PRODUCT INFORMATION PACKET



Model No: LM16745 Catalog No: LM16745 General Purpose Motor, 5 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 380-415 V, 3600 & 3000 RPM, 184TC Frame, TEFC



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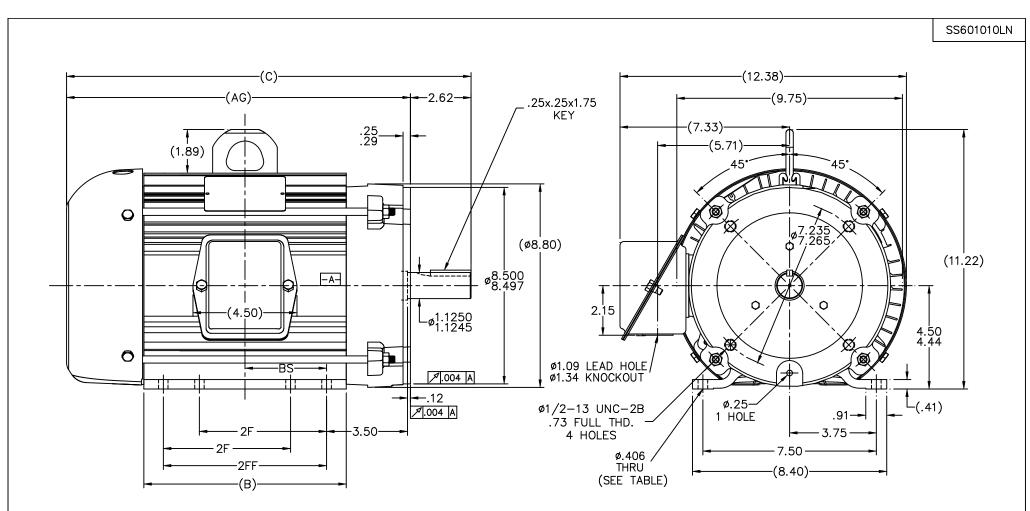
Nameplate Specifications

Phase	3	Output HP	5 & 5 Hp
Output KW	3.7 & 3.7 kW	Voltage	230/460 & 380-415 V
Speed	3505 & 2890 rpm	Service Factor	1.25 & 1.0
Frame	184TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 & 87.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	11.8/5.9 & 7-6.8 A	Power Factor	89
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	J
Drive End Bearing Size	207	Opp Drive End Bearing Size	205
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	2.32 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	Т	Overall Length	16.83 in
Frame Length	8.20 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS601010LN-820	Connection Drawing	A-EE7308-LN

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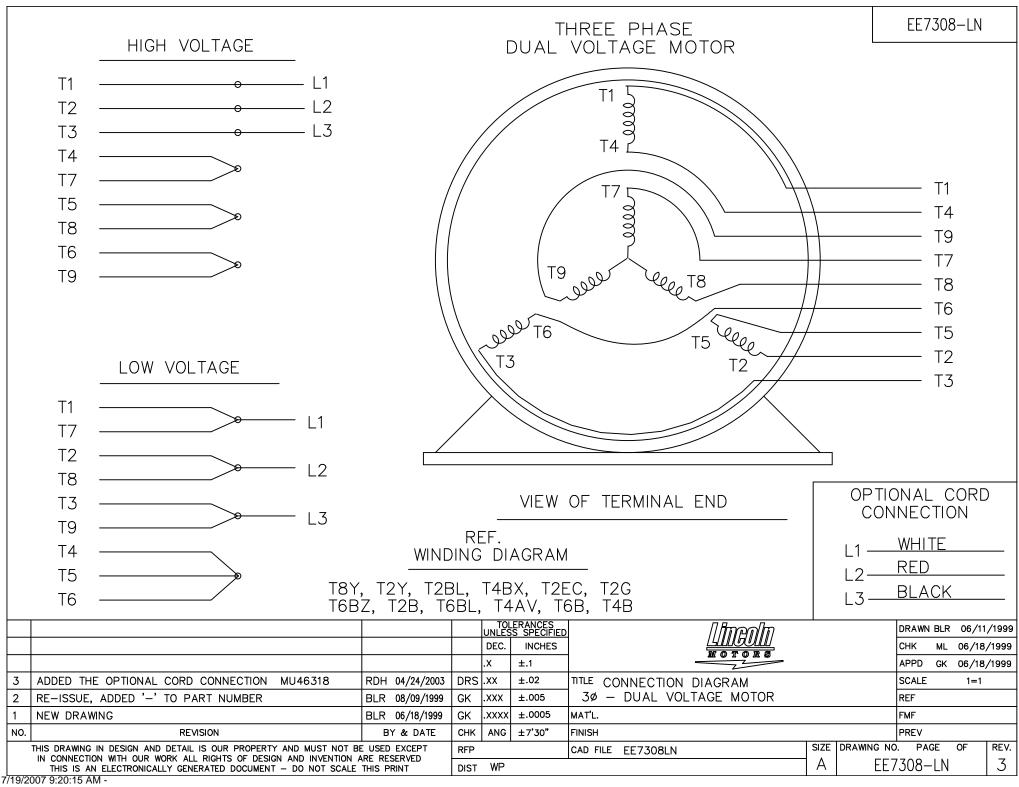


