Job Information

Job #: 138457 Date:

Priority: — Authorized OT: No Authorized by:

Customer Information

Name: Forterra Motor#:

Name Plate Information

Manufacturer:	Demag	Enclosure :	Weather Protected II (WPII)	Horsepower/kW:	2.1
Serial#:	71631948	Model#:		Service Factor:	
Frame:	80 B 4	Rated RPM:	1670	Rated Voltage:	230/460
Phase:	3	Rated Amps:	8.6/4.3	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	87	20	2.60	

Conclusion

Service Tech name: Kelly Felts

Service Tech signature:

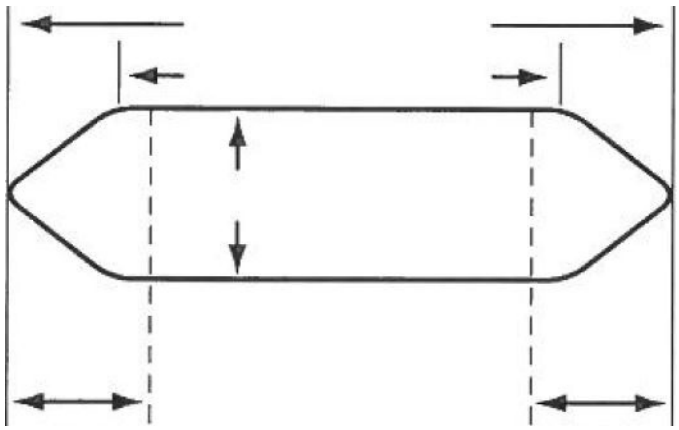
Polyphase AC Winding

First Speed

Polyphase Date:

Hp/kw:	2.1	RPM:	1670			Manufacturer:	Demag
Slots:	36	Poles:	4	Type:		Volts:	230/460
Coils:	36			Model:		Amps:	8.6/4.3
Grouping	12 Of 3 Of			Serial#:	71631948	Phase:	3
				Lead marking:	1,2,3,4,5,6,7,8,9,11,12	Hertz:	60
Turns/Coil:	26			Lead length:	12	C Rise:	Frame: 80 B 4
Wire Size	22			Lead size:	18	Duty:	C AMB:
Wire Mult.	1			Num.Leads:	11	Eff.:	Ins.Cls.:
Pitch 1 to:	9			☐ DP	☑ TEFC	☐ XPRF	☐ TENV S.F.:
Connection:	1&2Y						
Jumper:							
Core length:	3.187						
Core ID:	3.094						
Back iron:	0.469						
Slot depth:	0.5						
Slot/tooth w:	0.160						
Wire weight:	3						
Slot:	5.6						
Tip:	30						
Pitch:	32						

COIL



Connection End
(Facing Terminal Box)

☐ Left ☐ Right

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Single Phase

Split Phase ☐

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

Hp/kw: 2.1 RPM: 1670 Manufacturer: Demag

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

Type: Volts: 230/460

Model: Amps: 8.6/4.3

Style: Hertz:

Form: Frame:

C Rise: Hrs.: Cap. Mfd.:

Serial#: 71631948

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: Forterra

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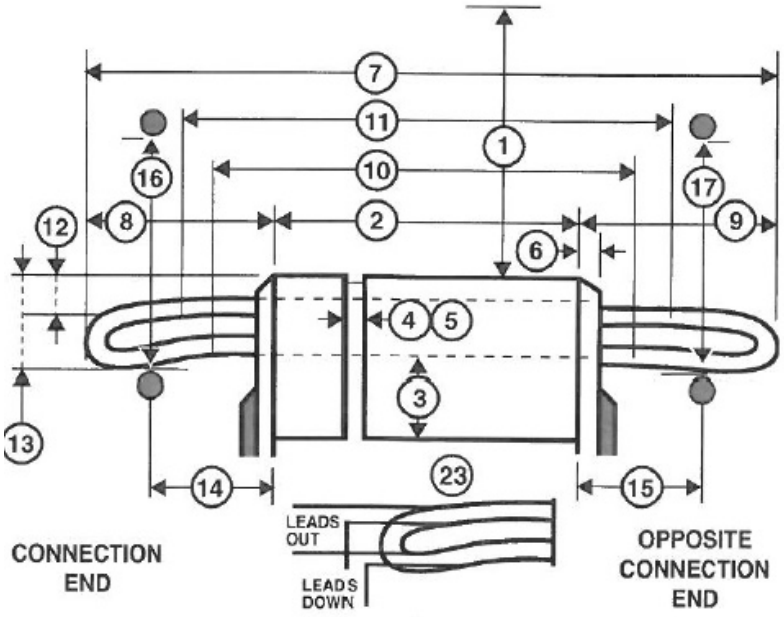
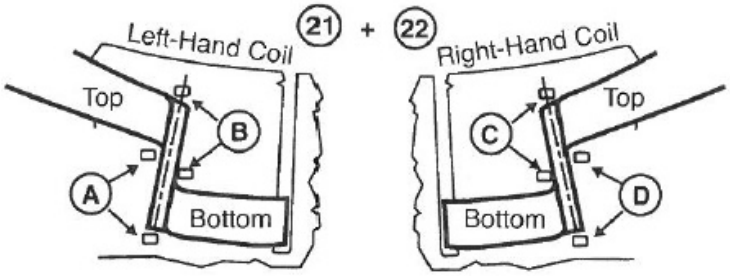
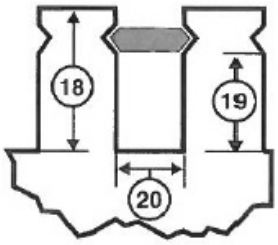
AC Stator Form Coil Data

