



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 97182

Date: August 19, 2020

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Powers

Motor#:

Name Plate Information

Manufacturer: Reliance

Enclosure : Open Drop Proof (ODP)

Horsepower/kW: 60

Serial#: P36g6009b

Model#: 2020-97182

Service Factor:

Frame: 364tgz

Rated RPM: 1775

Rated Voltage: 460

Phase: 3

Rated Amps: 74

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



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	85.335	0.760	2.460	223

Conclusion

Service Tech name: RHR

Service Tech signature:

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MILLINGTON, TN

LITTLE ROCK, AR

Polyphase AC Winding

Polyphase Date: August 19, 2020

Hp/kw: 60

RPM: 1775

Poles:

4 Manufacturer: Reliance

Slots: 48

Type:

Volts: 460

Coils: 48

Model: 2020-97182

Amps: 74

12 Of 4
Grouping

Serial#: P36g6009b

Phase: 3

Of

Lead marking:

Hertz: 60

Turns/Coil: 16

Lead length: 2 C Rise: Frame: 364tgz

Wire Size 17 18

Lead size: 6 Duty: C AMB:

Wire Mult. 3 1

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

Pitch 1 to: 12

☐ DP ☐ TEFC ☐ XPRF ☐ TENV S.F.:

Connection: 2D

Jumper:

Core length: 5.25

Core ID: 9.875

Back iron: 1.375

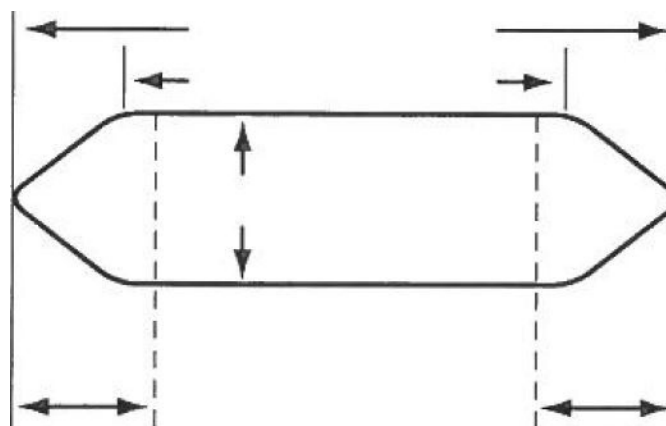
Slot depth: 1.25

Slot/tooth w: 0.323

Wire weight: 60

Vents: Size

COIL

☒ LeftConnection End
(Facing Terminal Box)☐ Right

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MILLINGTON, TN

LITTLE ROCK, AR

Single Phase

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

Hp/kw: 60

RPM: 1775

Manufacturer: Reliance

	Run	Start	Type:	Volts:	460	
No. Slots			Model:	2020-97182	Amps:	74
No. Poles			Style:		Hertz:	
Coils/pole			Form:		Frame:	
Dwg No.			C Rise:	Hrs.:	Cap. Mfd.:	
Wire Size			Serial#:	P36g6009b		
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: Powers

(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

