



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 94458

Date: August 30, 2018

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: Hardwick Group

Motor#:

## Name Plate Information

Manufacturer: Bald or

Enclosure : Open Drop Proof  
(ODP)

Horsepower/kW: 75

Serial#: C1001220423

Model#: BY796180

Service Factor: 1.00

Frame: 365T

Rated RPM: 1780

Rated Voltage: 230/460

Phase: 3

Rated Amps: 170/85

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



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## AC Electrical Inspection (Continued)

### Core Test Data

|                | Flux | Watts | Watts loss per lb | Condition of iron |
|----------------|------|-------|-------------------|-------------------|
| Before burnout |      |       |                   |                   |
| After burnout  |      |       |                   |                   |

## Conclusion

Service Tech name: RHR

Service Tech signature:

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# Polyphase AC Winding

Polyphase Date: August 30, 2018

Hp/kw: 75 RPM: 1780 Poles: 4 Manufacturer: Bald or

Slots: 48 Type: CATM7068T Volts: 230/460

Coils: 48 Model: BY796180 Amps: 170/85

12 Of 4  
Grouping Of

Serial#: C1001220423 Phase: 3

Lead marking: 1-9 Hertz: 60

Turns/Coil: 6767 Lead length: 1 C Rise: Frame: 365T

Wire Size 15 16 Lead size: 6 Duty: CONT C AMB:

Wire Mult. 6 4 Num.Leads: 9 Eff.: Ins.Cls.:

Pitch 1 to: 12 ☐ DP ☐ TEFC ☐ XPRF ☐ TENV S.F.: 1.00

Connection: 2&amp;4Y

Jumper:

Core length: 9.375

Core ID: 9.50

Back iron: 1.25

Slot depth: 1.5

Slot/tooth w: 0.290

Wire weight: 108

Vents: Size

COIL


Connection End  
(Facing Terminal Box)

☒ Left

☐ Right

Rotor bars:



MILLINGTON, TN

LITTLE ROCK, AR

**Single Phase**

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

Hp/kw: 75

RPM: 1780

Manufacturer: Bald or

Run

Start

Type:

Volts: 230/460

Model: BY796180

Amps: 170/85

Style:

Hertz:

Form:

Frame:

No. Slots

No. Poles

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: C1001220423

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: Hardwick Group

(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




