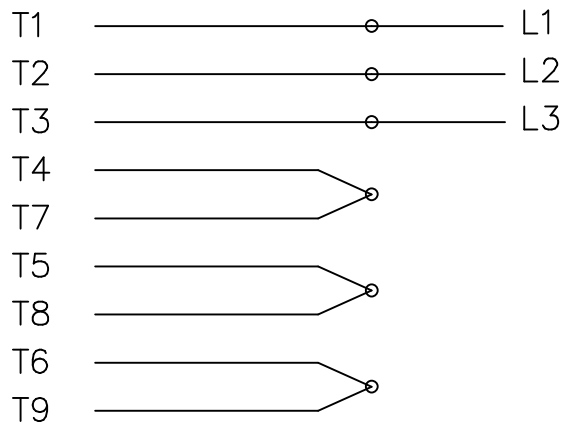
NO.		REVISION	BY & DATE	CHK	ANG	FINISH	PREV
3	B DIM 12.13 WAS 12.00, AND 13.88 WAS 13.75	MJK	05/18/2004				
	CN 29200-3584						
2	25.15 WAS 25.65, 23.40 WAS 23.90 CN 32681	MJK	05/04/2004				
1	(4.38) WAS (4.37), Ø1.624/1.625 WAS Ø1.624/1.624	MJK	04/29/2004				
	CN 32681						
THIS DRAWING IN DESIGN 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 ss321100ln	SIZE B
				DIST	LB		DRAWING NO. SS321100LN
							PAGE 3
							OF 3
							REV. 3



TOLERANCES UNLESS SPECIFIED  
 DEC. INCHES  
 .X ±.1  
 .XX ±.03  
 .XXX ±.005  
 .XXXX ±.0005  
 TITLE OUTLINE  
 250T FR - ALUM. FR. - TEFC  
 MAT'L  
 DRAWN MJK 03-29-2004  
 CHK ML 03-29-2004  
 APPD JPL 03-29-2004  
 SCALE 1=4  
 REF  
 FWF  
 PREV

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

OPTIONAL CORD  
CONNECTION

L1 ———— WHITE  
 L2 ———— RED  
 L3 ———— BLACK

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN	DATE		
				DEC.	INCHES					
				.X	±.1		BLR	06/11/1999		
							ML	06/18/1999		
							GK	06/18/1999		
3	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XX	±.02	TITLE CONNECTION DIAGRAM		SCALE 1=1		
2	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR 08/09/1999	GK	.XXX	±.005	3∅ - DUAL VOLTAGE MOTOR		REF		
1	NEW DRAWING	BLR 06/18/1999	GK	.XXXX	±.0005	MAT'L.		FMF		
				ANG	±7'30"			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 EE7308LN			SIZE	DRAWING NO. PAGE OF	REV.
				DIST WP				A	EE7308-LN	3



Date: 1/19/2018

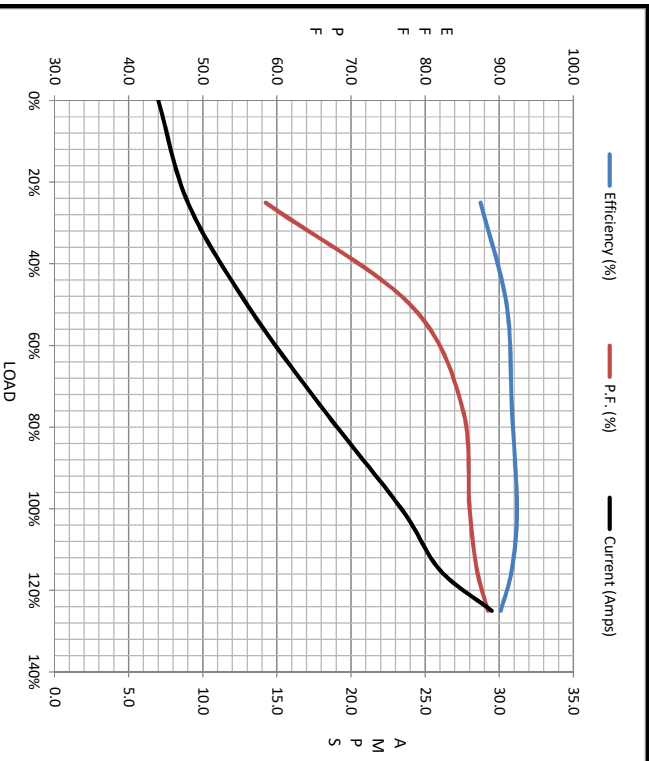
LM15673



Data @ 460 V

Motor Load Data								
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	7.0	9.0	13.0	18.0	23.4	26.0	29.5	145
Torque (ft-lb)	0.00	7.5	15.0	22.0	29.7	31.0	37.5	55.0
RPM	3600	3585	3570	3555	3537	3525	3515	0
Efficiency (%)		87.5	91.0	91.7	92.4	91.7	90.2	
P.F. (%)		58.5	78.0	85.0	86.0	87.0	88.5	37.0

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 <sup>2</sup>	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	
0	1800	3155	3537	3600		20.0	3600	256	TEFC	TFY	230/460#380-415	60	B	G	1.15	55	CONT	40 °C	1,000	1.30	K256238 R8	72	VARIABLE 10:1	B-SS321100LN-1375	A-EE7308-1N		
Current (Amps)	145	131	100	23.4	7.0																						
Torque (ft-lb)	55.0	50.0	84.0	29.7	0.00																						



EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	Xm
0.2530	0.2230	1.0790	1.1190
			37.7720

