Job Information

Job #:	140835			Date:	November 15, 2019
Priority:	—	Authorized OT:	No	Authorized by:	

Customer Information

Name:	Barnhart	Motor#:	

Name Plate Information

Manufacturer:	GE	Enclosure :	Totally Enclosed Fan Cooled	Horsepower/kW:	100
Serial#:	KE423016	Model#:	5K365BK2050	Service Factor:	1.0
Frame:	365TSZ	Rated RPM:	1770	Rated Voltage:	440
Phase:	3	Rated Amps:	120	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				

Conclusion

Service Tech name: Kelly Felts

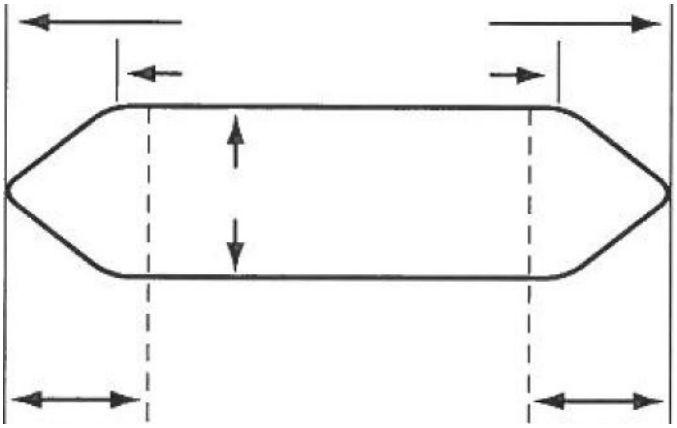
Service Tech signature: Kelly Felts

Polyphase AC Winding

Polyphase Date:

Hp/kw:	100	RPM:	1770	Poles:		Manufacturer:	GE
Slots:	60			Type:		Volts:	440
Coils:	60			Model:	5K365BK2050	Amps:	120
Grouping	12 Of 5 Of			Serial#:	KE423016	Phase:	3
				Lead marking:		Hertz:	60
Turns/Coil:	7			Lead length:	2	C Rise:	
Wire Size	16			Lead size:	6	Duty:	
Wire Mult.	5			Num.Leads:	6	Eff.:	
Pitch 1 to:	14			☐ DP ☑ TEFC ☐ XPRF ☐ TENV		S.F.:	
Connection:	2Y/2D						
Jumper:							
Core length:	10.25						
Core ID:	8						
Back iron:	1.375						
Slot depth:	1.125						
Slot/tooth w:	0.30						
Wire weight:	70						
Vents:	Size						
Rotor bars:							

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: 1770 Manufacturer: GE

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

Type: Volts: 440

Model: 5K365BK2050 Amps: 120

Style: Hertz:

Form: Frame:

C Rise: Hrs.: Cap. Mfd.:

Serial#: KE423016

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: Barnhart

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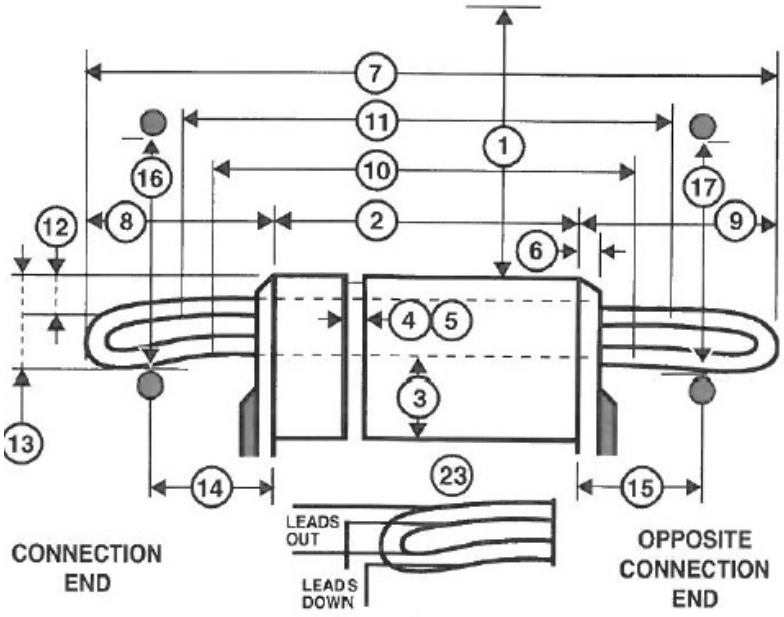
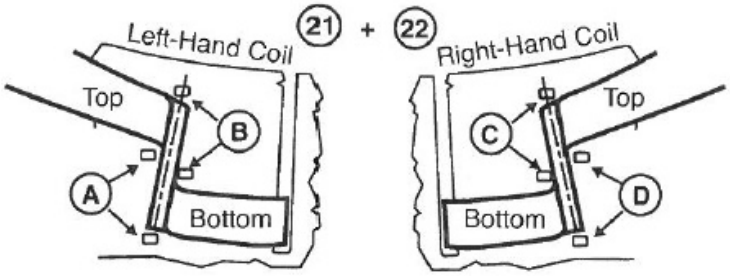
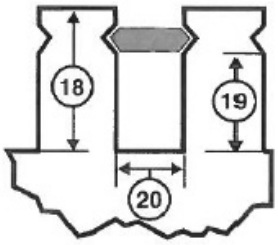
AC Stator Form Coil Data

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. 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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Phone 501-375-9178
Fax 501-375-4254

