



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 96272

Date: January 2, 2020

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: AIMS

Motor#:

## Name Plate Information

Manufacturer:	ABB	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	75KW
Serial#:	3G1P171500288	Model#:	31558741	Service Factor:	
Frame:	250	Rated RPM:	3600	Rated Voltage:	460
Phase:	3	Rated Amps:	111	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  
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Fax 501-375-4254



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## AC Electrical Inspection (Continued)

### Core Test Data

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout	85.515	0.610	2.496	269
After burnout	84.723	0.623	2.078	202

## Conclusion

Service Tech name: RHR

Service Tech signature:

 1-1 

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# Polyphase AC Winding

Polyphase Date:

Hp/kw: 75KW RPM: 3600 Poles: Manufacturer: ABB

Slots: 48 Type: Volts: 460

Coils: 24 Model: 31558741 Amps: 111

Serial#: 3G1P171500288 Phase: 3

Lead marking: Hertz:

6 Of 8  
Grouping  
Of

Turns/Coil: 56565656 Lead length: C Rise: Frame:

Wire Size 14 17 18 Lead size: Duty: C AMB:

Wire Mult. 10 4 Num.Leads: Eff.: Ins.Cls.:

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

Connection: 2Y 2D

Jumper:

Core length: 11.375

Core ID: 9.25

Back iron: 2.0

Slot depth: 1.125

Slot/tooth w: 0.325

Wire weight: 104

Vents: Size

COIL



☒ Left

Connection End  
(Facing Terminal Box)

☐ Right

Rotor bars:



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**Single Phase**{ Split Phase ☐  
Capacitor: ☐ Start☐ Start & Run☐ Perm. Split

Hp/kw: 75KW

RPM: 3600

Manufacturer: ABB

Run

Start

Type:

Volts: 460

Model: 31558741

Amps: 111

Style:

Hertz:

Form:

Frame:

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: 3G1P171500288

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)

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## 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

Data change      ☐      ☐

Coil support ring steel      ☐      ☐

Terrace wound      ☐      ☐

Corona Protection      ☐      ☐

RTDs      ☐      ☐

Ohms      Qty

Hermetic      ☐      ☐

Slot paper used      ☐      ☐

Insulation class      ☐ B      ☐ F      ☐ H

☐ VPI      ☐ Dip & Bake      ☐ Sealed

☐ Leads taped      ☐ Leads sleeved

Comments

