

PRODUCT INFORMATION PACKET



Model No: LM32740

Catalog No: LM32740

General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
213T Frame, DP



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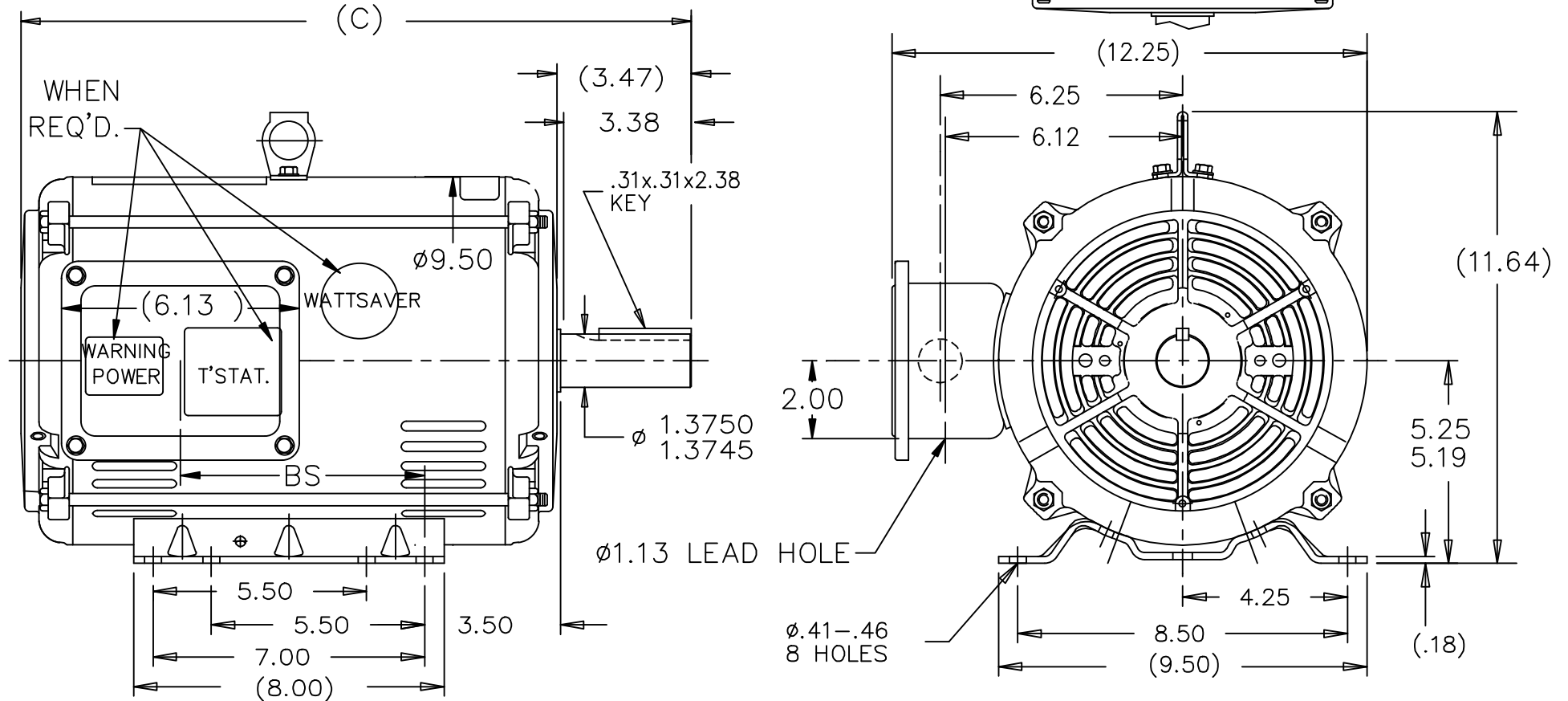
Nameplate Specifications

Phase	3	Output HP	10 & 7.5 Hp
Output KW	7.5 & 5.6 kW	Voltage	230/460 & 190/380 V
Speed	3515 & 2910 rpm	Service Factor	1.15 & 1.15
Frame	213T	Enclosure	Drip Proof
Thermal Protection	Thermostat	Efficiency	89.5 & 87.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	23.4/11.7 & 22/11 A	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	1.1 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	17.30 in
Frame Length	11.15 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	A-SS88641LN-1115	Connection Drawing	005010.20LN


