



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 97188

Date: September 4,
2020

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Aims

Motor#:

Name Plate Information

Manufacturer:	Siemens	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	18.5
Serial#:	E0207/010840	Model#:	1LA9166-2BA91Z1 00	Service Factor:	
Frame:	160L	Rated RPM:	3560	Rated Voltage:	460
Phase:	3	Rated Amps:	57	Cycles:	60

Special design: No

AC Electrical Inspection

Megs after rewind: Good Surge after rewind: Good Hi-pot after rewind: Good

Core loss: Good Thermistors: None Thermostat: None

RTD: None ohms at degrees C

Motor Heater(s) Present: Yes Qty: Voltage: Wattage:

WEST TENNESSEE
7030 Ryburn Drive
Millington, TN 38053
Phone 901-873-5300
Fax 901-873-5301

CENTRAL ARKANSAS
6812 Lindsey Rd.
Little Rock, AR 72206
Phone 501-375-9178
Fax 501-375-4254



MILLINGTON, TN

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AC Electrical Inspection (Continued)

Core Test Data

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout				
After burnout	85.259	0.758	2.735	140

Conclusion

Service Tech name: RHR

Service Tech signature:

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Polyphase AC Winding

Polyphase Date: September 4, 2020

Hp/kw: 18.5 RPM: 3560

Poles: 2 Manufacturer: Siemens

Slots: 48 Type: NEMA MG-12 Volts: 460

Coils: 24 Model: 1LA9166-2BA91Z100 Amps: 57

6 Of 4
Grouping Of

Serial#: E0207/010840 Phase: 3

Lead marking: 1-12 Hertz: 60

Turns/Coil: 12 Lead length: 45 C Rise: Frame: 160L

Wire Size 19 20 Lead size: 12 Duty: C AMB:

Wire Mult. 4 3 Num.Leads: 12 Eff.: Ins.Cls.:

Pitch 1 to: 18202224 ☐ DP ☐ TEFC ☐ XPRF ☐ TENV S.F.:

Connection: 1&2cir

Jumper:

Core length: 8.875

Core ID: 5.562

Back iron: 1.0

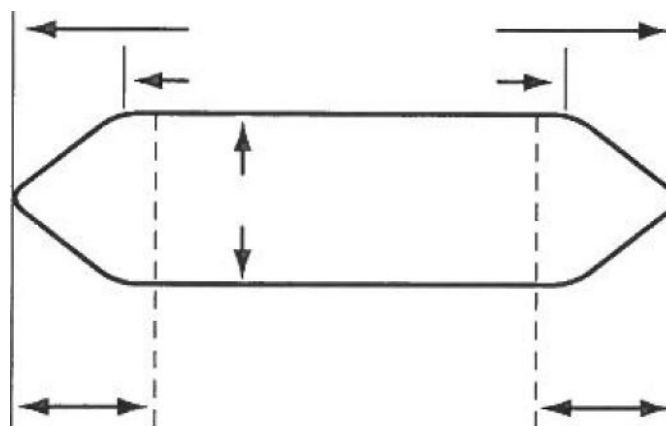
Slot depth: 0.562

Slot/tooth w: 0.187

Wire weight: 28

Vents: Size

COIL


Connection End
(Facing Terminal Box)

☒ Left

☐ Right



MILLINGTON, TN

LITTLE ROCK, AR

Single Phase

Split Phase ☐
Capacitor: ☐ Start ☐ Start & Run ☐ Perm. Split

Hp/kw: 18.5

RPM: 3560

Manufacturer: Siemens

Run

Start

Type:

Volts: 460

Model: 1LA9166-2BA91Z100

Amps: 57

Style:

Hertz:

Form:

Frame:

No. Slots

No. Poles

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: E0207/010840

Wires in par.

Duty: —

☐ BB☐ SB

No. Circuits

Open: —

Coil Ext.

