



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 139996

Date: July 29, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: USG

Motor#: 139996

Name Plate Information

Manufacturer: GE

Enclosure : Open Drop Proof
(ODP)

Horsepower/kW: 500

Serial#: SWH284002259

Model#: 5K84071000305

Service Factor: 1.15

Frame: 8407S

Rated RPM: 590

Rated Voltage: 2300

Phase: 3

Rated Amps: 127

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				
After burnout	85.07	1280	1.02	9

Conclusion

Service Tech name: Shawn

Service Tech signature:

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MILLINGTON, TN

LITTLE ROCK, AR

Polyphase AC Winding

First Speed

Polyphase Date:

Hp/kw: 500 RPM: 590

Manufacturer: GE

Slots: Type:

Volts: 2300

Poles:

Coils: Model: 5K84071000305

Amps: 127

Serial#: SWH284002259

Phase: 3

Grouping

Of

Lead marking:

Hertz:

Of

Turns/Coil:

Lead length:

C Rise:

Frame:

Wire Size

Lead size:

Duty:

C AMB:

Wire Mult.

Num.Leads:

Eff.:

Ins.Cls.:

Pitch 1 to:

☐ DP☐ TEFC☐ XPRF☐ TENV

S.F.:

Connection:

Jumper:

Core length:

Core ID:

Back iron:

Slot depth:

Slot/tooth w:

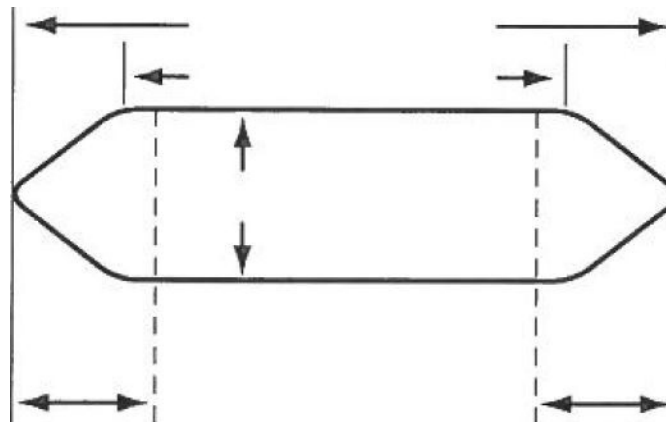
Wire weight:

Slot:

Tip:

Pitch:

COIL

☐ LeftConnection End
(Facing Terminal Box)☐ Right**WEST TENNESSEE**

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MILLINGTON, TN

LITTLE ROCK, AR

Single Phase

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

Hp/kw: 500

RPM: 590

Manufacturer: GE

Run

Start

Type:

Volts: 2300

Model: 5K84071000305

Amps: 127

Style:

Hertz:

Form:

Frame:

No. Slots

No. Poles

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: SWH284002259

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: USG

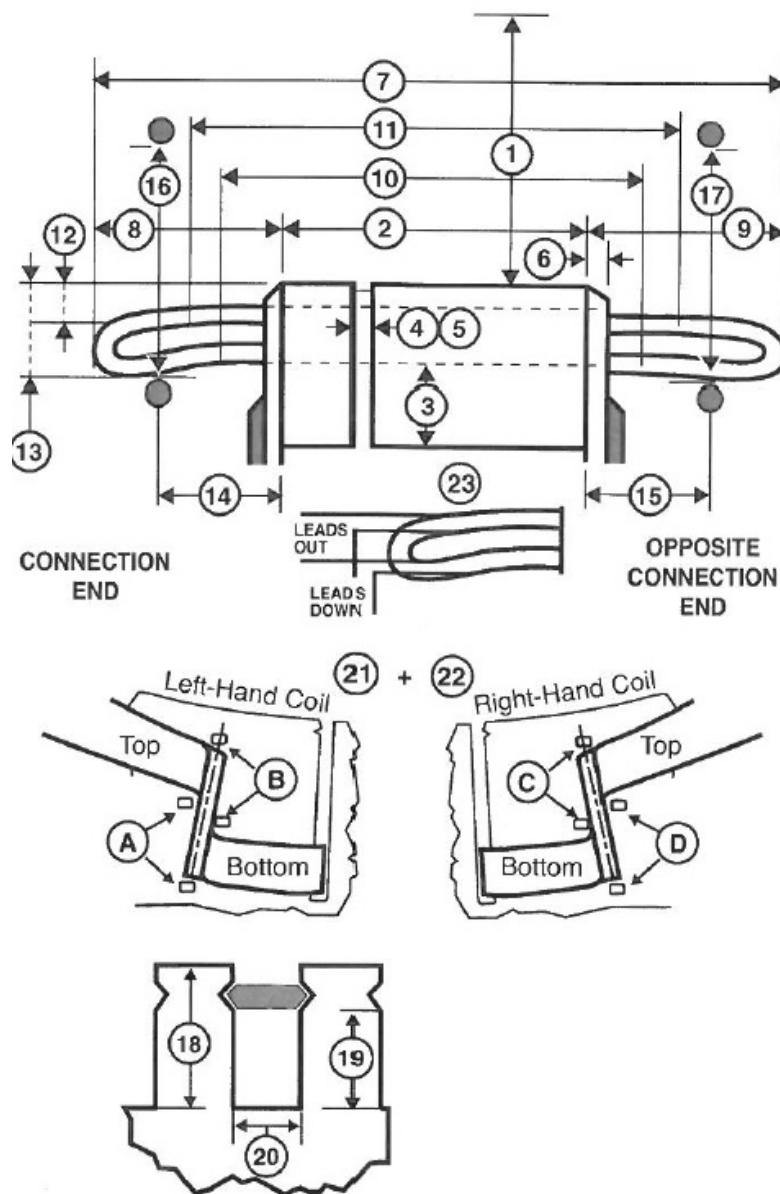
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AC Stator Form Coil Data

