

PRODUCT INFORMATION PACKET



Model No: LM32809
Catalog No: LM32809
OBSOLETE REPLACED BY 140451.00



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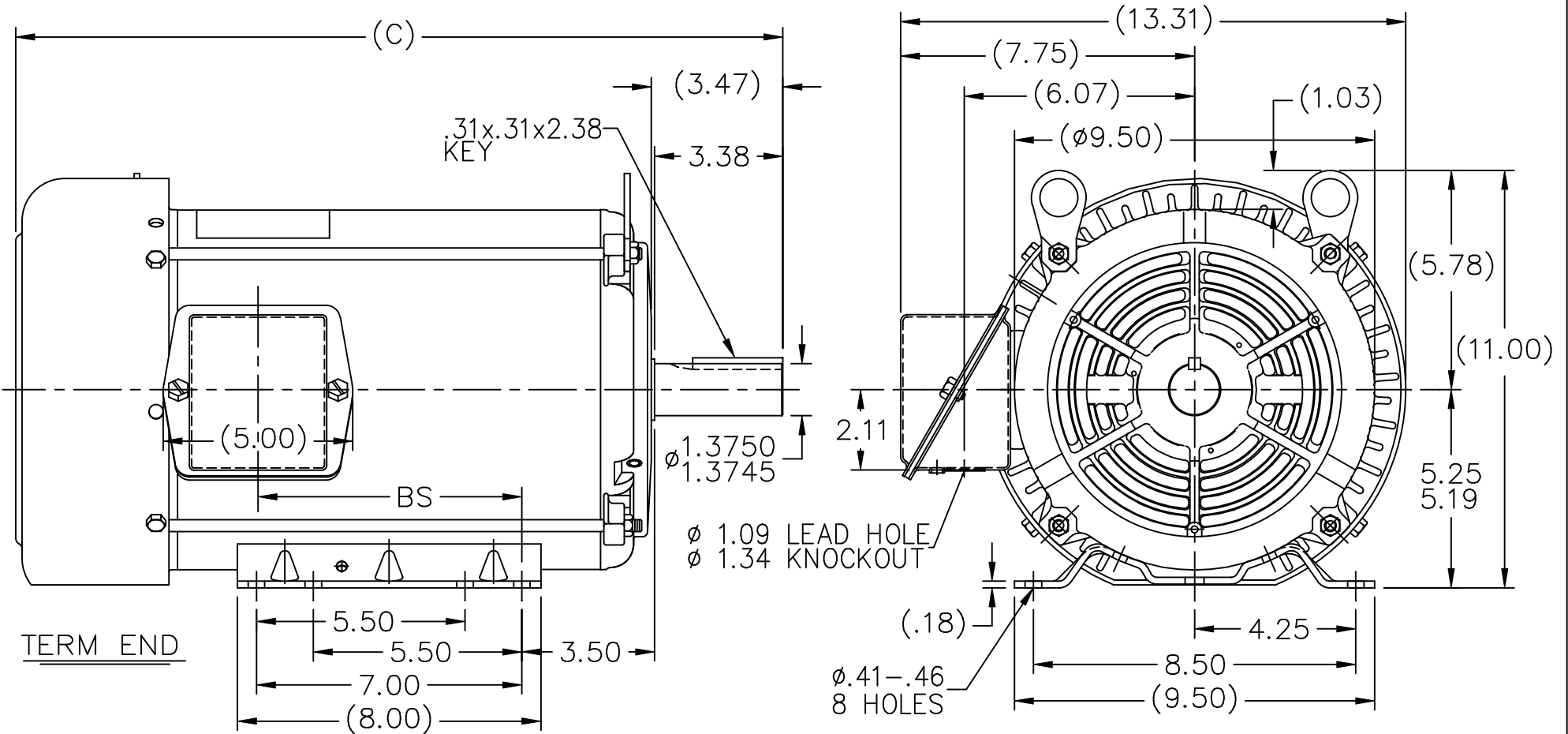
Nameplate Specifications

Phase	3	Output HP	10 & 10 Hp
Output KW	7.5 & 7.5 KW	Voltage	230/460 & 190/380 V
Speed	1760 & 1445 rpm	Service Factor	1.25 & 1.0
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 88.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	26/13 & 31/15.5 A	Power Factor	78.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	307	Opp Drive End Bearing Size	206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.839 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	A-SS86560LN-1240	Connection Drawing	A-EE7358-LN

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TERM END

NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)

DASH	FR.	C	BS	MOUNTING
965	213/15T	18.73	5.43	
1115	213/15T	20.23	6.93	
1240	213/15T	21.48	8.18	F1 ONLY

TOLERANCES UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.03

.XXX ±.005

.XXXX ±.0005

NO. REVISION BY & DATE ANG ±7'30"



DRAWN TJB 12-20-1999

CHK ML 12-20-1999

APPD GK 12-20-1999

SCALE 1=4

REF

FMF

PREV

2 RE-ISSUED: REDRAWN AND REVISED DASH 965 ERH 12-04-2003

1 NEW DRAWING TJB 12-21-1999

NO. REVISION BY & DATE

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RFP

DIST LB

TITLE OUTLINE
210T FR. - BB - TS - TEFC - R/S

MAT'L.

