



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 97220

Date: September 4,  
2020

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: AIMS

Motor#: 97220

## Name Plate Information

Manufacturer: JM Stainless Steel

Enclosure : Open Drop Proof  
(ODP)

Horsepower/kW: 20

Serial#: 2020-8-97220

Model#:

Service Factor:

Frame:

Rated RPM: 1800

Rated Voltage:

Phase: 3

Rated Amps:

Cycles:

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  
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## AC Electrical Inspection (Continued)

### Core Test Data

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout				
After burnout	10.852	0.562	0.078	49

## Conclusion

Service Tech name: Joshua starks

Service Tech signature:

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# Polyphase AC Winding

Polyphase Date: September 4, 2020

Hp/kw: 20 RPM: 1800 Poles: 4 Manufacturer: JM Stainless Steel

Slots: 48 Type: Volts:

Coils: 48 Model: Amps:

12 Of 4

Serial#: 2020-8-97220

Phase: 3

Grouping

Of

Lead marking:

Hertz: 60

Turns/Coil: 13 Lead length: C Rise: Frame:

Wire Size 20 Lead size: Duty: C AMB:

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

Pitch 1 to: 13 ☐ DP ☐ TEFC ☐ XPRF ☐ TENV S.F.:

Connection: 2Y

Jumper:

Core length: 7.062

Core ID: 5.25

Back iron: 0.562

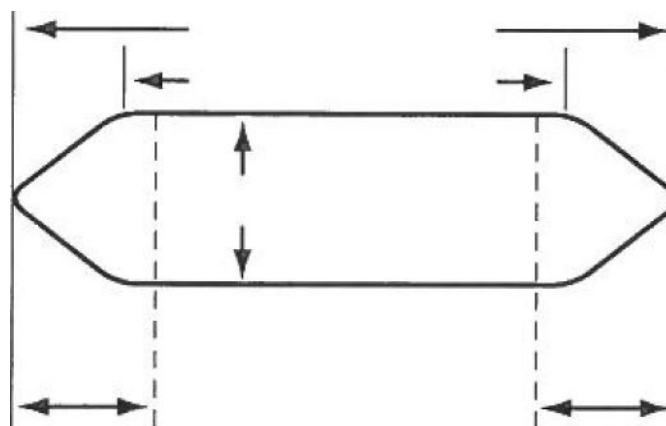
Slot depth: 0.812

Slot/tooth w: 0.225

Wire weight: 15

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: 20

RPM: 1800

Manufacturer: JM Stainless Steel

	Run	Start	Type:	Volts:	
No. Slots			Model:	Amps:	
No. Poles			Style:	Hertz:	
Coils/pole			Form:	Frame:	
Dwg No.			C Rise:	Hrs.:	Cap. Mfd.:
Wire Size			Serial#:	2020-8-97220	
Wires in par.			Duty: —	<input type="checkbox"/> BB <input type="checkbox"/> 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

