



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 96751

Date: May 5, 2020

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: Diamond food

Motor#:

## Name Plate Information

Manufacturer:	Bald or/reliance	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	400
Serial#:	A1301082009	Model#:	M444404t-4	Service Factor:	1.15
Frame:	449TDZ	Rated RPM:	1780	Rated Voltage:	460
Phase:	3	Rated Amps:	448	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	83.770	0.602	1.137	180
After burnout	85.019	0.741	2.703	342

## Conclusion

Service Tech name: RHR

Service Tech signature:

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# Polyphase AC Winding

Polyphase Date: May 5, 2020

Hp/kw: 400 RPM: 1780 Poles: 4 Manufacturer: Bald or/reliance

Slots: 72 Type: P Volts: 460

Coils: 72 Model: M444404t-4 Amps: 448

Serial#: A1301082009 Phase: 3

Lead marking: 1-1-2-2-3-3-4-4-5-5-6-6 Hertz: 60

12 Of 6  
Grouping  
Of

Turns/Coil: 5 Lead length: 21 C Rise: Frame: 449TDZ

Wire Size 17 Lead size: 2 Duty: C AMB:

Wire Mult. 16 Num.Leads: 12 Eff.: Ins.Cls.:

Pitch 1 to: 17 ☐ DP ☐ TEFC ☐ XPRF ☐ TENV S.F.: 1.15

Connection: 4Y4D

Jumper:

Core length: 20.25

Core ID: 13.0

Back iron: 1.375

Slot depth: 1.625

Slot/tooth w: 0.284

Wire weight: 250

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: 400

RPM: 1780

Manufacturer: Bald or/reliance

	Run	Start	Type:	Volts:	460
No. Slots			Model:	M444404t-4	Amps: 448
No. Poles			Style:	Hertz:	
Coils/pole			Form:	Frame:	
Dwg No.			C Rise:	Hrs.:	Cap. Mfd.:
Wire Size			Serial#:	A1301082009	
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: Diamond food

(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

