

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 Horsepower/kW: 400

(ODP)

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:



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:

J //

May 5, 2020

Polyphase Date:



Polyphase .	AC Winding
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Hp/kw: 400 RPM: 1780 Poles: 4 Manufacturer: Bald or/reliance

Slots: 72 Type: P Volts: 460

Coils: 72 Model: M444404t-4 Amps: 448

12 Of 6 Serial#: A1301082009 Phase: 3

Grouping

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

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

Core length: 20.25

Jumper:

Core ID: 13.0

Back iron: 1.375

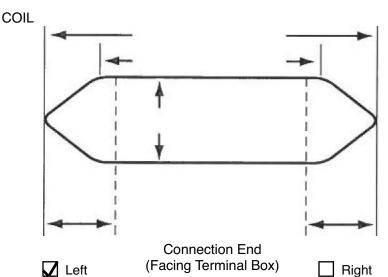
Slot depth: 1.625

Slot/tooth w: 0.284

Wire weight: 250

Vents: Size

Rotor bars:







Single Phase				Split Phase															
onigie i nase				1	Сар	acitor:	[St	art] Sta	art & R	un	☐ F	⊃erm.	Split			
Hp/kw:	400			RPM:	1	780			Manu	facture	er:	Bald o	or/relia	nce					
		Run		Start	t		Type:							٧	olts:	46	60		
No. Slots	<u> </u>					1	Model:		Л44440)4t-4					mps:	44	18		
No. Poles	3						Style: Form:								ertz:				
Coils/pole)		Form: Frame:																
Dwg No				C Rise: Hrs.: Cap. Mfd.:															
Wire Size)	Serial#: A1301082009																	
Wires in par				Duty: — BB SB															
No. Circuits	6			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	10	3 17	7 -	18
Starting																		Ē	
Customer	: [Diamor	nd food	ļ															

(Please return a copy to EASA Headquarters, 1331 Baur Blvd., St. Louis, MO 63132)



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. Connnection end extension
- 9. Opposite Conn. End Ext.
- 10. Straight length bottom side
- 11. Straight length top side
- 12. Small knuckle drop. CE

OCE

13. Large knuckle drop. CE

OCE

- 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











CENTRAL ARKANSAS



AC Stator Form Coil Data (Continued)

21. Lead location A B C D

23. Coil leads Long# LG

Short# LG

Out Down

24. Jumper —

25. Connection —

26. No. of circuits

27. No. of slots

28. Coil throw

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 B H								
☐ VPI ☐ Dip & Bake ☐ Sealed								
Leads taped Leads sleeved								
Comments								



