



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 96095

Date: October 11, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Pardon Water Authority

Motor#:

Name Plate Information

Manufacturer: Republic Blower
SystemsEnclosure : Open Drop Proof
(ODP)

Horsepower/kW:

Serial#: 001338

Model#: HRB900

Service Factor:

Frame:

Rated RPM: 3380

Rated Voltage: 240/480

Phase: 3

Rated Amps: 33.8/17.3

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: 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	85.009	0.281	1.867	195
After burnout				

Conclusion

Service Tech name: RHR

Service Tech signature:

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Polyphase AC Winding

Polyphase Date: October 11, 2019

Hp/kw:	RPM:	3380	Poles:	2	Manufacturer:	Republic Blower Systems
Slots:	48	Type:			Volts:	240/480
Coils:	24	Model:	HRB900		Amps:	33.8/17.3

6 Of 4

Grouping Of

Serial#: 001338

Phase: 3

Lead marking:

Hertz: 60

Turns/Coil:	14	Lead length:	12	C Rise:	Frame:
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Wire Size	19	Lead size:	16	Duty:	C AMB:
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Wire Mult.	3	Num. Leads:	6	Eff.:	Ins. Cls.:
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Pitch 1 to:	18202224	<input type="checkbox"/> DP	<input type="checkbox"/> TEFC	<input type="checkbox"/> XPRF	<input type="checkbox"/> TENV	S.F.:
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Connection: 1Y1D

Jumper:

Core length: 4.75

Core ID: 4.75

Back iron: 1.0

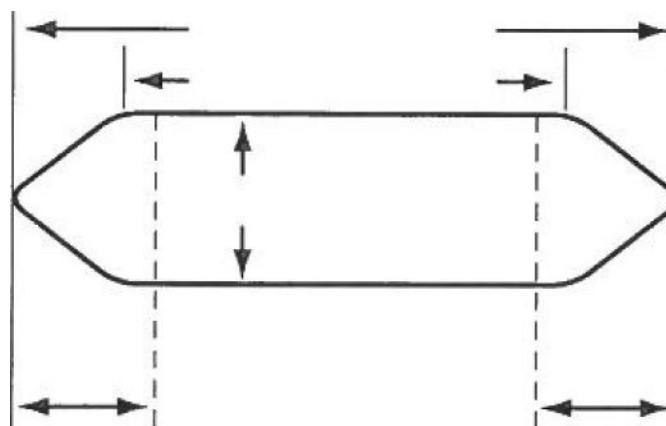
Slot depth: 0.5

Slot/tooth w: 0.131

Wire weight: 6

Vents: Size

COIL


☐ Left

Connection End
(Facing Terminal Box)

☐ Right

Rotor bars:



MILLINGTON, TN

LITTLE ROCK, AR

Single Phase

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

Hp/kw:

RPM: 3380

Manufacturer: Republic Blower Systems

Run

Start

Type:

Volts: 240/480

Model: HRB900

Amps: 33.8/17.3

Style:

Hertz:

Form:

Frame:

No. Slots

No. Poles

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: 001338

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: Pardon Water Authority

(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

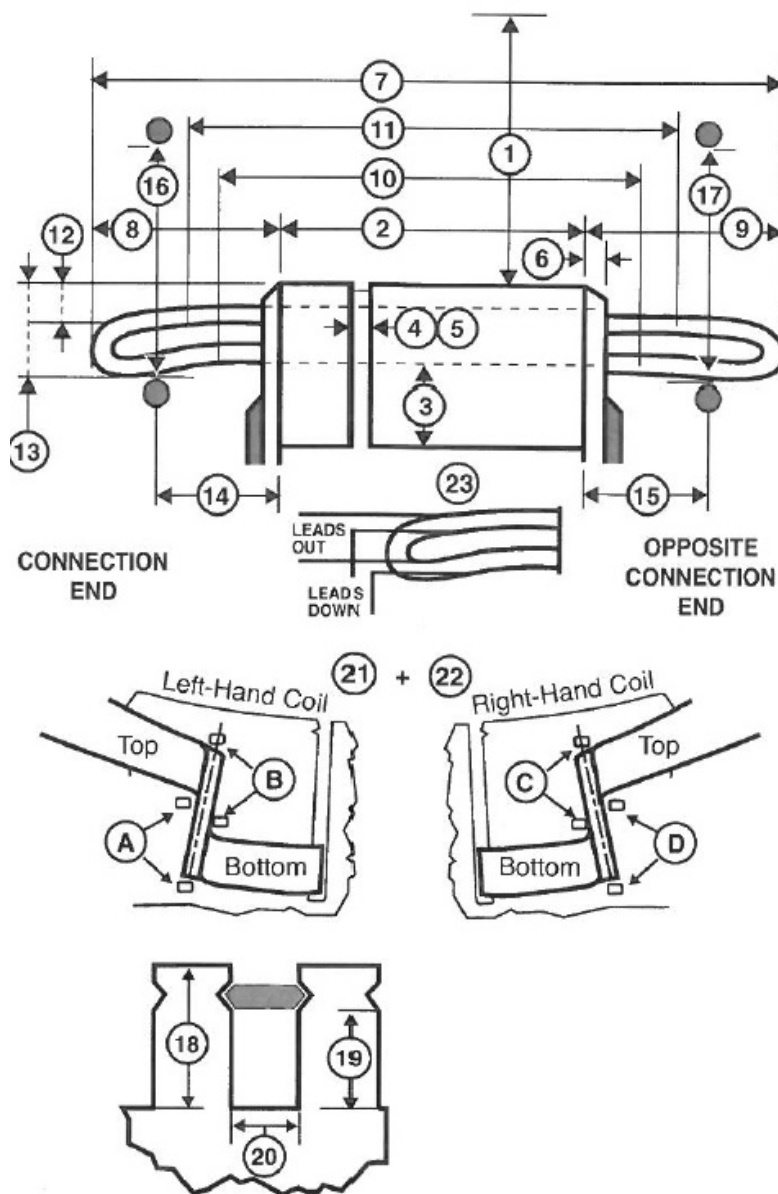
32. Strand insulation

☐ 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 ☐ Yes ☐ No

Coil support ring steel ☐ Yes ☐ No

Terrace wound ☐ Yes ☐ No

Corona Protection ☐ Yes ☐ No

RTDs ☐ Yes ☐ No

Ohms Qty

Hermetic ☐ Yes ☐ No

Slot paper used ☐ Yes ☐ No

Insulation class ☐ B ☐ F ☐ H

☐ VPI ☐ Dip & Bake ☐ Sealed

☐ Leads taped ☐ Leads sleeved

Comments

