Job Information

Job #:	96174			Date:	November 1, 2019
Priority:	—	Authorized OT:	No	Authorized by:	

Customer Information

Name:	Production. Assentance	Motor#:	

Name Plate Information

Manufacturer:	Reliance	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	50/20
Serial#:	000010/19	Model#:		Service Factor:	
Frame:		Rated RPM:	1800/900	Rated Voltage:	460
Phase:	3	Rated Amps:	39/28	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	85.174	0.753	3.496	313
After burnout	85.550	0.746	2.652	239

Conclusion

Service Tech name: RHR

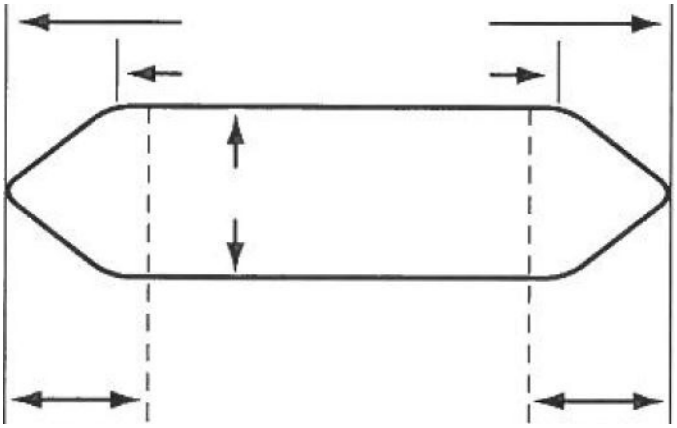
Service Tech signature:

Polyphase AC Winding

Polyphase Date: November 1, 2019

Hp/kw:	50/20	RPM:	1800/900	Poles:	48	Manufacturer:	Reliance
Slots:	48	Type:				Volts:	460
Coils:	48	Model:				Amps:	39/28
Grouping	12 Of 4 Of	Serial#:	000010/19			Phase:	3
		Lead marking:				Hertz:	60
Turns/Coil:	14	Lead length:	16	C Rise:		Frame:	
Wire Size	16	Lead size:	8	Duty:		C AMB:	
Wire Mult.	4	Num.Leads:	6	Eff.:		Ins.Cls.:	
Pitch 1 to:	6	☐ DP	☐ TEFC	☐ XPRF	☐ TENV	S.F.:	
Connection:	2Y1DConst Torque						
Jumper:							
Core length:	5.875						
Core ID:	10.0						
Back iron:	1.25						
Slot depth:	1.25						
Slot/tooth w:	0.284						
Wire weight:	48						
Vents:	Size						
Rotor bars:							

COIL



Connection End
(Facing Terminal Box)

☑ Left ☐ Right

EASA
The Electro•Mechanical Authority

Single Phase

Split Phase ☐

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

Hp/kw: 50/20 RPM: 1800/900 Manufacturer: Reliance

	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: 39/28

Style: Hertz:

Form: Frame:

C Rise: Hrs.: Cap. Mfd.:

Serial#: 000010/19

Duty: — ☐ BB ☐ SB

Open: —

Sta.length: Sta.b.i.:

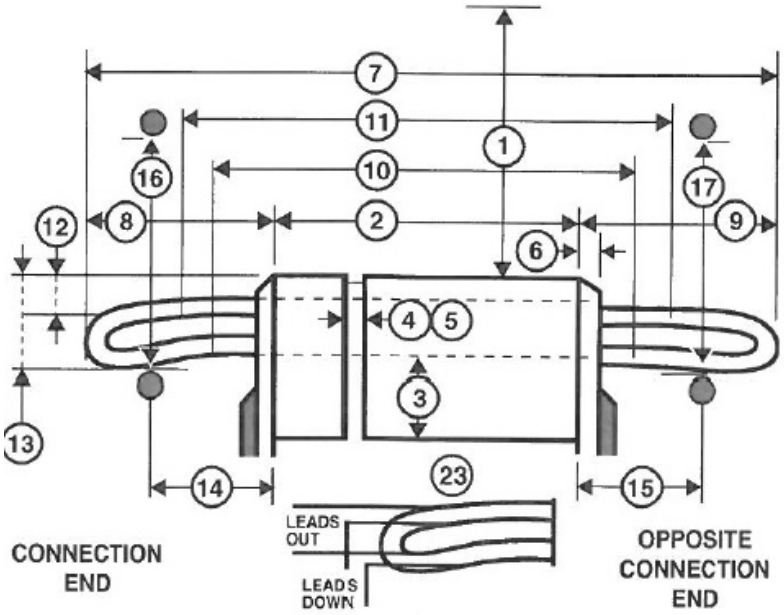
Running	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Slot No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Starting	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

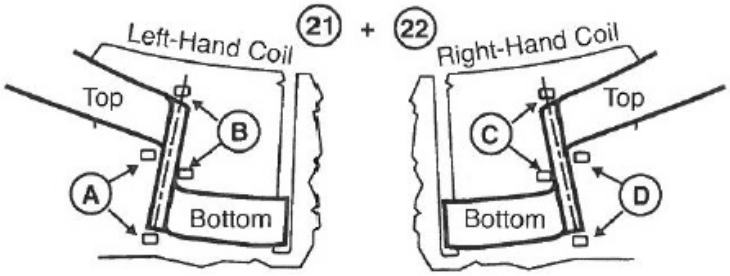
Customer: Production. Assentance

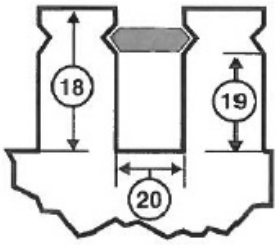
(Please return a copy to EASA Headquarters, 1331 Baur Blvd., St. Louis, MO 63132)

