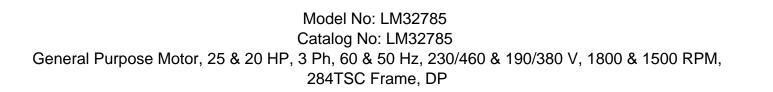
PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: LM32785, Catalog No:LM32785 General Purpose Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 284TSC Frame, DP

LEESON

Nameplate Specifications

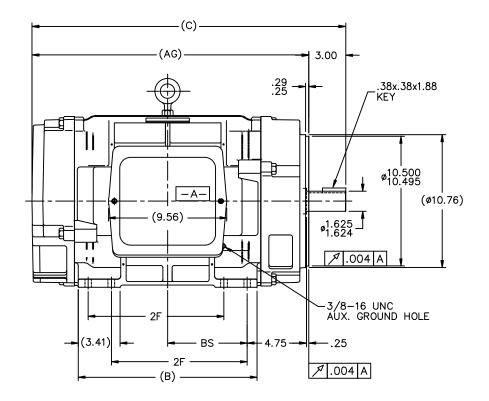
Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190/380 V
Speed	1775 & 1475 rpm	Service Factor	1.25 & 1.0
Frame	284TSC	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	93.6 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	62/31 & 60/30 A	Power Factor	81.5
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	311	Opp Drive End Bearing Size	210
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

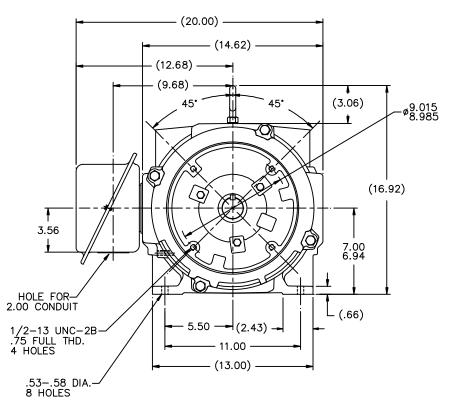
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.279 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	23.57 in
Frame Length	13.25 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS207877LN-1325	Connection Drawing	A-EE7358-LN

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SS207877LN





NOTES:

DASH FRAME

284TSC

286TSC

1325

1512

1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.

В

12.63

14.50

- 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
- 3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