NOTES:

- 1. CONDUIT BOX TO BE ROTATED IN 90° STEPS.
- 2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FR.	С	BS	В	2F	AG	2FF	FOOT HOLE
620	182T	14.83	2.25	6.20		12.21	4.50	4
720	184T	15.83	2.75	7.20	-	13.21	5.50	4
720	182/4T	15.83	2.75	7.20	4.50	13.21	5.50	8
820	182/4T	16.83	3.25	8.20	5.50	14.21	6.50	8
. 875	184T	17.49	3.53	8.75	5.50	14.87	7.06	8
			_					

	10	CHANGED DASH 720 182/4T TO 184T AND DIMENSION	JJB 0	5/25/2007	ML	UNLES	ERANCES S SPECIFIED			[DRAWN E	JW 02/0	1/2000
		2FF FROM 4.50 TO 5.50 ECN 10328				DEC.	INCHES	<u> </u>			CHK I	AL 02/0	2/2000
	ø	-620, 720; 2F NOW 2FF DIM. (4 MTG HOLES) CN 33910	DRS 10	0-25-2005	ML	x.	±.1			-	APPD (¥ 02/0	2/2000
	8	FIXED 2FF DIM. FOR -820 WAS 5.50 CN 32479	ERH 0	2-02-2004	ML	.xx	±.03	TITLE OUTLINE		9	SCALE	3=8	3
	7	ADDED OLD DASHES TO TABLE CN 32479	ERH 12	2-10-2003	ML	.xxx	±.005	180T FR TEFC - C'FACE		F	REF		
	6	REVISED PER CN 32479	ERH 12	2-01-2003	ML	.xxxx	±.0005	MAT'L.		F	MF	MU48-	144
Ī	NO.	REVISION	BY 4	& DATE	СНК	ANG	±7'30"	FINISH		F	PREV		
Ī		THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE			RFP			CAD FILE ss601010In		AWING NO.			REV.
		IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT			DIST	LB			В	SS60	1010	DLN	10





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

CONN. DIAGRAM: A-EE7308-LN

OUTLINE: B-SS601010LN-820 CATLOG # : LM16745

WINDING #: 1842116 FL 6 MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC, RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5&5	3.70&3.70	3600	3505&2890	184TC	TEFC	J	В

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	амв°с
3	60/50	230/460&380-415	11.8/5.9&7-6.8	ACROSS THE LINE	CONTINUOUS	F3	1.25/1.0	40

FULL LOAD EFF:	89.5&87.5	3/4 LOAD EFF:	89	1/2 LOAD EFF:	88.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	89&90	3/4 LOAD PF:	85.5	1/2 LOAD PF:	77.5	87.5	SQ CAGE IND RUN

F.L.	F.L. TORQUE LOCKED ROTOR AMPS		L.R. TORQUE			B.D. TORQUE			F.L. RISE°C
7.5	LB-FT	81 / 40.5	11.5	LB-FT	153 %	22.5	LB-FT	300 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	0.28 LB-FT^2	5 LB-FT^2	15 SEC.	2	80 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (ENAMEL)

BEAR	INGS	GREASE	SHAFT TYPE	PE SPECIAL DE SPECIAL ODE		SHAFT	FRAME
DE	ODE	GREASE	SHAFITTE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL	DOLVDEY EM	_	NONE	NONE	1144 CTRECCRROOF (C 222)	ALLINATNILINA
207	205	POLYREX EM	I	NONE	NONE	1144 STRESSPROOF (C-223)	ALUMINUM

	THERMO-PROTECTORS					CDACE HEATEDS	
THERMOSTATS	PROTECTORS	PROTECTORS WDG RTDs BRG RTDs		THERMISTORS	CONTROL	SPACE HEATERS	
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS	

*	INVERTER TORQUE: NONE 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 V NONE Hz

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