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

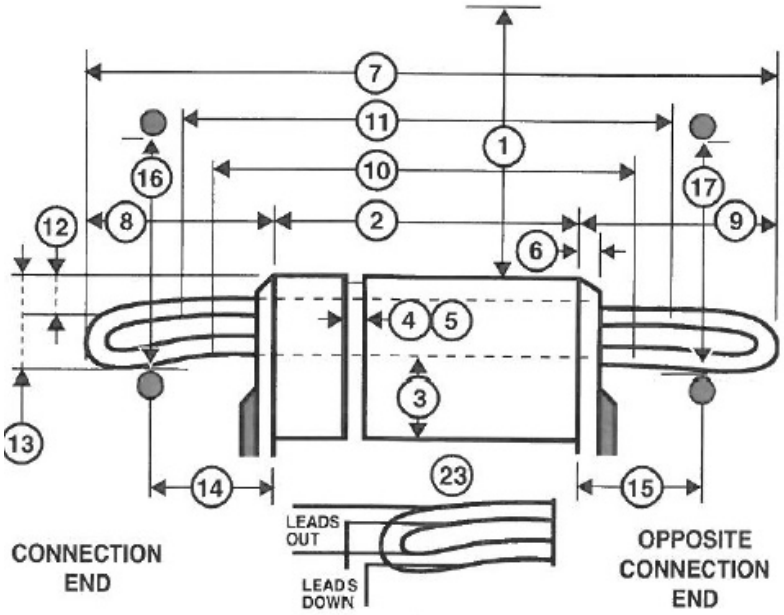
☐ Film ☐ Glass ☐ Mica ☐ Bare ☐ Other

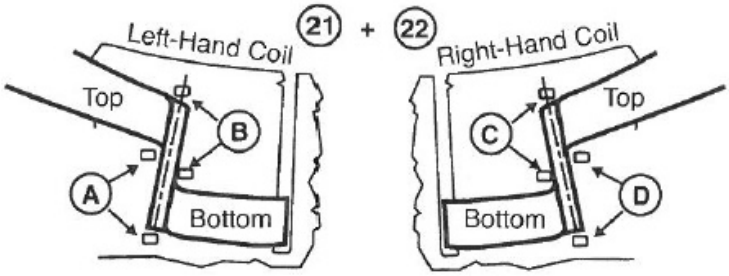
33. Coil weight Lbs.

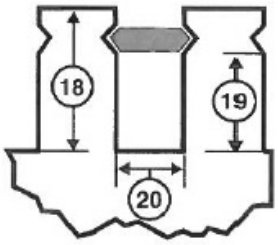
34. Groups of Coils

Groups of Coils

35. Iron skewed ☐ Right ☐ Left in







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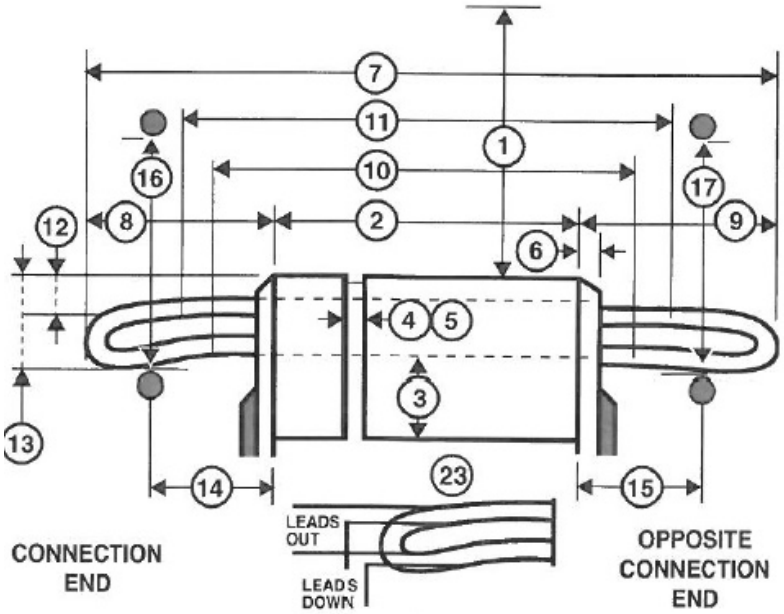
AC Stator Form Coil Data (Continued)

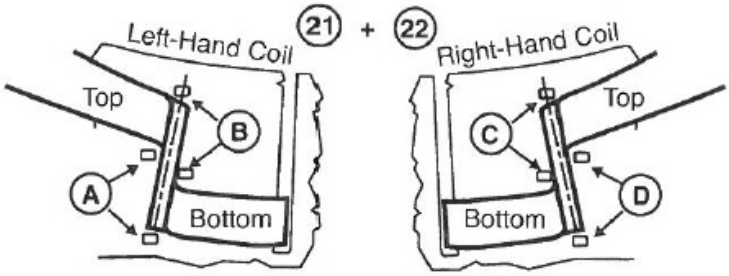
Special Features	Yes	No
Data change	☐	☐
Coil support ring steel	☐	☐
Terrace wound	☐	☐
Corona Protection	☐	☐
RTDs	☐	☐
Ohms Qty		
Hermetic	☐	☐
Slot paper used	☑	☐

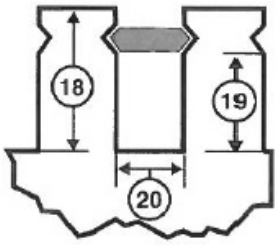
Insulation class ☐ B ☐ F ☐ H

☑ VPI ☐ Dip & Bake ☐ Sealed

☐ Leads taped ☐ Leads sleeved







Comments

Iron 9.6
Span 7.8
E.R 2.2

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