Job Information

Job #: 140207 Date: August 20, 2019

Priority: — Authorized OT: No Authorized by:

Customer Information

Name: USG Motor#:

Name Plate Information

Manufacturer:	Siemens	Enclosure :	Totally Enclosed Fan Cooled	Horsepower/kW:	100
Serial#:	1LA04054SE41A	Model#:		Service Factor:	1.15
Frame:	405T	Rated RPM:	1780	Rated Voltage:	460
Phase:	3	Rated Amps:	113	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:

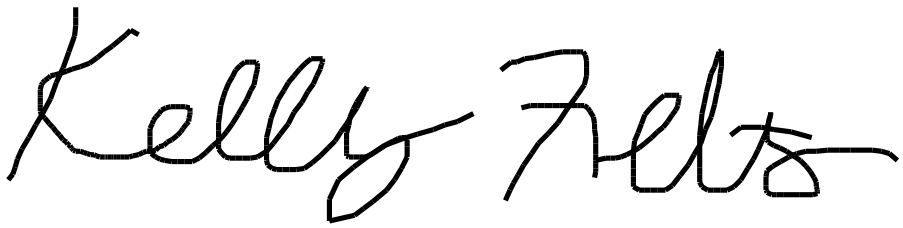
AC Electrical Inspection (Continued)

Core Test Data

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout				
After burnout	84.61	430	1.97	

Conclusion

Service Tech name: Kelly Felts

Service Tech signature: 

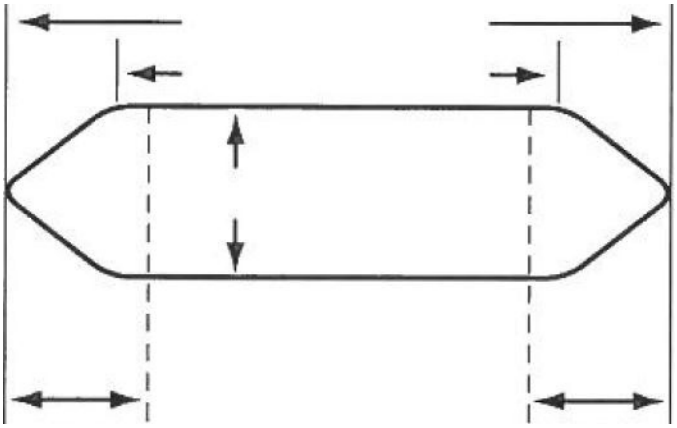
Polyphase AC Winding

First Speed

Polyphase Date: August 20, 2019

Hp/kw:	100	RPM:	1780			Manufacturer:	Siemens
Slots:	48	Poles:	4	Type:	RGZESD	Volts:	460
Coils:	48			Model:		Amps:	113
Grouping	12 Of 4 Of			Serial#:	1LA04054SE41A	Phase:	3
				Lead marking:		Hertz:	60
Turns/Coil:	9			Lead length:	18	C Rise:	Frame: 405T
Wire Size	16	18		Lead size:	4	Duty:	C AMB:
Wire Mult.	5	2		Num.Leads:	3	Eff.:	Ins.Cls.: H
Pitch 1 to:	11			☐ DP ☑ TEFC ☐ XPRF ☐ TENV			S.F.: 1.15
Connection:	2DELTA						
Jumper:							
Core length:	12						
Core ID:	10.437						
Back iron:	1.187						
Slot depth:	1.25						
Slot/tooth w:	0.312						
Wire weight:	100						
Slot:	14.6						
Tip:	2.4						
Pitch:	7.6						

COIL



Connection End
(Facing Terminal Box)

☐ Left ☐ Right

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Single Phase

Split Phase ☐

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

Hp/kw: 100 RPM: 1780 Manufacturer: Siemens

	Run	Start
No. Slots		
No. Poles		
Coils/pole		
Dwg No.		
Wire Size		
Wires in par.		
No. Circuits		
Coil Ext.		
Stator Bore		

Type: Volts: 460

Model: Amps: 113

Style: Hertz:

Form: Frame:

C Rise: Hrs.: Cap. Mfd.:

Serial#: 1LA04054SE41A

Duty: — ☐ BB ☐ SB

Open: —

Sta.length: Sta.b.i.:

