PRODUCT INFORMATION PACKET

Model No: LM21159
Catalog No: LM21159
Speed Ratio Motors, Drip Proof, 5 HP, 3 Ph, 60 Hz, 230/460 V, 1755 RPM, 184T Frame



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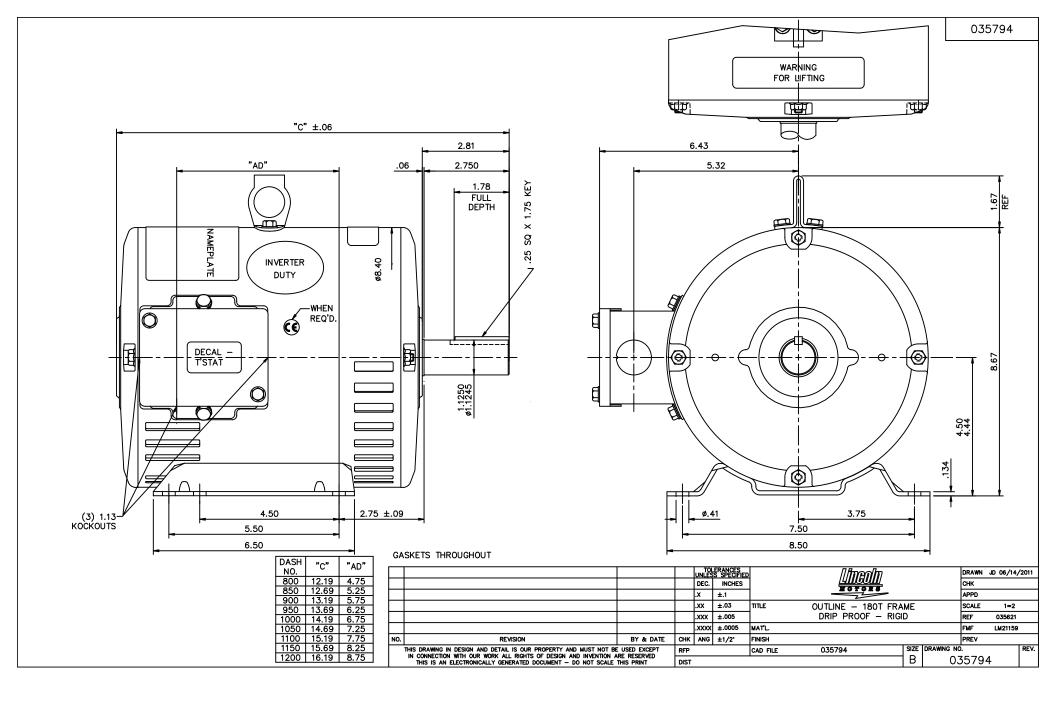
Nameplate Specifications

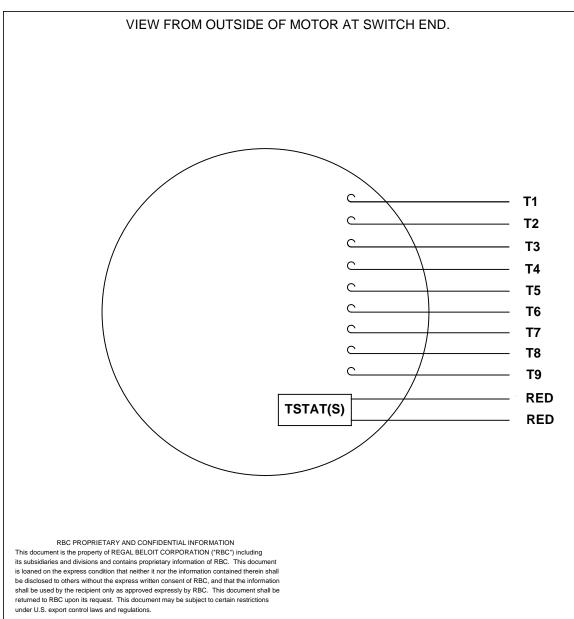
Output HP	5 Hp	Output KW	3.7 kW	
Frequency	60 Hz	Voltage	230/460 V	
Current	13.2/6.6 A	Speed	1755 rpm	
Service Factor	1	Phase	3	
Efficiency	87.5 %	Power Factor	81.1	
Duty	Continuous	Insulation Class	F	
Design Code	INV	KVA Code	J	
Frame	184T	Enclosure	Drip Proof	
Thermal Protection	No Protection	Ambient Temperature	40 °C	
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205	
UL	Recognized	CSA	Υ	
CE	Υ	IP Code	22	
Number of Speeds	1			
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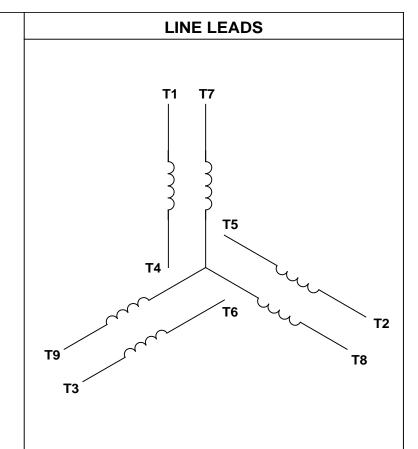
Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	3.17 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Т	Overall Length	13.19 in
Frame Length	9.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 2:1		
Outline Drawing	035794-900	Connection Drawing	005010.20LN

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VOLTAGE	L1	L1 L2 L3		JOIN & INSULATE
HIGH	T1	T2	Т3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

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				DEC	INCHES	<u>UIIGUII</u> WOTORS			снк	ST 3/17/20	011
				.X	±.1	MOTORS			APPR		
				.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM			SCALE	1:1	
				.XXX	±.005	3 PHASE W/O PROTECTOR			REF	005010-20)
				.xxxx	±.0005	MAT'L DECAL - 004014 (TSTAT) - 080582			FMF		
NO	REVISION	BY & DATE	СНК	ANG	±1/2°	FINISH STOCK			PAGE	OF	
	THIRD ANGLE					PREV	SIZE	DRAWING	NO		REV
	PROJECTION (1)				NETWORK FILE NAME 00501020LN					20LN	



2100 WASHINGTON ST. GRAFTON, WI PH. 262-277-8810

CONN. DIAGRAM: 005010.20LN

OUTLINE: 035794-900 CATALOG #: LM21159

WINDING #: T84179 DR 3 MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	1800	1755	184T	DP	J	INV

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°С
3	60	230/460	13.2/6.6	INVERTER ONLY	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	87.5	3/4 LOAD EFF:	87.3	1/2 LOAD EFF:	86.9	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	81.1	3/4 LOAD PF:	75.4	1/2 LOAD PF:	59.8	0	SQ CAGE INV DUTY

F.L. TORQUE	F.L. TORQUE LOCKED ROTOR AMPS		L.R. TOR	QUE	E	F.L. RISE°C		
14.95 LB-FT	98.4 / 49.2	30	LB-FT	200 %	50.5	LB-FT	337 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 LB-FT^2	- LB-FT^2	10 SEC.	-	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN

BEAR	RINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFITTE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	DOLVDEY EM	Ŧ	NONE	NONE	AICI 104F (C 240)	DOLLED CTEEL	
6206	6205	POLYREX EM	ļ.	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL	

	THERMO-PROTECT	THERMISTORS	CONTROL	CDACE HEATERS			
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE HEATERS	
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS

*	INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: NONE
N	ENCODER: NONE
0	NONE NONE PPR
Т	BRAKE: NONE NONE
E	NONE P/N NONE NONE NONE
s	FT-LB NONE V NONE Hz

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