С

23.57

25.44

2F

9.50

11.00

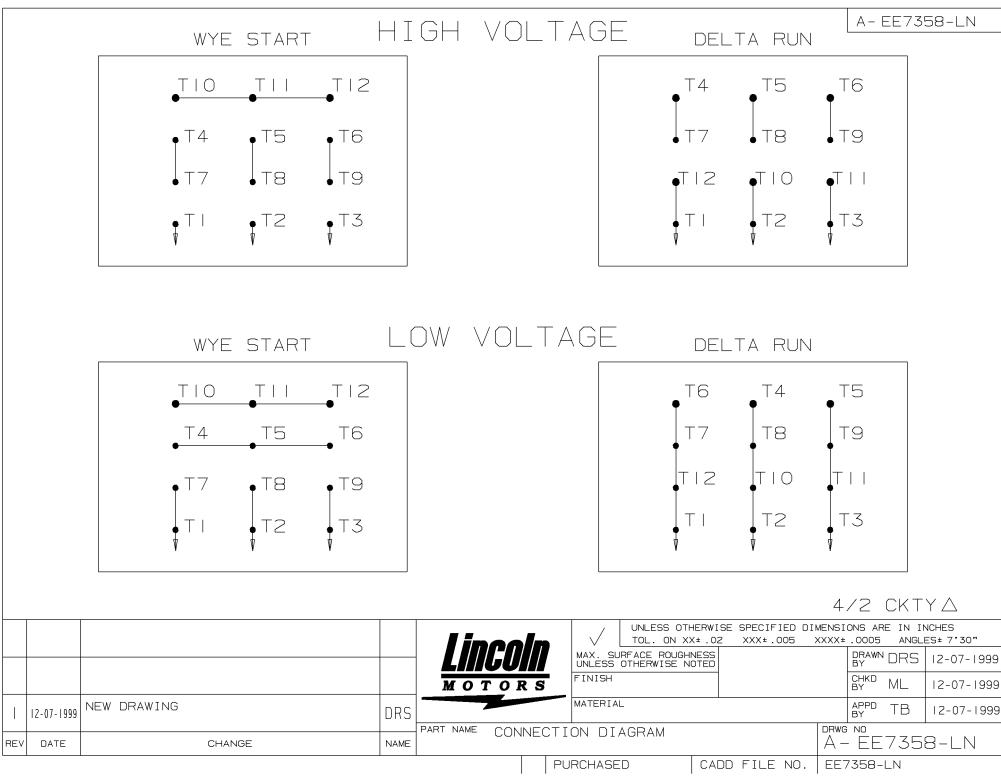
ΒS

5.50

6.44

		22.44		IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				LB	B SS2	0787	'7LN 3
		20.07		THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT		RFP			CAD FILE ss207877in SIZE DRAWING NO). PA(3E 1 OF 1 RE\
		20.57	NO.	REVISION	BY & DATE	СНК	ANG	±7'30"	FINISH	PREV	
	MTG	AG	1	CHANGE D.E. BKT. FROM 12.5 TO 10.5 MU49925	RWR 03-10-2004	BW	.xxxx	±.0005	MAT'L.	FMF	
٦	MTC	10	2	REVISED 'BA' DIMENSION TO BE 4.75 MU49925	MSG 1/5/2010	MJS	.xxx	±.005	280TSC FRTS -DR.PR CAST IRON	ref	
			3	2.00 CONDUIT WAS 1.50 ECN #25435	WGJ 08-16-2012	EMH	.xx	±.02	UTLINE	SCALE	1=5
							×.	±.1	NOTORS	APPD	BW 03/05/2004
							DEC.	INCHES		CHK ML 03/05/200	
,,	< SIDE						TOL UNLES	ERANCES S SPECIFIED	<u>Lineoin</u>	DRAWN	RWR 03/03/200

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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7358-LN

OUTLINE: B-SS207877LN-1325

WINDING #: K2844163 1

CATALOG #: LM32785

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA HP kW SYNC. RPM F.L. RPM FRAME ENCLOSURE KVA CODE DES									
25&20	18.7&14.9	1800	1775&1475	284TSC	DP	G	В		

РН	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	АМВ°С
3	60/50	230/460&190/380	62/31&60/30	WYE START DELTA RUN	CONTINUOUS	F3	1.25/1.0	40

FULL LOAD EFF:	93.6&93	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	93	GTD, EFF	ELEC. TYPE
FULL LOAD PF:	81.5&81	3/4 LOAD PF:	76.5	1/2 LOAD PF:	66	92.4	SQ CAGE IND RUN

F.L. TORQUE LOCKED ROTOR AMP		L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
74 LB-FT	346 / 173	127 LB-FT 172 %	180 LB-FT 243 %	40	

	SOUND PRESSURE @ 3 FT.		SOUND POWER		ROTOR WK^2		MAX. WK^2		SAFE STALL TIME		APPROX. MOTOR WGT	
72	dBA	82	dBA	4.2	LB-FT^2	150	LB-FT^2	20	SEC.	2	415	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 - LINCOLN

BEAR	INGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL		TS	NONE	NONE			
311	311 210 POLYREX EM		15	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	

	THERMO-PROTE	CTORS		TUERMICTORC	CONTROL	SPACE HEATERS		
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	- THERMISTORS	CONTROL	SPACE	IEATERS	
NONE	NOT	NONE	NONE	NONE	NONE	VOLTS		
*				INVERTER TORQUE: INV. HP SPEED RAN				
Ν				ENCODER: NONE				
0				NONE NONE NONE	PPR			
т				BRAKE: NONE	NONE			
E				NONE P/N NO NONE NONE FT-LB V I				
S					NONE HZ			

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