Sta.length:

Sta.b.i.:

Stator Bore

Running ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Slot No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

Starting ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Customer: Aims

(Please return a copy to EASA Headquarters, 1331 Baur Blvd., St. Louis, MO 63132)

WEST TENNESSEE

7030 Ryburn Drive
Millington, TN 38053
Phone 901-873-5300
Fax 901-873-5301

CENTRAL ARKANSAS

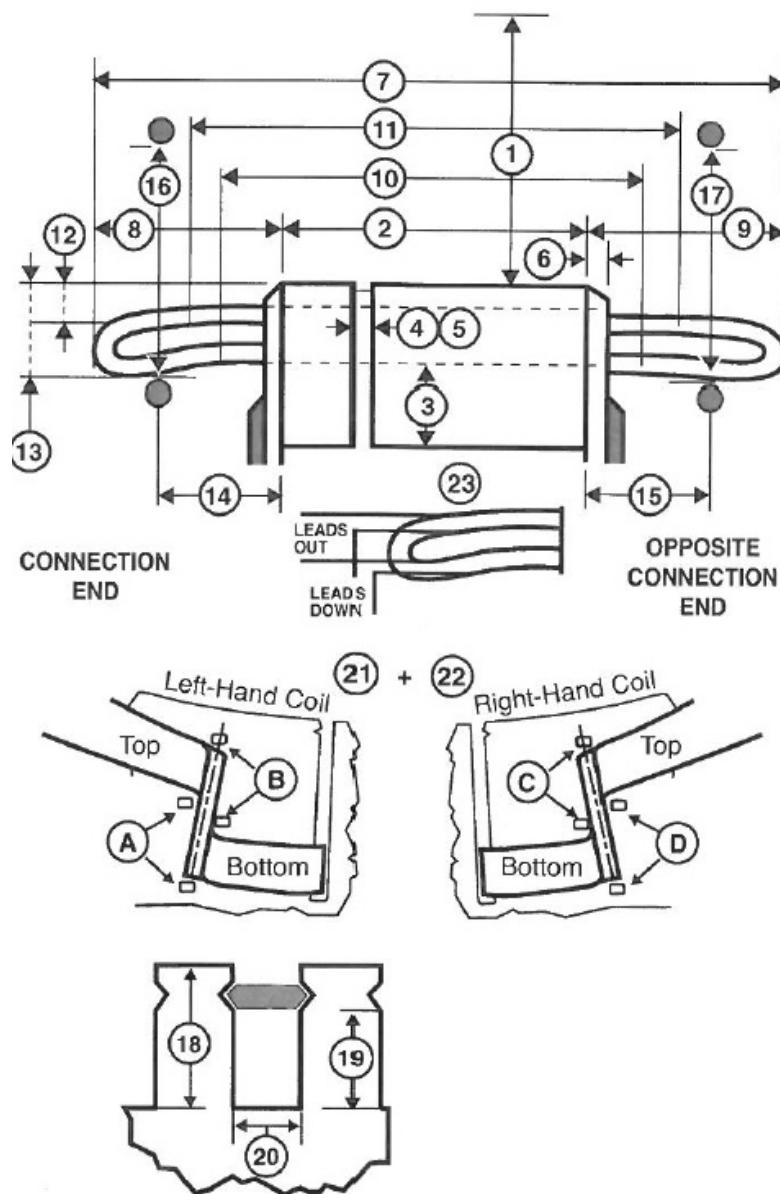
6812 Lindsey Rd.
Little Rock, AR 72206
Phone 501-375-9178
Fax 501-375-4254

AC Stator Form Coil Data

1. Core bore diameter
2. Total core length
3. Back iron
4. No. of vents
5. Width of vents
6. Finger plate width
7. Overall coil length
8. Connection end extension
9. Opposite Conn. End Ext.
10. Straight length bottom side
11. Straight length top side
12. Small knuckle drop. CE
13. Large knuckle drop. CE
14. Conn. Support Ring from core
15. Opp. Conn. Supp. Ring from core
16. Connection support ring ID
17. Opp. Conn. Supp. Ring ID
18. Total slot depth
19. Slot depth under wedge
20. Slot width

OCE

OCE



AC Stator Form Coil Data (Continued)

