

PRODUCT INFORMATION PACKET



Model No: CCF4B10U64
Catalog No: LM20390
10,1800,TEFC,256U,3/60/460
Automotive Duty



Regal and Leeson are trademarks of Regal Beloit Corporation or one of its affiliated companies.
©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E



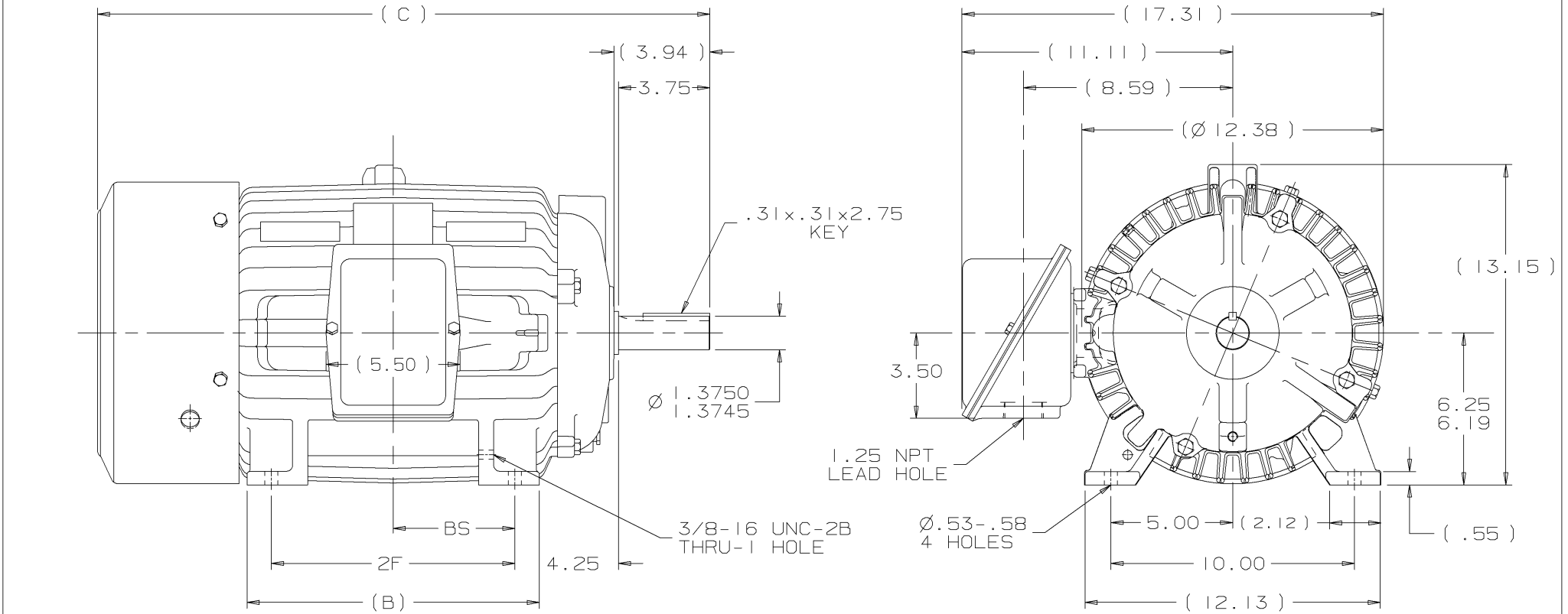


Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	460 V
Current	12.5 A	Speed	1765 rpm
Service Factor	1	Phase	3
Efficiency	91.7 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	256U
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	65 °C	Drive End Bearing Size	309
Opp Drive End Bearing Size	207	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	Cast Iron	Shaft Type	U
Overall Length	25.19 in	Frame Length	13.50 in
Shaft Diameter	1.375 in	Shaft Extension	3.75 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS203580LN-1350	Connection Diagram	A-EE7300-LN



NOTES:

1. C.BOX CAN BE ROTATED IN 90° STEPS
2. C.BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°
3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

- NOTES:
1. C.BOX CAN BE ROTATED IN 90° STEPS
 2. C.BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°
 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