FINISH

CAD FILE ss86560ln

SIZE

A

DRAWING NO. PAGE OF

SS86560LN

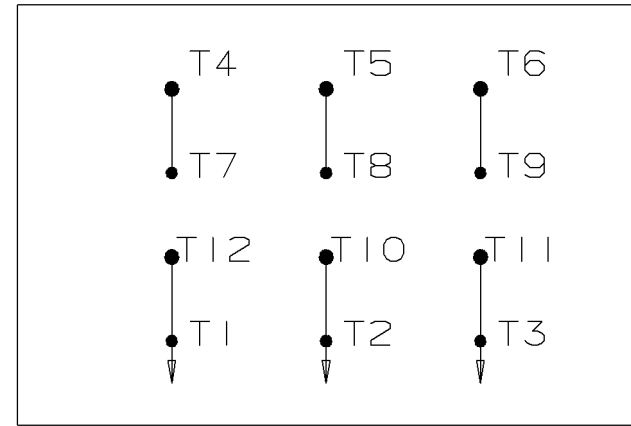
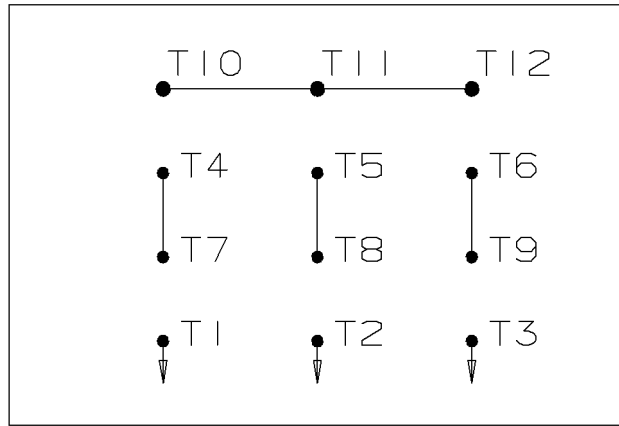
REV.

2

WYE START

HIGH VOLTAGE

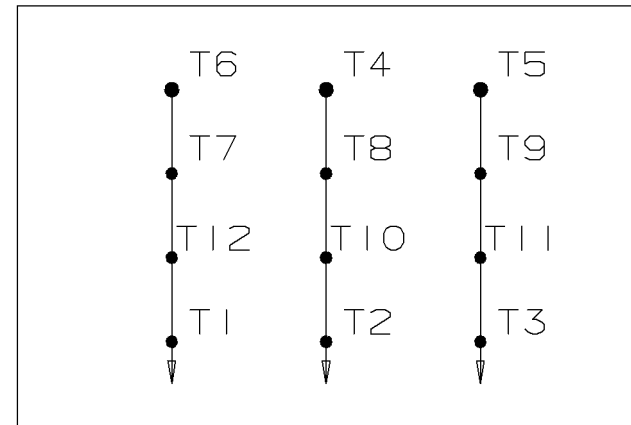
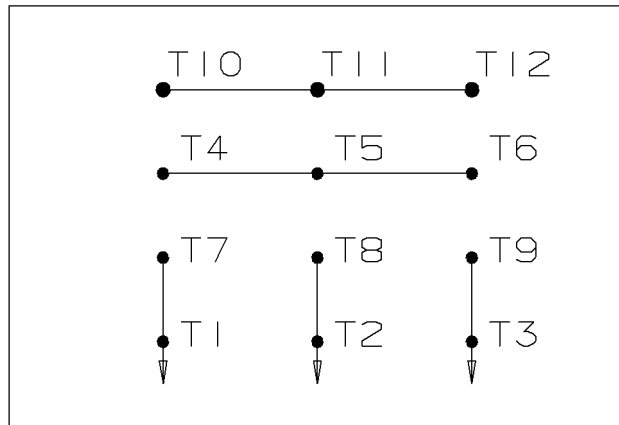
DELTA RUN



WYE START

LOW VOLTAGE

DELTA RUN



4/2 CKTY Δ

					✓ UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± .02 XXX± .005 XXXX± .0005 ANGLES± 7'30"			
						MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED	DRAWN BY DRS	12-07-1999
					FINISH	CHKD BY ML	12-07-1999	
					MATERIAL	APPD BY TB	12-07-1999	
REV	DATE	CHANGE	NAME	PART NAME CONNECTION DIAGRAM			DRWG NO A- EE7358-LN	
					PURCHASED	CADD FILE NO.	EE7358-LN	



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7358-LN

CATALOG : LM32809

OUTLINE: A-SS86560LN-1240

WINDING #: K2154485 3

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&10	7.50&7.50	1800	1760&1445	215T	TEFC	H	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	26/13&31/15.5	WYE START DELTA RUN	CONTINUOUS	F4	1.25/1.0	40

