



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 95390

Date: May 29, 2019

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: Search Waste Water

Motor#:

## Name Plate Information

Manufacturer:	Reliance	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	40
Serial#:	6835071-1	Model#:	P3(6G5050A	Service Factor:	1.15
Frame:	364LPZ	Rated RPM:	1180	Rated Voltage:	460
Phase:	3	Rated Amps:	49.9	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	85.417	0.588	1.649	231
After burnout	85.555	0.473	1.005	174

## Conclusion

Service Tech name: RHR

Service Tech signature:

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# Polyphase AC Winding

Polyphase Date: May 29, 2019

Hp/kw: 40

RPM: 1180

Poles:

6 Manufacturer: Reliance

Slots: 72

Type:

P Volts: 460

Coils: 72

Model: P3(6G5050A

Amps: 49.9

18 Of 4

Grouping

Of

Serial#: 6835071-1

Phase: 3

Lead marking:

Hertz: 60

Turns/Coil: 8

Lead length: 16 C Rise: Frame: 364LPZ

Wire Size 17 18

Lead size: 6 Duty: C AMB:

Wire Mult. 4 4

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

Pitch 1 to: 11

☐ DP ☐ TEFC ☐ XPRF ☐ TENV S.F.: 1.15

Connection: 1D

Jumper:

Core length: 6.0

Core ID: 10.75

Back iron: 0.875

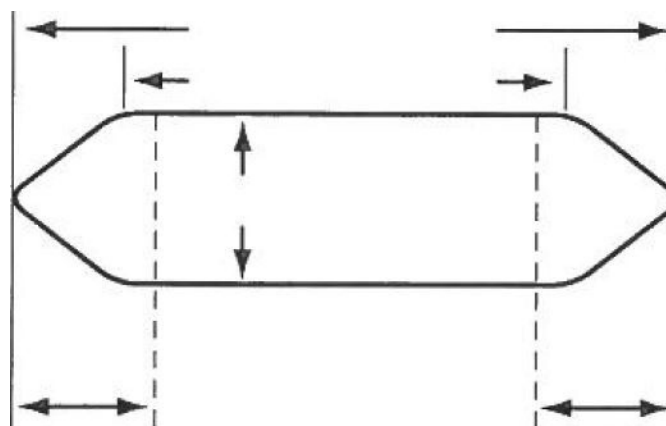
Slot depth: 1.25

Slot/tooth w: 0.284

Wire weight: 72

Vents: Size

COIL


☒ Left

Connection End  
(Facing Terminal Box)

☐ Right

Rotor bars:



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**Single Phase**

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

Hp/kw: 40

RPM: 1180

Manufacturer: Reliance

	Run	Start	Type:	Volts:	460	
No. Slots			Model:	P3(6G5050A	Amps:	49.9
No. Poles			Style:		Hertz:	
Coils/pole			Form:		Frame:	
Dwg No.			C Rise:	Hrs.:	Cap. Mfd.:	
Wire Size			Serial#:	6835071-1		
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: Search Waste Water

(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