1. Core bore diameter	26.375		
2. Total core length	19.250		
3. Back iron	1.750		
4. No. of vents	7		
5. Width of vents	0.350		
6. Finger plate width	0.562		
7. Overall coil length	30.125		
8. Connection end extension	5.250		
9. Opposite Conn. End Ext.	5.250		
10. Straight length bottom side			
11. Straight length top side			
12. Small knuckle drop. CE	1.12	OCE	1.12
	5		5
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	2.13		
19. Slot depth under wedge	1.937		
20. Slot width	0.420		



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 1-7

25. Connection WYE

26. No. of circuits 2

27. No. of slots 90

28. Coil throw 1-8

29. Turns per coil 8

30. Total wires in parallel 1

31. Bare wire sizes (0.100) x 0.315

() x

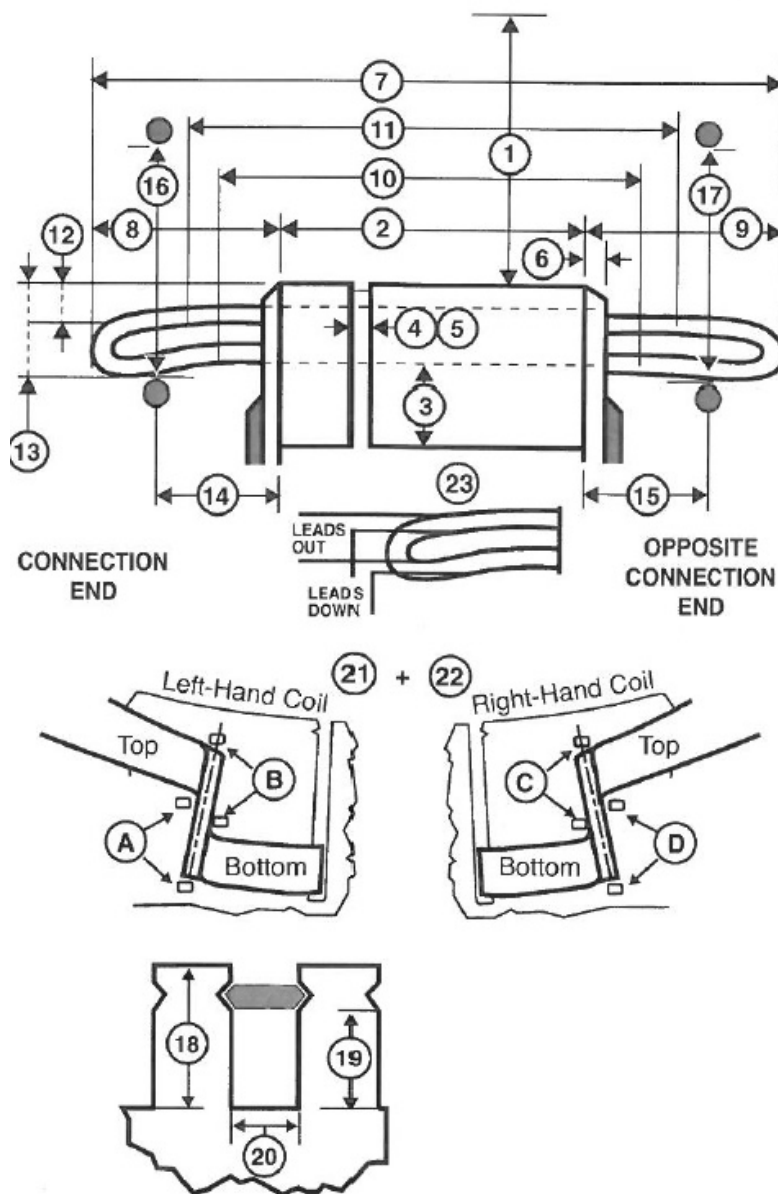
32. Strand insulation

☐ Film ☒ Glass ☐ Mica ☐ Bare ☐ Other

33. Coil weight Lbs.

34. 18 Groups of 3 Coils

18 Groups of 2 Coils

35. Iron skewed ☐ Right ☐ Left in


AC Stator Form Coil Data (Continued)

Special Features	Yes	No
Data change	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Coil support ring steel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Terrace wound	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Corona Protection	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RTDs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ohms Qty		
Hermetic	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Slot paper used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Insulation class	<input type="checkbox"/> B <input type="checkbox"/> F <input type="checkbox"/> H	
	<input checked="" type="checkbox"/> VPI <input type="checkbox"/> Dip & Bake <input type="checkbox"/> Sealed	
	<input type="checkbox"/> Leads taped <input checked="" type="checkbox"/> Leads sleeved	

Comments

