



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 141258

Date: February 25,  
2020

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: MBCI

Motor#:

## Name Plate Information

Manufacturer: Demagogue

Enclosure : Totally Enclosed  
Fan Cooled

Horsepower/kW: .30/1.30

Serial#: 71806202

Model#:

Service Factor:

Frame: 90A

Rated RPM: 740/3120

Rated Voltage: 460/460

Phase: 3

Rated Amps: 1.5/2.5

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: In use

Thermostat: None

RTD: None

ohms at

degrees C

Motor Heater(s) Present: No

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

LITTLE ROCK, AR

## AC Electrical Inspection (Continued)

### Core Test Data

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

## Conclusion

Service Tech name: Kelly Felts

Service Tech signature:

#### 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

LITTLE ROCK, AR

## Polyphase AC Winding

Polyphase Date: February 10, 2020

Hp/kw: .30/1.30 RPM: 740/3120 Poles: 82 Manufacturer: Demagogue

Slots: 24 Type: Volts: 460/460

Coils: 24 Model: Amps: 1.5/2.5

6 Of 4

Grouping

12 Of 1

Serial#: 71806202

Phase: 3

Lead marking: H.S. 11,12,13 L.S. 1,2,3 P1,P2 Hertz: 60

Turns/Coil: 44 Lead length: 12 C Rise: Frame: 90A

Wire Size 22 26.5 Lead size: 18 Duty: C AMB:

Wire Mult. 1 1 Num.Leads: 8 Eff.: Ins.Cls.:

Pitch 1 to: 11 ☐ DP ☒ TEFC ☐ XPRF ☐ TENV S.F.:

Connection: 1Y

Jumper:

Core length: 2.937

Core ID: 2.968

Back iron: 0.63

Slot depth: 0.843

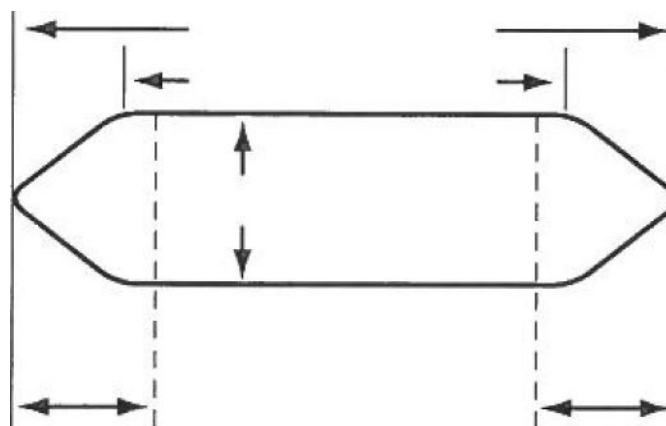
Slot/tooth w: 0.2

Wire weight:

Vents: Size

Rotor bars:

COIL

☐ LeftConnection End  
(Facing Terminal Box)☐ Right**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

LITTLE ROCK, AR

**Single Phase**

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

Hp/kw: .30/1.30

RPM: 740/3120

Manufacturer: Demagogue

Run

Start

Type:

Volts: 460/460

Model:

Amps: 1.5/2.5

Style:

Hertz:

Form:

Frame:

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: 71806202

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: MBCI

(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

Data change ☐ Yes ☐ No

Coil support ring steel ☐ Yes ☐ No

Terrace wound ☐ Yes ☐ No

Corona Protection ☐ Yes ☐ No

RTDs ☐ Yes ☐ No

Ohms Qty

Hermetic ☐ Yes ☐ No

Slot paper used ☐ Yes ☐ No

Insulation class ☐ B ☐ F ☐ H

☐ VPI ☒ Dip & Bake ☐ Sealed

☐ Leads taped ☐ Leads sleeved

### Comments

High Speed winding data

6 groups of 4

44 T/C

1#22 Wire

1 &amp; 11 Span

1Y Connection

12" SAB Leads #11,12,13

Used 9.0 Lbs. 1#22

Low Speed winding data

12 Groups of 1

206 T/C

1#26.5 Wire

