

# PRODUCT INFORMATION PACKET



Model No: SRF4S0.33TCN61  
Catalog No: LM24093  
1/3,1725,TEFC,S56C,3/60/208-230/460  
Totally Enclosed Fan Cooled (TEFC)



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### Nameplate Specifications

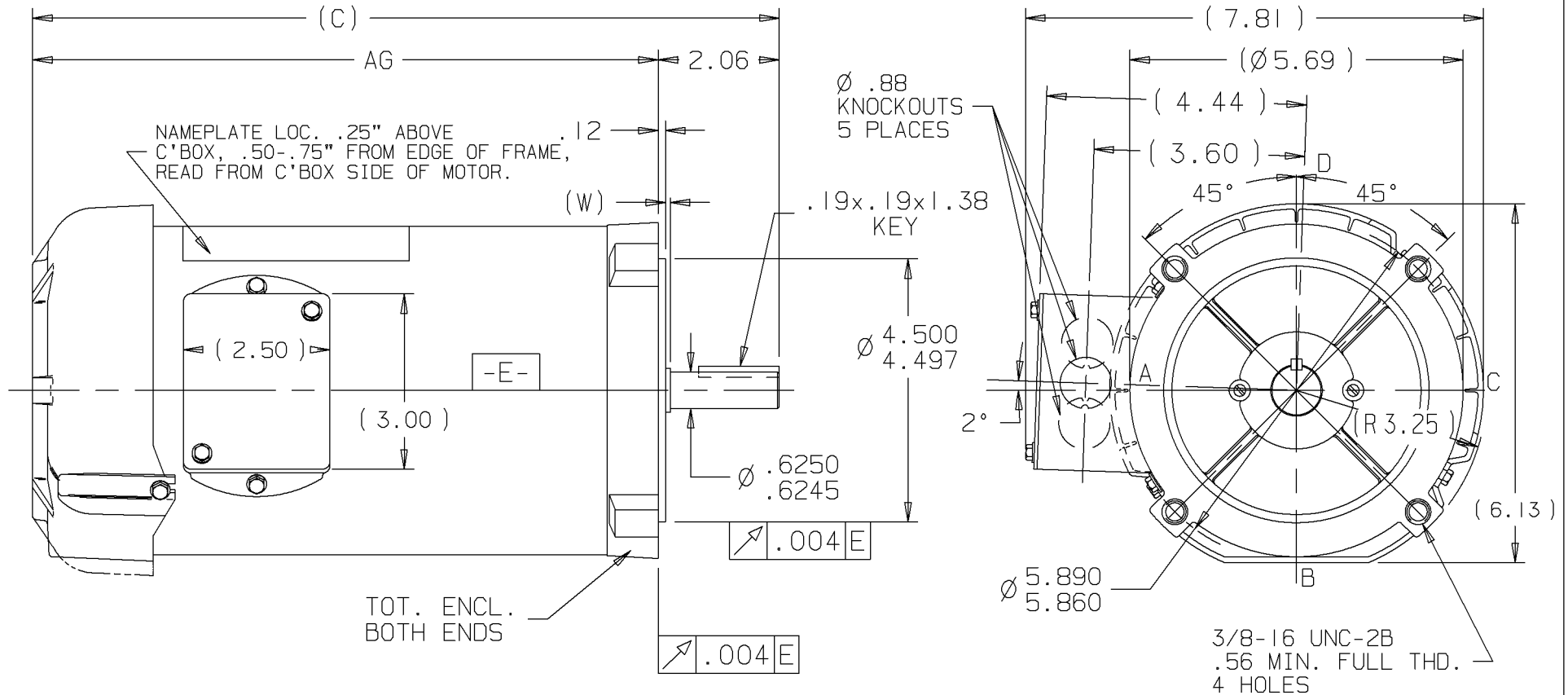
Output HP	<b>0.33 Hp</b>	Output KW	<b>0.25 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>1.6/0.80 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>65.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>B</b>	Design Code	<b>B</b>
KVA Code	<b>N</b>	Frame	<b>S56C</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>203</b>
Opp Drive End Bearing Size	<b>203</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 Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>Round</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>NEMA 56</b>
Overall Length	<b>10.19 in</b>	Frame Length	<b>5.25 in</b>
Shaft Diameter	<b>0.625 in</b>	Shaft Extension	<b>1.88 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>A-SS75175LN-525</b>	Connection Diagram	<b>A-EE7308-LN</b>

