

#### **Job Information**

Job #: 96272 Date: January 2, 2020

Priority: — Authorized OT: No Authorized by:

**Customer Information** 

Name: AIMS Motor#:

**Name Plate Information** 

Manufacturer: ABB Enclosure: Open Drop Proof Horsepower/kW: 75KW

(ODP)

Serial#: 3G1P171500288 Model#: 31558741 Service Factor:

Frame: 250 Rated RPM: 3600 Rated Voltage: 460

Phase: 3 Rated Amps: 111 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	85.515	0.610	2.496	269			
After burnout	84.723	0.623	2.078	202			

#### Conclusion

Service Tech name: **RHR** 

Service Tech signature:

WEST TENNESSEE CENTRAL ARKANSAS 6812 Lindsey Rd. Little Rock, AR 72206 Phone 501-375-9178 7030 Ryburn Drive

Fax 501-375-4254

Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301



## **Polyphase AC Winding**

Polyphase Date:

Hp/kw:	75KW	RPM:	3600	Poles:	Manufacturer:	ABB
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6 Of 8	Serial#:	3G1P171500288	Phase:	3
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Grouping

Of

Lead marking: Hertz:

Turns/Coil: 56565656 Lead length: C Rise: Frame:

Wire Size 14 17 18 Lead size: Duty: C AMB:

Wire Mult. 10 4 Num.Leads: Eff.: Ins.Cls.:

Pitch 1 to: 18202224 DP TEFC XPRF TENV S.F.:

Connection: 2Y 2D

Core length: 11.375

Core ID: 9.25

Back iron: 2.0

Slot depth: 1.125

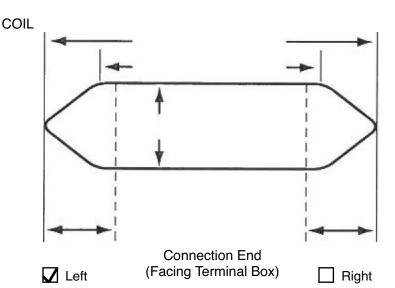
Slot/tooth w: 0.325

Wire weight: 104

Vents: Size

Rotor bars:

Jumper:





Fax 901-873-5301



Single F	has	е		{		t Phas acitor:		 St	tart		] Sta	art & R	un	□ F	⊃erm.	Split		
Hp/kw:	75KW	/		RPM:	3	600			Manuf	acture	er:	ABB						
		Run		Start			Type:							٧	olts:	460		
No. Slots						ľ	Model:		3155874	1					mps:	111		
No. Poles	6						Style:								ertz:			
Coils/pole	)						Form:							Fra	ame:			
Dwg No							C Ris	se:			Hrs.:			Ca	ap. Mf	d.:		
Wire Size	)					s	erial#:	: 3	3G1P17	15002	88							
Wires in par							Du	ty: -	_						3B		SB	
No. Circuits	6						Оре	en: -	_									
Coil Ext						Sta.l	ength:	:					Sta	.b.i.:				
Stator Bore	)																	
			l															
Running																		
Slot No	. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Starting	g 🔲																	
Customer	: A	IMS																

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



#### **AC Stator Form Coil Data**

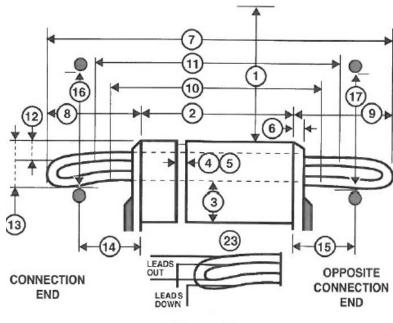
- 1. Core bore diameter
- 2. Total core length
- 3. Back iron
- 4. No. of vents
- 5. Width of vents
- 6. Finger plate width
- 7. Overall coil length
- 8. Connnection end extension
- 9. Opposite Conn. End Ext.
- 10. Straight length bottom side
- 11. Straight length top side
- 12. Small knuckle drop. CE

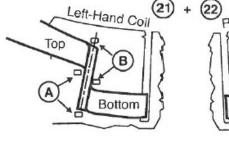
OCE

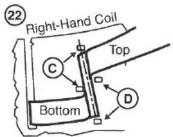
13. Large knuckle drop. CE

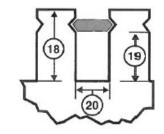
OCE

- 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

23. Coil leads Long# LG

Short# LG

Out Down

24. Jumper —

25. Connection —

26. No. of circuits

27. No. of slots

28. Coil throw

29. Turns per coil

30. Total wires in parallel

31. Bare wire sizes ( ) x

( ) x

32. Strand insulation

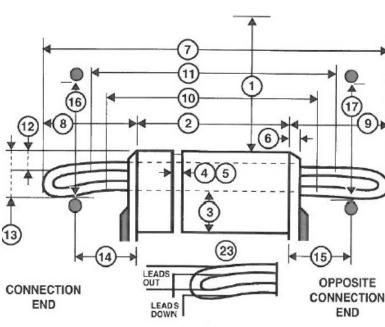
☐ Film ☐ Glass ☐ Mica ☐ Bare ☐ Other

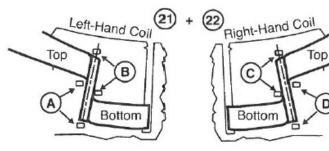
33. Coil weight Lbs.

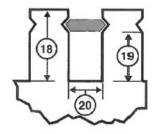
34. Groups of Coils

Groups of Coils

35. Iron skewed Right Left in











# **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	□F	□н			
☐ VPI ☐ Dip 8	& Bake	Sealed			
Leads taped	Leads s	leeved			
Comments					

