



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 95757

Date: July 17, 2019

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: Sage Foods

Motor#:

## Name Plate Information

Manufacturer: Hydro Magic

Enclosure : Open Drop Proof (ODP)

Horsepower/kW: 30

Serial#: S0012969

Model#: S4K3000M4-4

Service Factor:

Frame:

Rated RPM: 1750

Rated Voltage: 460

Phase: 3

Rated Amps: 40.1

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	86.686	0.513	2.125	182
After burnout	85.166	0.624	2.668	190

## Conclusion

Service Tech name: RHR

Service Tech signature:

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# Polyphase AC Winding

Polyphase Date: July 17, 2019

Hp/kw: 30 RPM: 1750 Poles: 4 Manufacturer: Hydro Magic

Slots: 48 Type: Volts: 460

Coils: 48 Model: S4K3000M4-4 Amps: 40.1

Serial#: S0012969 Phase: 3

Lead marking: Hertz: 60

12 Of 4  
Grouping Of

Turns/Coil: 10 Lead length: 12 C Rise: Frame:

Wire Size 18 19 Lead size: 12 Duty: C AMB:

Wire Mult. 2 1 Num.Leads: 9 Eff.: Ins.Cls.:

Pitch 1 to: 11 ☐ DP ☐ TEFC ☐ XPRF ☐ TENV S.F.:

Connection: 2Y

Jumper:

Core length: 6.5

Core ID: 6.625

Back iron: 1.0

Slot depth: 0.75

Slot/tooth w: 0.248

Wire weight: 15

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: 30

RPM: 1750

Manufacturer: Hydro Magic

	Run	Start	Type:	Volts:	460	
No. Slots			Model:	S4K3000M4-4	Amps:	40.1
No. Poles			Style:		Hertz:	
Coils/pole			Form:		Frame:	
Dwg No.			C Rise:	Hrs.:	Cap. Mfd.:	
Wire Size			Serial#:	S0012969		
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: Sage Foods

(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

