



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 94266

Date: May 8, 2018

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Search Water

Motor#:

Name Plate Information

Manufacturer:	Reliance	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	40
Serial#:	6835071-1	Model#:	P36G5050A	Service Factor:	1.15
Frame:	364LPZ	Rated RPM:	1180	Rated Voltage:	460
Phase:	3	Rated Amps:	49.4	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

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AC Electrical Inspection (Continued)


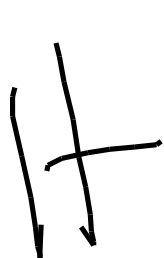

Core Test Data

	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 8, 2018

Hp/kw: 40

RPM: 1180

Poles:

6 Manufacturer: Reliance

Slots: 72

Type:

P Volts: 460

Coils: 72

Model: P36G5050A

Amps: 49.4

18 Of 4

Serial#: 6835071-1

Phase: 3

Grouping

Of

Lead marking:

Hertz: 60

Turns/Coil: 7

Lead length: 16 C Rise: Frame: 364LPZ

Wire Size 17 18

Lead size: 4 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: 4

Core length: 5.875

Core ID: 10.875

Back iron: 1.0

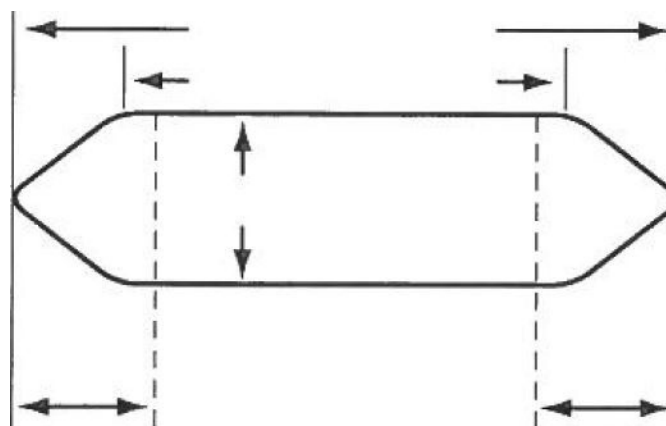
Slot depth: 1.25

Slot/tooth w: 0.262

Wire weight: 76

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: 1180

Manufacturer: Reliance

	Run	Start	Type:	Volts:	460
No. Slots			Model: P36G5050A	Amps:	49.4
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 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

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