21. Lead location ☐ A ☐ B ☐ C ☐ D

22. Coil type ☐ Left hand ☐ Right hand

23. Coil leads Long# LG

Short# LG

☐ Out ☐ Down

24. Jumper —

25. Connection —

26. No. of circuits

27. No. of slots

28. Coil throw 1-

29. Turns per coil

30. Total wires in parallel

31. Bare wire sizes () x

() x

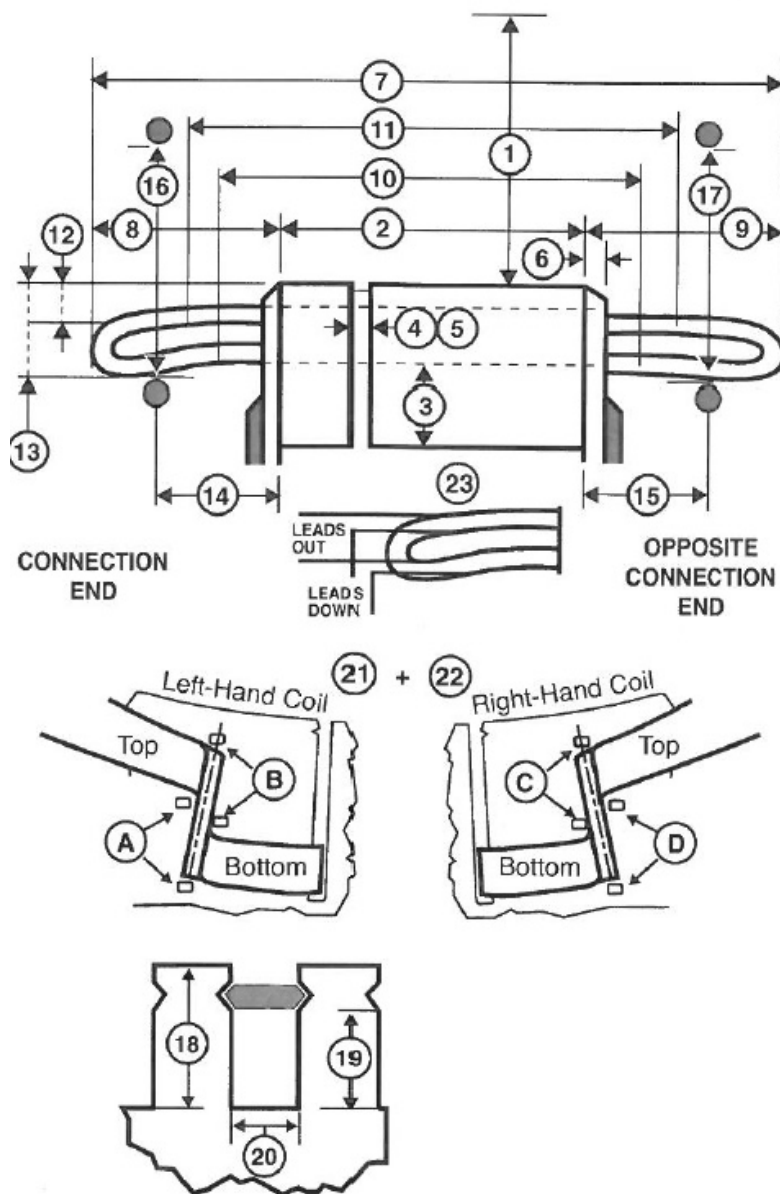
32. Strand insulation

☐ Film ☐ Glass ☐ Mica ☐ Bare ☐ Other

33. Coil weight Lbs.

34. Groups of Coils

Groups of Coils

35. Iron skewed ☐ Right ☐ Left in


AC Stator Form Coil Data (Continued)

Special Features	Yes	No
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Data change	☐	☐
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Coil support ring steel	☐	☐
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Terrace wound	☐	☐
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Corona Protection	☐	☐
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RTDs	☐	☐
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Ohms Qty		
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Hermetic	☐	☐
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Slot paper used	☐	☐
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Insulation class	☐ B	☐ F	☐ H
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☐ VPI	☐ Dip & Bake	☐ Sealed
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☐ Leads taped	☐ Leads sleeved
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Comments

