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# Customer information packet

## EL3509

1HP, 3450RPM, 1PH, 60HZ, 56/56H, 3520LC, TEFC

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	56H
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	208.0 V @ 60 HZ
	115.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	9.400 A @ 115.0 V
	5.000 A @ 208.0 V
	4.700 A @ 230.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	74.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

## Part detail

Revision	U
Type	AC
Mech. spec.	35J385
Base	
Status	PRD/A
Elec. spec.	35WGM131
Layout	35LYJ385
Eff. date	09-23-2022
CD Diagram	CD0055
Poles	02
Leads	4#16 A PH,2#18 B PH
Proprietary	False
Created date	11-07-2008

Heater Indicator	No Heater
High Voltage Full Load Amps	4.7 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 16 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3520LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.93 IN
Power Factor	94
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor

**Winding Thermal 1**

None

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**Winding Thermal 2**

None

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**Nameplate**

<b>NP2116L</b>									
<b>CAT.NO.</b>	EL3509								
<b>SPEC.</b>	35J385M131G1								
<b>HP</b>	1								
<b>VOLTS</b>	115/208-230								
<b>AMP</b>	9.4/5-4.7								
<b>RPM</b>	3450								
<b>FRAME</b>	56H			<b>HZ</b>	60		<b>PH</b>	1	
<b>SER.F.</b>	1.25	<b>CODE</b>	H	<b>DES</b>	N	<b>CL</b>	B		
<b>NEMA-NOM-EFF</b>	74	<b>PF</b>	94						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>				<b>USABLE AT 208V</b>					
<b>DE</b>	6205	<b>ODE</b>		6203					
<b>ENCL</b>	TEFC	<b>SN</b>							
	SFA 11.6/6.9-6.8								

## Parts list

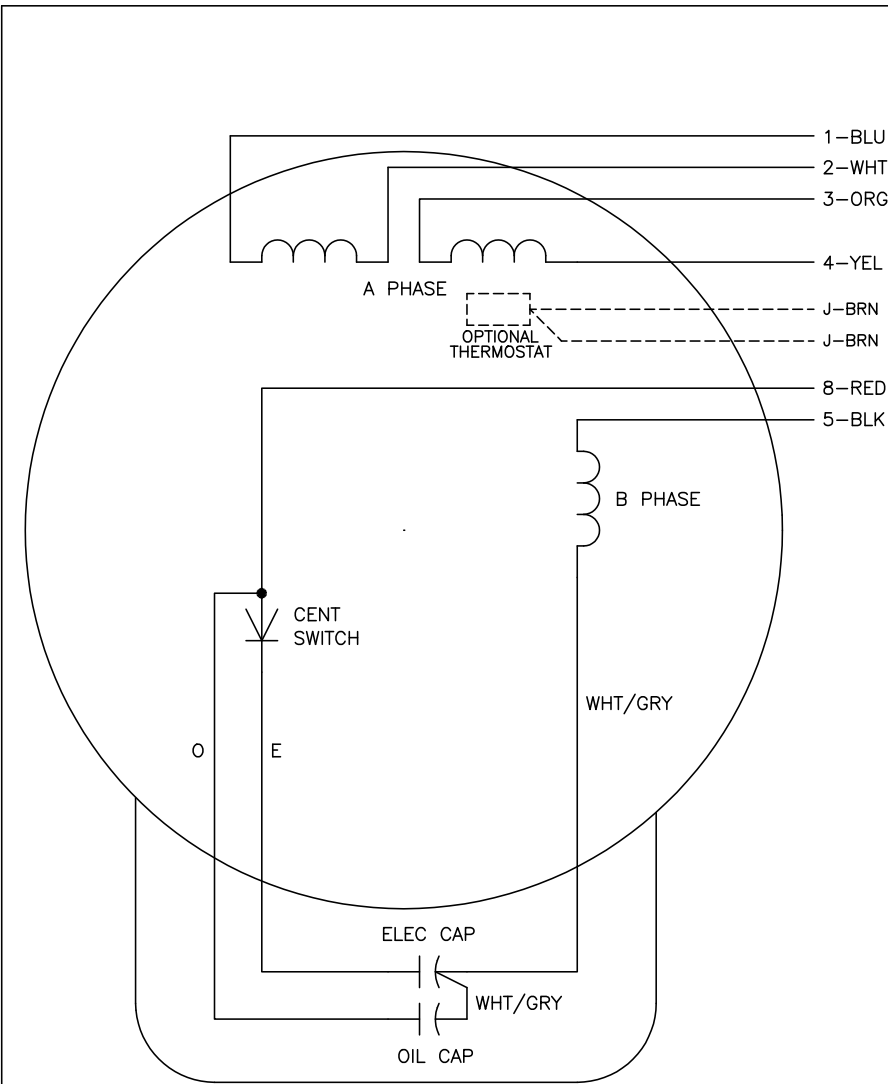
Part number	Description	Quantity
SA177174	SA 35J385M131G1	1.000 ea
RA165223	RA 35J385M131G1	1.000 ea
OC3035F09SP	CYL OIL CAP 35MFD/370V	1.000 ea
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 ea
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
35EP3122K00	MASTER ODE,203 BRG, .683SH, #26 DRN, FH MTG	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
35CB3801	CAPACITOR COVER, CAST	1.000 ea
34GS3002	GASKET, CAPACITOR BOX	1.000 ea
HA7010	CAPACITOR RETENTION CLAMP	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP3123A00	MASTER DE,205 BRG, .998SH, #26 DRN	1.000 ea
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
35FH4005A32SP	IEC FH NO GRSR W/3 HOLES - PRIMED	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
35CB4521GX	CONDUIT BOX LID KIT **ORDER INDIV PARTS	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 ea
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.017 ga

LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 ea
NP2116L	ALUM SUPER-E UL CSA CC	1.000 ea
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 ea
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A06	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea





CD0055



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	-
LOW OPP	1,3,5	2,4,8	-

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0055

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
C00000		FILE: AAA00007414	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE LC, DV, REV, 6 LEADS