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







EASA The Electro•Mechanical Authority

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

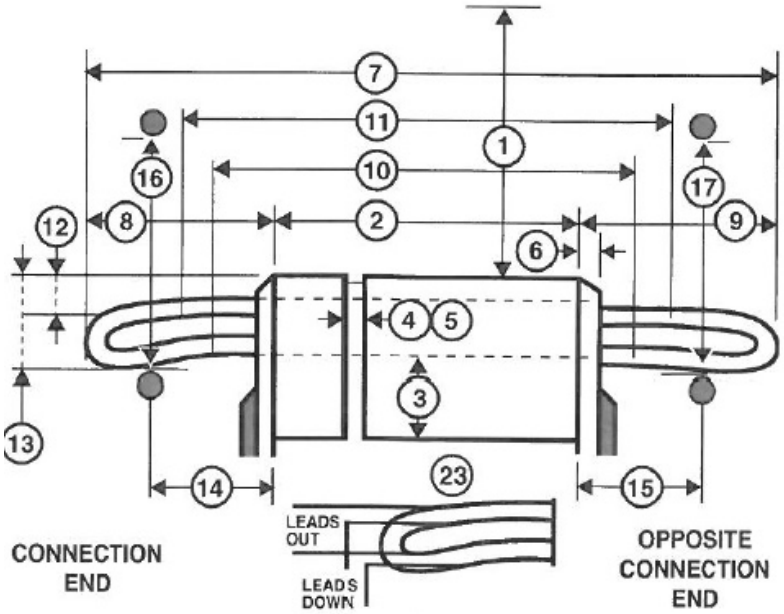
☐ Film ☐ Glass ☐ Mica ☐ Bare ☐ Other

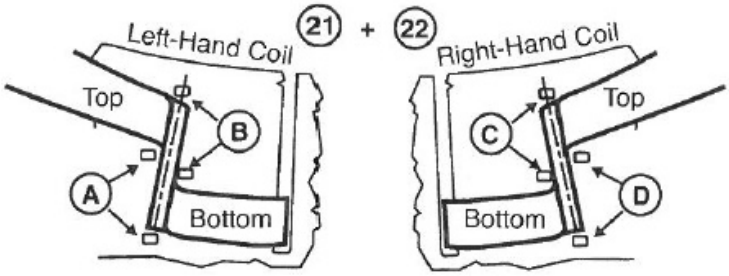
33. Coil weight Lbs.

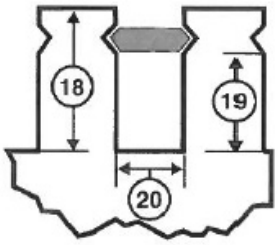
34. Groups of Coils

Groups of Coils

35. Iron skewed ☐ Right ☐ Left in







EASA The Electro•Mechanical Authority

AC Stator Form Coil Data (Continued)

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

Ohms Qty

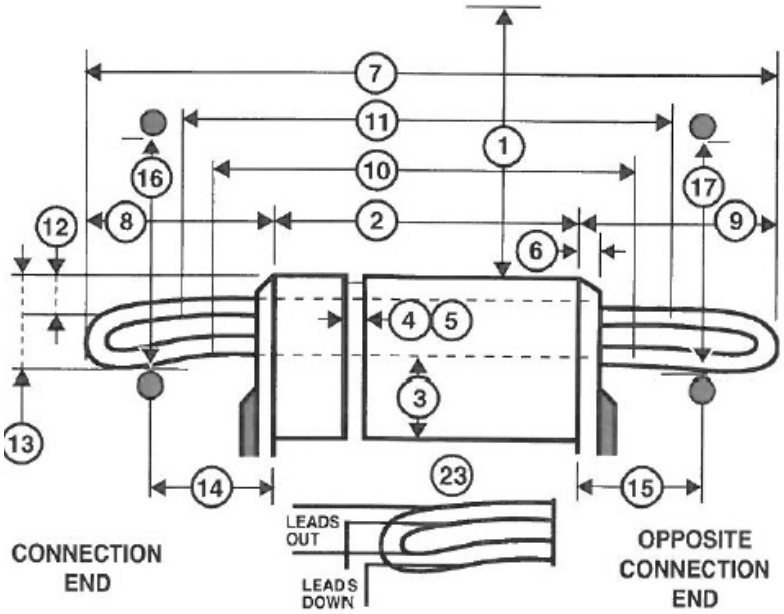
Hermetic	☐	☐
Slot paper used	☐	☐

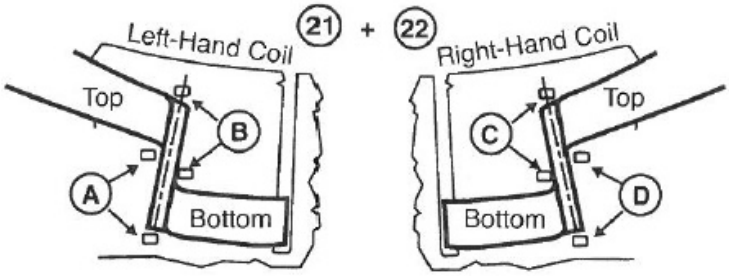
Insulation class ☐ B ☐ F ☐ H

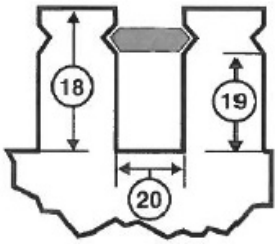
☐ VPI ☐ Dip & Bake ☐ Sealed

☐ Leads taped ☐ Leads sleeved

Comments







EASA The Electro•Mechanical Authority