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'W' = CLEARANCE ALLOWED FOR ALL VARIANCES  
IN MANUFACTURING & ASSEMBLY



DASH	C	AG	DASH	C	AG
500	9.94	7.88	625	11.19	9.13
525	10.19	8.13			
575	10.69	8.63			

						UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.03 XXX±.005 XXXX±.0005 ANGLES± 7'30"			
						MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED		DRAWN BY BLR 06-11-1999	
						FINISH		CHKD BY ML 07-21-1999	
						MATERIAL		APPD BY GK 07-21-1999	
I	07-21-1999	NEW DRAWING		BLR		PART NAME OUTLINE			
REV	DATE	CHANGE		NAME		DRWG NO A-SS75175LN			

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

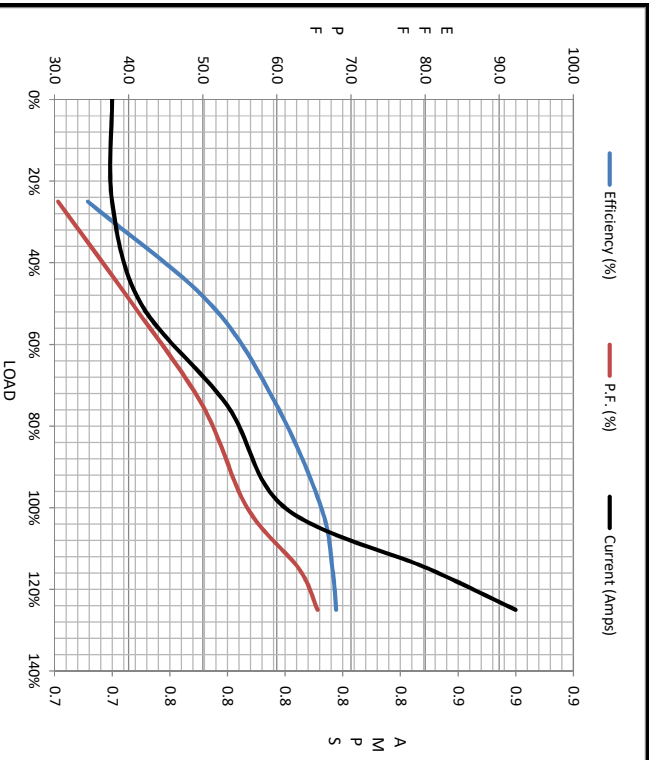
NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN	DATE			
				DEC.	INCHES						
				.X	±.1		BLR	06/11/1999			
							ML	06/18/1999			
							GK	06/18/1999			
3	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XX	±.02	TITLE CONNECTION DIAGRAM		SCALE 1=1			
2	RE-ISSUE, ADDED '-' TO PART NUMBER	BLR 08/09/1999	GK	.XXX	±.005	3Ø - 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 A	DRAWING NO. EE7308-LN	PAGE OF 3	REV. 3
				DIST WP							





Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	0.74	0.74	0.75	0.78	0.80	4.7
Torque (ft-lb)	0.00	0.25	0.50	0.75	1.00	4.3
RPM	1800	1780	1770	1750	1725	0
Efficiency (%)		34.5	51.0	60.0	66.0	
P.F. (%)	20.0	30.5	40.5	50.0	56.0	83.0

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:	R1	R2	X1	X2	Xm
0	900	1500	1725	1800		0.3	1800	56	DP	TDR	230/460#190/380	60	B	N	1.15	30	CONT	40 °C	1,000	0.04	NONE	56	NONE	A-SS75175LN-525	A-EE7308-1N		0.0000	0.0000	0.0000	0.0000	0.0000



EQUIV CKT (OHMS / PHASE)					
R1	R2	X1	X2	Xm	
0.0000	0.0000	0.0000	0.0000	0.0000	

