



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 140970

Date: November 5,
2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Mainline

Motor#: 140970

Name Plate Information

Manufacturer: Stahl

Enclosure : Totally Enclosed
Fan Cooled

Horsepower/kW: 3.8kw

Serial#:

Model#: Cone

Service Factor:

Frame:

Rated RPM: 3600

Rated Voltage: 480

Phase: 3

Rated Amps: 7.3

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: 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	81.05	1	0.93	3

Conclusion

Service Tech name: Shawn

Service Tech signature:

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MILLINGTON, TN

LITTLE ROCK, AR

Polyphase AC Winding

Polyphase Date:

Hp/kw: 3.8kw RPM: 3600 Poles: 2 Manufacturer: Stahl

Slots: 36 Type: Volts: 480

Coils: 36 Model: Cone Amps: 7.3

Serial#: Phase: 3

Lead marking: 123 Hertz: 60

6 Of 6
Grouping
Of

Turns/Coil: 14

Lead length: 40 C Rise: Frame:

Wire Size 20

Lead size: 16 Duty: C AMB:

Wire Mult. 2

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

Pitch 1 to: 14

☐ DP ☒ TEFC ☐ XPRF ☐ TENV S.F.:

Connection: 1Y

Jumper:

Core length: 3.750

Core ID: 3.125

Back iron: 0.312

Slot depth: 1.031

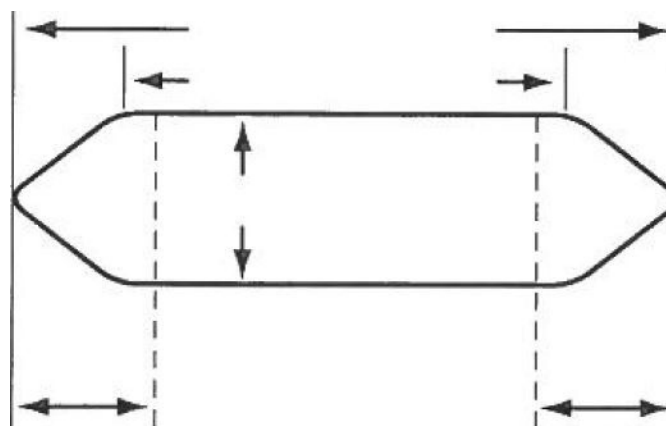
Slot/tooth w: 0.187

Wire weight: 7

Vents: Size

Rotor bars:

COIL

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

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MILLINGTON, TN

LITTLE ROCK, AR

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

Hp/kw: 3.8kw

RPM: 3600

Manufacturer: Stahl

Run

Start

Type:

Volts: 480

Model: Cone

Amps: 7.3

Style:

Hertz:

Form:

Frame:

No. Slots

No. Poles

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#:

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: Mainline

(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
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Data change	<input type="checkbox"/>	<input type="checkbox"/>
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Coil support ring steel	<input type="checkbox"/>	<input type="checkbox"/>
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Terrace wound	<input type="checkbox"/>	<input type="checkbox"/>
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Corona Protection	<input type="checkbox"/>	<input type="checkbox"/>
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RTDs	<input type="checkbox"/>	<input type="checkbox"/>
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Ohms Qty		
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Hermetic	<input type="checkbox"/>	<input type="checkbox"/>
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Slot paper used	<input type="checkbox"/>	<input type="checkbox"/>
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Insulation class	<input type="checkbox"/> B	<input type="checkbox"/> F	<input type="checkbox"/> H
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<input type="checkbox"/> VPI	<input type="checkbox"/> Dip & Bake	<input type="checkbox"/> Sealed
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<input type="checkbox"/> Leads taped	<input type="checkbox"/> Leads sleeved
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Comments

1 overload
Forms 34 and 35 @7.0