SS88641LN



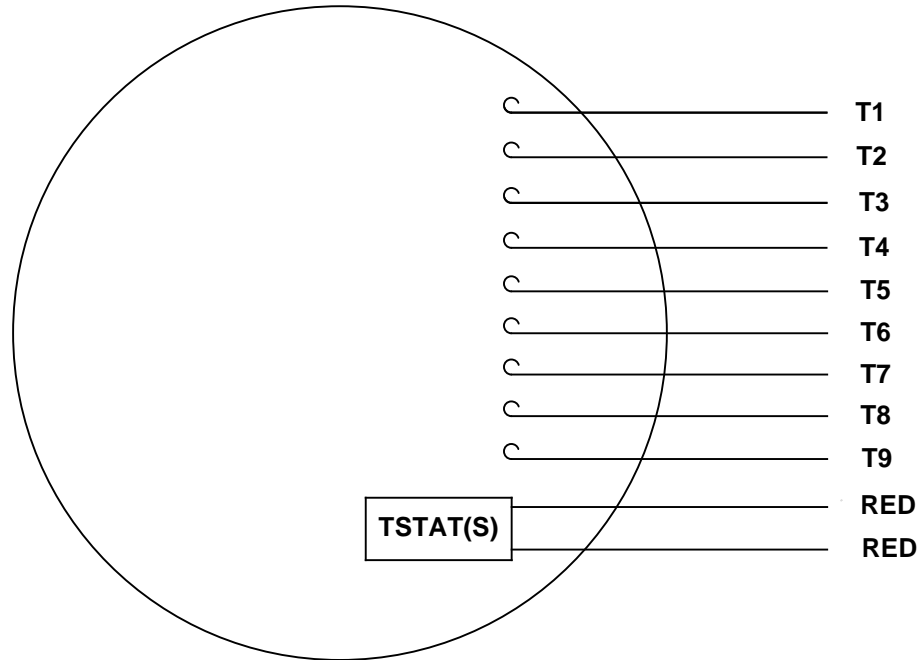
DASH	FR.	C	BS	MOUNTING
965	213T	15.80	4.80	
1115	213/15T	17.30	6.30	
1240	213/15T	18.55	7.55	F1 ONLY

NOTES:

- NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.
- BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)
- DASH 965 TO BE READ FROM OPPOSITE SHAFT END

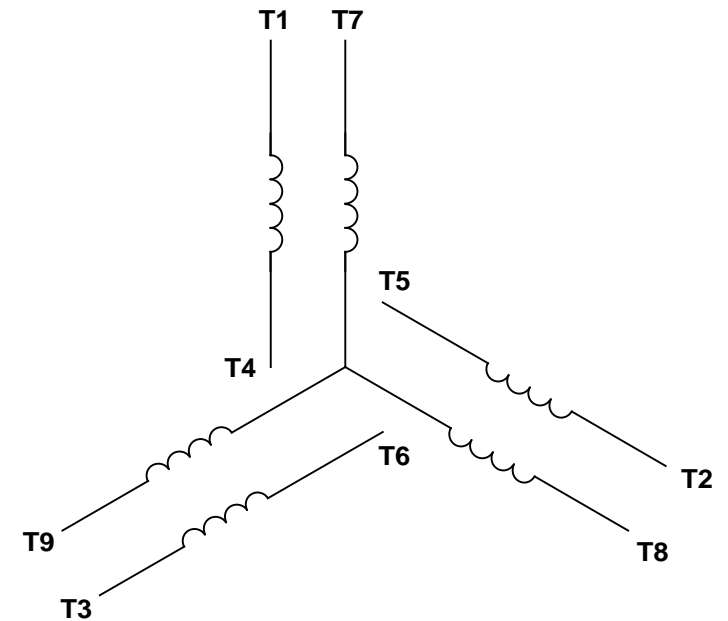
				TOLERANCES UNLESS SPECIFIED			DRAWN SR 02/15/2012		
				DEC.	INCHES		CHK AK 02/015/2012		
				.X	$\pm .1$		APPD AK 02/15/2012		
				.XX	$\pm .03$		SCALE 1=4		
				.XXX	$\pm .005$		REF		
				.XXXX	$\pm .0005$		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	$\pm 1/2^{\circ}$	FINISH	PREV		
THIS DRAWING IN DESIGN 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	SS88641LE	CAD FILE SS88641LN	SIZE	DRAWING NO.	PAGE OF
				DIST	LB		A	SS88641LN	REV.

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.