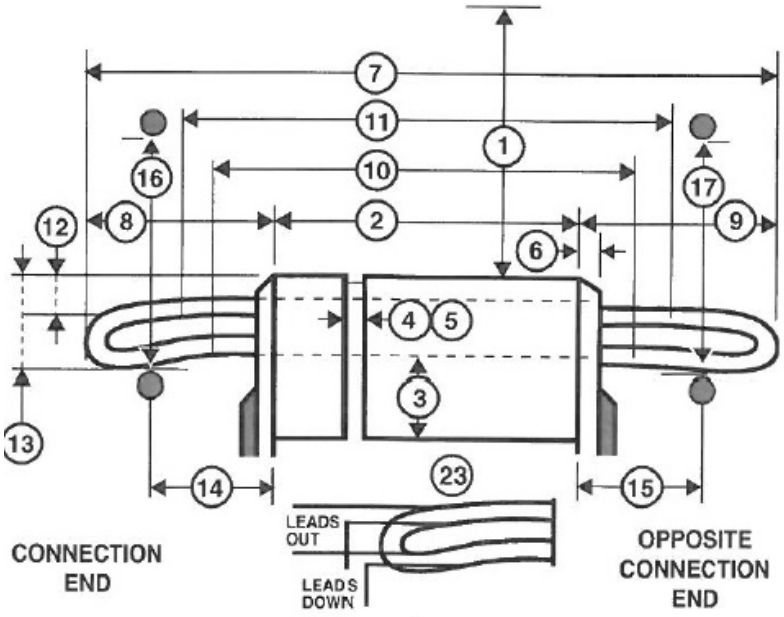
Running	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Slot No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Starting	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

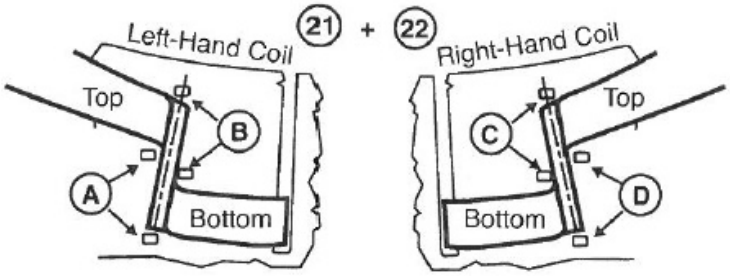
Customer: USG

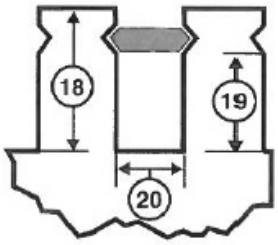
(Please return a copy to EASA Headquarters, 1331 Baur Blvd., St. Louis, MO 63132)

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







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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