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

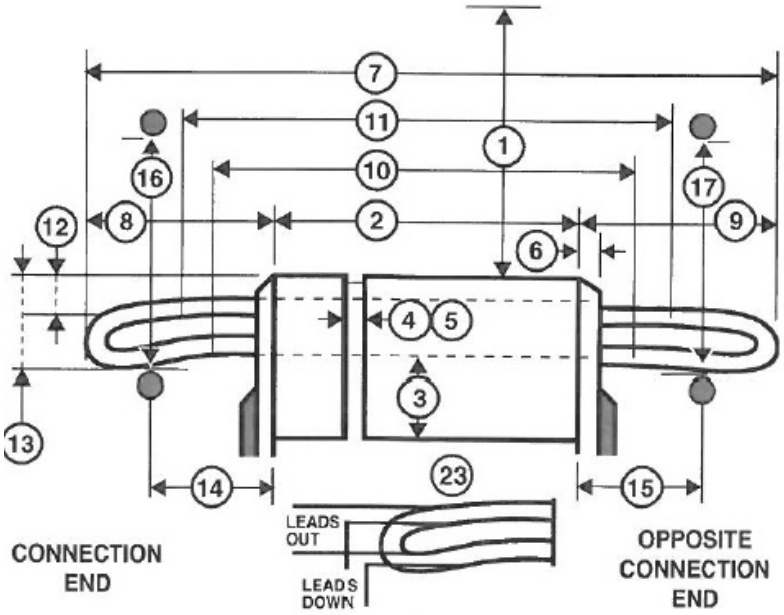
☐ Film ☐ Glass ☐ Mica ☐ Bare ☐ Other

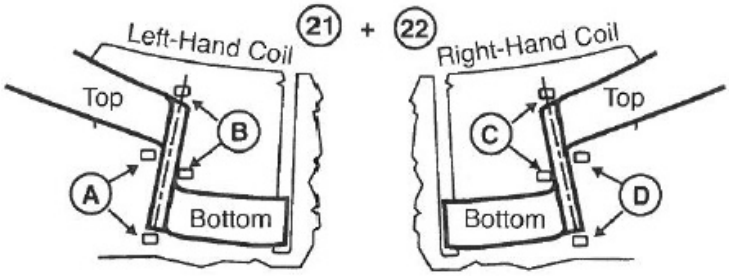
33. Coil weight Lbs.

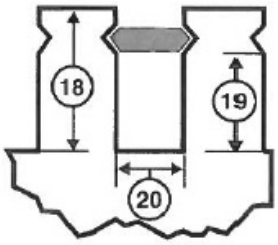
34. Groups of Coils

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

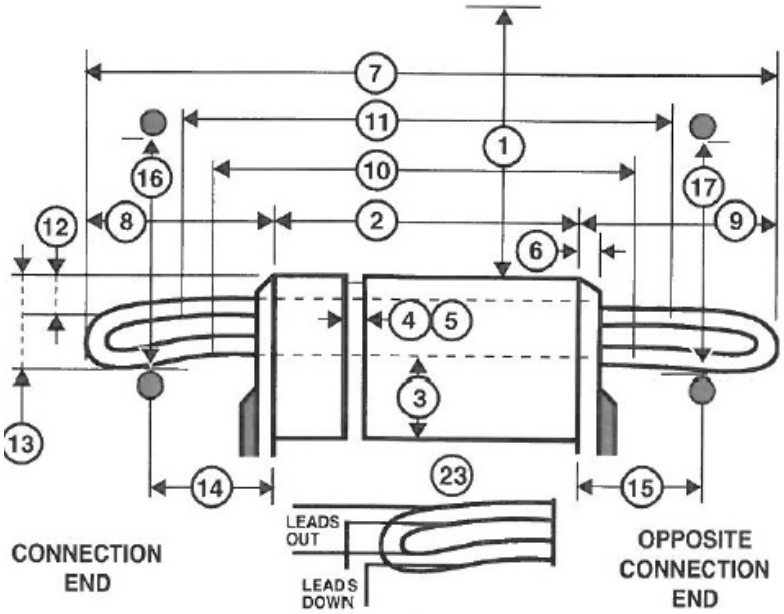
Hermetic	☐	☐
Slot paper used	☐	☐

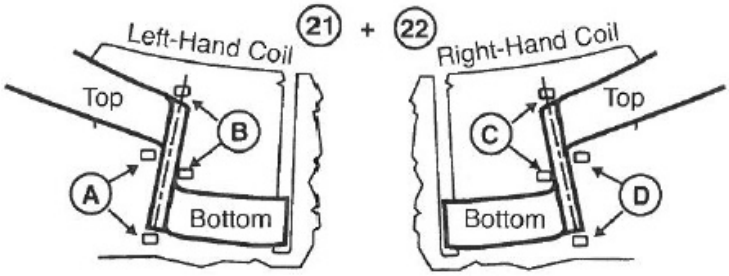
Insulation class ☐ B ☐ F ☐ H

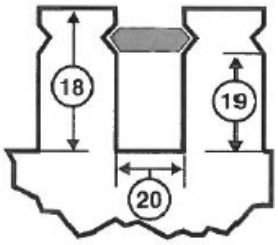
☐ VPI ☐ Dip & Bake ☐ Sealed

☐ Leads taped ☐ Leads sleeved

Comments







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