FULL LOAD EFF:	91.7&88.5	3/4 LOAD EFF:	91.7	1/2 LOAD EFF:	91.7	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	78.5&82	3/4 LOAD PF:	73	1/2 LOAD PF:	61.5	89.5		SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.8 LB-FT	165 / 82.5	73.5 LB-FT 247 %	88.7 LB-FT 298 %	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	1.1 LB-FT^2	0 LB-FT^2	25 SEC.	2	150 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	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
307	206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	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 FT-LB NONE V NONE Hz



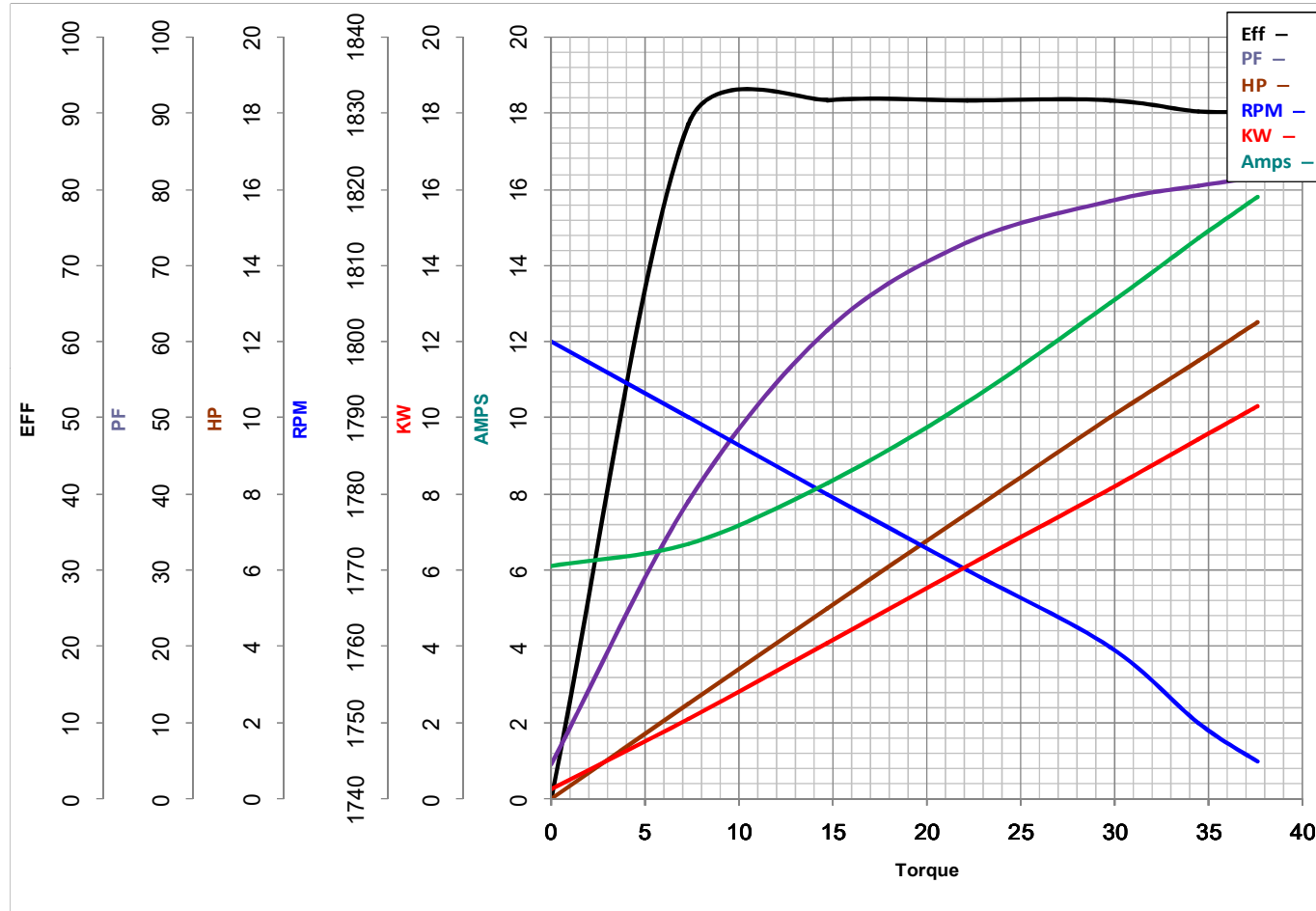
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No LM32809

Curve at 460 Volts HP 10&10 PHASE 3
60 HZ
10 HP VOLTS 230/460&190/380

Catalog No LM32809BA

HZ 60&50 RPM 1760&1445



Torque in Lb.Ft

FL TORQUE	<u>29.8</u>	Lb.Ft	FL AMPS	<u>26/13</u>	
BD TORQUE	<u>88.7</u>	Lb.Ft	PU TORQUE	<u>66.2</u>	Lb.Ft
LR TORQUE	<u>73.5</u>	Lb.Ft	LR AMPS	<u>82.5</u>	
WINDING	K2154485-3		Date	10/25/2018	