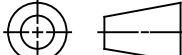


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LINE LEADS



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

				TOLERANCES UNLESS SPECIFIED			DRAWN KK 3/17/2011					
				DEC	INCHES		CHK ST 3/17/2011					
				.X	±.1		APPR					
				.XX	±.01		SCALE 1:1					
				.XXX	±.005		REF 005010-20					
				.XXXX	±.0005	MAT'L DECAL - 004014 (TSTAT) - 080582			FMF			
NO	REVISION		BY & DATE	CHK	ANG	±1/2°	FINISH STOCK			PAGE OF		
<div>THIRD ANGLE PROJECTION</div> 				RFP			PREV		SIZE	DRAWING NO		REV
				NETWORK FILE NAME 00501020LN					A	005010-20LN		

THIRD ANGLE
PROJECTION



CONN. DIAGRAM: 005010.20LN

MODEL #: LM32740

OUTLINE: A-SS88641LN-1115

WINDING #: K213282 R5 1

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&7 1/2	7.50&5.60	3600	3515&2910	213T	DP	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	23.4/11.7&22/11	ACROSS THE LINE	CONTINUOUS	F4	1.15/1.15	40

FULL LOAD EFF:	89.5&87.5	3/4 LOAD EFF:	89.5	1/2 LOAD EFF:	88.5	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	90&90	3/4 LOAD PF:	87.5	1/2 LOAD PF:	81	86.5		SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	162 / 81	25 LB-FT 167 %	46.5 LB-FT 310 %	25

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dba	85 dba	0.45 LB-FT^2	5 LB-FT^2	15 SEC.	2	105 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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
6307	6206	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

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

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INVERTER TORQUE:	NONE
INV. HP SPEED RANGE:	NONE
ENCODER:	NONE
	NONE NONE
	NONE NONE PPR
BRAKE:	NONE NONE
	NONE P/N NONE
	NONE NONE
	NONE FT-LB NONE V NONE Hz

Data Sheet

Date: 1/23/2018

LM32740



Data @ 460 V

Motor Load Data

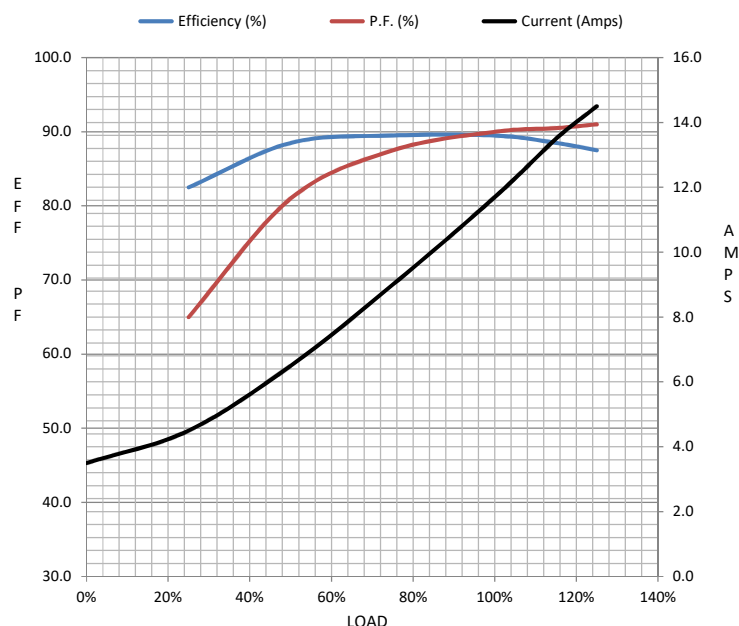
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.5	4.5	6.5	9.0	11.7	13.5	14.5	81.0	
Torque (ft-lb)	0.00	3.7	7.4	11.1	15.0	17.5	18.8	25.0	
RPM	3600	3580	3560	3540	3515	3,505	3490	0	
Efficiency (%)		82.5	88.5	89.5	89.5	88.5	87.5		
P.F. (%)	13.0	65.0	81.0	87.5	90.0	90.5	91.0	43.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1758	2985	3515	3600
Current (Amps)	81.0	72.9	53.5	11.7	3.5
Torque (ft-lb)	25.0	21.3	46.5	15.0	0.00

Information Block

HP	10.0			
Sync. RPM	3600			
Frame	213			
Enclosure	DP			
Construction	TDW			
Voltage	230/460#190/380	V		
Frequency	60	Hz		
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	25	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.45	Lb-Ft²		
Ref Wdg	K213282 R5			
Sound Pressure @ 1M	75	dBA		
VFD Rating	NONE			
Outline Dwg	A-SS88641LN-1115			
Conn. Diag	005010.20LN			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.6160	0.4350	1.9260	1.0760	60.7760



Speed - Torque Curve

