



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 96410

Date: February 28,
2020

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: 3M

Motor#:

Name Plate Information

Manufacturer:	SIEMENS	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	250
Serial#:	J06T2010ES1	Model#:	1LA0449HE4N	Service Factor:	1.15
Frame:	B449T	Rated RPM:	1185	Rated Voltage:	460
Phase:	3	Rated Amps:	280	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	85.622	0.592	1.473	227
After burnout	85.098	0.765	2.382	286

Conclusion

Service Tech name: RHR

Service Tech signature:



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Polyphase AC Winding

Polyphase Date: February 28, 2020

Hp/kw:	250	RPM:	1185	Poles:	6	Manufacturer:	SIEMENS
Slots:	72	Type:	RGZESD	Volts:	460		
Coils:	72	Model:	1LA0449HE4N	Amps:	280		
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 18 Of 4 Grouping Of </div>		Serial#:	J06T2010ES1	Phase:	3		
		Lead marking:	1-1-2-2-3-3	Hertz:	60		

Turns/Coil:	5	Lead length:	16	C Rise:		Frame:	B449T
Wire Size	16 17	Lead size:	2	Duty:	CONT	C AMB:	
Wire Mult.	7 4	Num.Leads:	6	Eff.:		Ins.Cls.:	F
Pitch 1 to:	11	<input type="checkbox"/> DP	<input type="checkbox"/> TEFC	<input type="checkbox"/> XPRF	<input type="checkbox"/> TENV	S.F.:	1.15

Connection: 6Y

Jumper:

Core length: 23.625

Core ID: 12.125

Back iron: 1.0

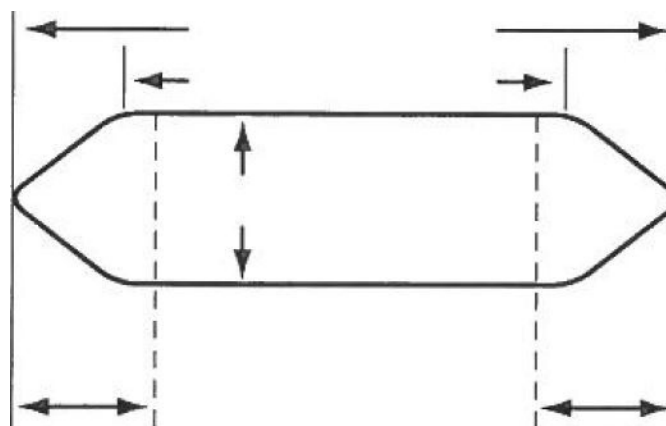
Slot depth: 1.375

Slot/tooth w: 0.284

Wire weight: 198

Vents: Size

COIL


☒ Left

Connection End
(Facing Terminal Box)

☐ Right



MILLINGTON, TN

LITTLE ROCK, AR

Single Phase

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

Hp/kw: 250

RPM: 1185

Manufacturer: SIEMENS

Run

Start

Type:

Volts: 460

Model: 1LA0449HE4N

Amps: 280

Style:

Hertz:

Form:

Frame:

No. Slots

No. Poles

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: J06T2010ES1

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: 3M

(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