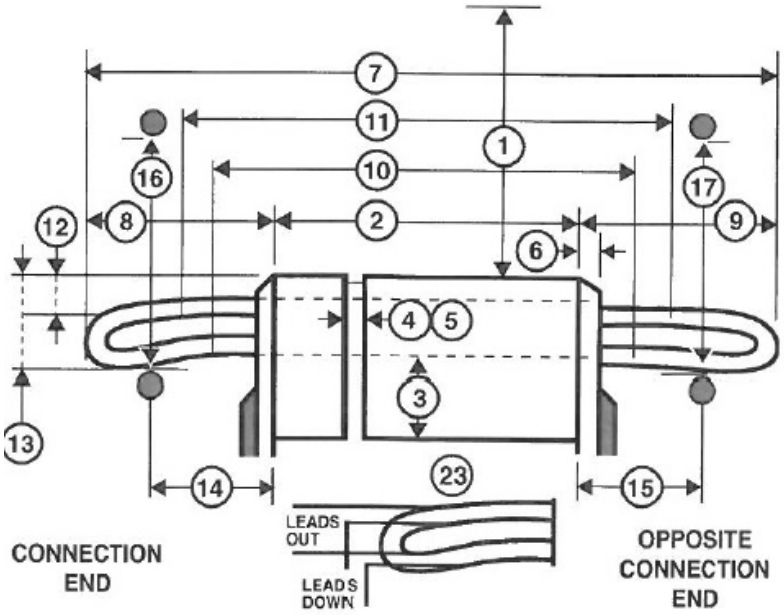
☐ Film ☐ Glass ☐ Mica ☐ Bare ☐ Other

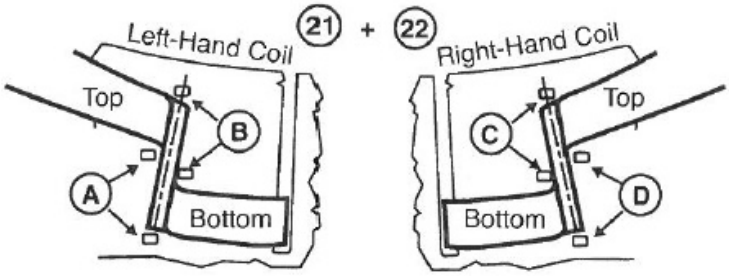
33. Coil weight Lbs.

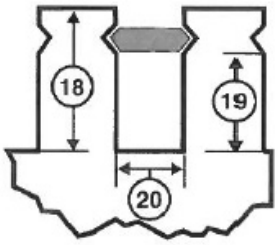
34. Groups of Coils

Groups of Coils

35. Iron skewed ☐ Right ☐ Left in







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AC Stator Form Coil Data (Continued)

Special Features	Yes	No
Data change	☐	☐
Coil support ring steel	☐	☐
Terrace wound	☐	☐
Corona Protection	☐	☐
RTDs	☐	☐

Ohms Qty

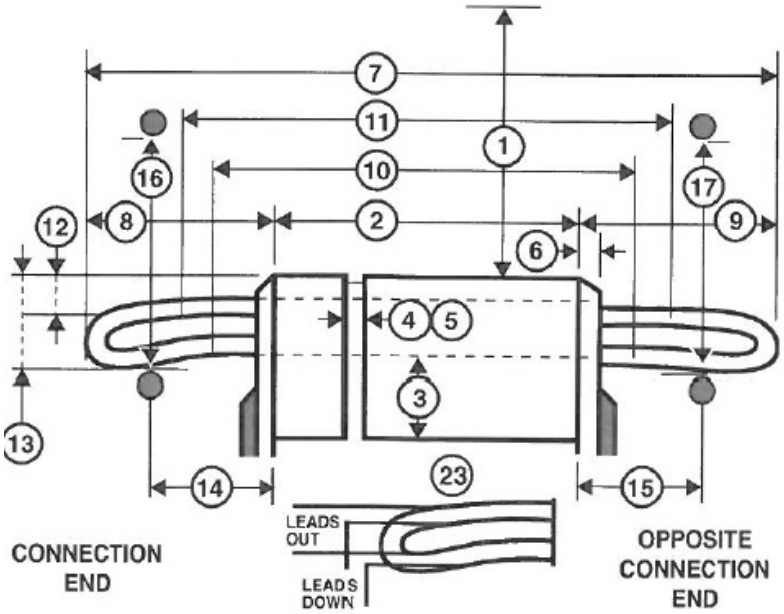
Hermetic	☐	☐
Slot paper used	☐	☐

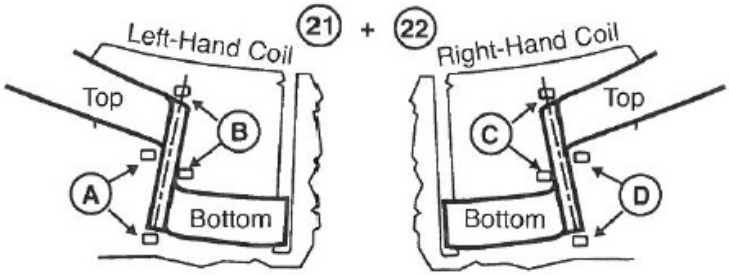
Insulation class ☐ B ☐ F ☐ H

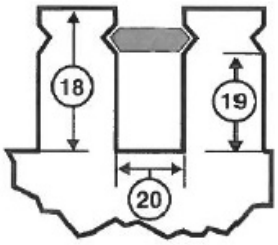
☐ VPI ☐ Dip & Bake ☐ Sealed

☐ Leads taped ☐ Leads sleeved

Comments







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