



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 94121

Date: May 11, 2018

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: American Railcar

Motor#:

## Name Plate Information

Manufacturer:	Bald or	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	40
Serial#:	C1412120067	Model#:	12E635X923H2	Service Factor:	1.15
Frame:	324TDZ	Rated RPM:	3600	Rated Voltage:	230/460
Phase:	3	Rated Amps:	90/45	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  
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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: May 11, 2018

Hp/kw: 40

RPM: 3600

Poles:

2 Manufacturer: Bald or

Slots: 36

Type:

Volts: 230/460

Coils: 36

Model: 12E635X923H2

Amps: 90/45

6 Of 6

Serial#: C1412120067

Phase: 3

Grouping

Of

Lead marking:

Hertz: 60

Turns/Coil: 9

Lead length: 9 C Rise: Frame: 324TDZ

Wire Size 16 17

Lead size: 8 Duty: C AMB:

Wire Mult. 5 2

Num.Leads: 9 Eff.: Ins.Cls.: F

Pitch 1 to: 15

☐ DP ☐ TEFC ☐ XPRF ☐ TENV S.F.: 1.15

Connection: 1&amp;2D

Jumper:

Core length: 5.0

Core ID: 7.625

Back iron: 1.75

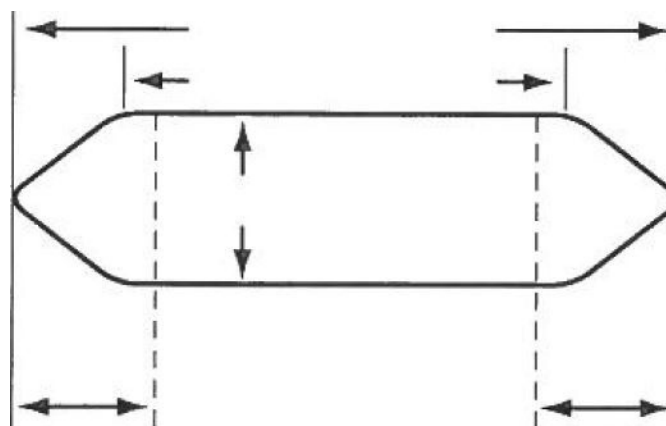
Slot depth: 1.125

Slot/tooth w: 0.284

Wire weight: 66

Vents: Size

COIL


☒ Left

Connection End  
(Facing Terminal Box)

☐ Right

Rotor bars:



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LITTLE ROCK, AR

**Single Phase**

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

Hp/kw: 40

RPM: 3600

Manufacturer: Bald or

Run

Start

Type:

Volts: 230/460

Model: 12E635X923H2

Amps: 90/45

Style:

Hertz:

Form:

Frame:

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: C1412120067

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: American Railcar

(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