												☒		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 NJS 08-02-2000		
												FINISH				CHKD BY ML 08-02-2000		
												MATERIAL				APPD BY TB 08-02-2000		
DASH	FRAME	B	C	2F	BS		I	08-02-2000	NEW DRAWING			MU32304	NJS	PART NAME OUTLINE - TEFC 250U FR. - BB - TS - STD. CAST C.BOX			DRWG NO B - SS203580LN	
1175	254U	10.25	23.44	8.25	4.12													
1350	256U	12.00	25.19	10.00	5.00		REV	DATE	CHANGE				NAME	L PURCHASED			CADD FILE NO. SS203580LN	

EE7300-LN

The diagram illustrates three parallel merge operations. Each operation consists of two input lines on the left and one output line on the right. The inputs are labeled T1, T2, and T3, and the outputs are labeled L1, L2, and L3. The lines for each operation are connected by a small black dot, representing a merge point.

VIEW OF TERMINAL END

L1	<u>WHITE</u>
L2	<u>RED</u>
L3	BLACK

				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

Data Sheet

Date: 1/29/2018

LM20390



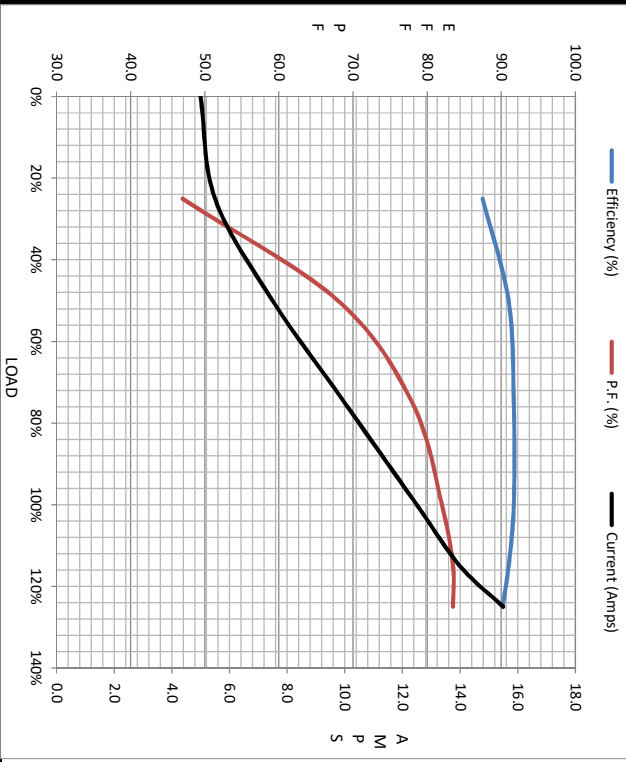
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	5.0	5.5	7.5	10.0	12.5	14.0	15.5	80.0
Torque (ft-lb)	0.00	7.5	14.5	22.0	29.8	34.5	37.5	60.0
RPM	1800	1790	1785	1775	1765	1735	1750	0
Efficiency (%)		87.5	91.0	91.7	91.7	91.0	90.2	
P.F. (%)	6.5	47.0	68.0	78.0	82.0	83.5	83.5	42.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	900	1675	1765	1800		
Current (Amps)	80.0	72.0	46.0	12.5	5.0		
Torque (ft-lb)	60.0	54.0	81.0	29.8	0.00		
						HP	10.0
						Sync. RPM	1800



Information Block				
HP		10.0		
Sync. RPM		1800		
Frame		256		
Enclosure		TEFC		
Construction		TFP		
Voltage		460	V	
Frequency		60	Hz	
Design		B		
LR Code letter		G		
Service Factor		1.15		
Temp Rise @ FL		50	° C	
Duty		CONT		
Ambient		40	° C	
Elevation		1,000	feet	
Rotor/Shaft wk²		1.10	Lb-FT²	
Ret Wdg		K2154249	R9	
Sound Pressure @ 1M		62	dB(A)	
VFD Rating		NONE		
Outline Dwg		B-SS203580LN-1350		
Conn. Diag		A-EE7300-LN		
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.5400	0.4880	2.0930	3.2090	51.1200

Speed -Torque Curve

