

Job Information

Job #: 96365 Date: January 29,

2020

Priority: — Authorized OT: No Authorized by:

Customer Information

Name: Flakeboard Motor#:

Name Plate Information

Manufacturer: Siemens Enclosure: Open Drop Proof Horsepower/kW: 60 HP

(ODP)

Serial#: E05T016ES/1 Model#: 1A03644S42 Service Factor: 1.15

Frame: 364 Rated RPM: 1775 Rated Voltage: 460

Phase: 3 Rated Amps: 71.0 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	85.565	0.556	1.567	185			
After burnout	85.318	0.700	1.734	163			

Conclusion

Service Tech name: RHR /Joshua

Service Tech signature:



Polyphase Date: January 29,

Hertz:

2020

60

Hp/kw: 60 HP RPM: 1775 Poles: 4 Manufacturer: Siemens

Slots: 48 Type: RGZESD Volts: 460

Coils: 24 Model: 1A03644S42 Amps: 71.0

Lead marking:

12 Of 2 Serial#: E05T016ES/1 Phase: 3

Grouping

Of Desired Harking.

Turns/Coil: 14 Lead length: 16 C Rise: Frame: 364

Wire Size 16 17 Lead size: 6 Duty: Cont C AMB: 71.0

Wire Mult. 4 1 Num.Leads: 3 Eff.: Ins.Cls.: F

Pitch 1 to: 11 DP TEFC XPRF TENV S.F.: 1.15

Connection: 2 D

Jumper:

Core length: 9.125

Core ID: 9.125

Back iron: 0.875

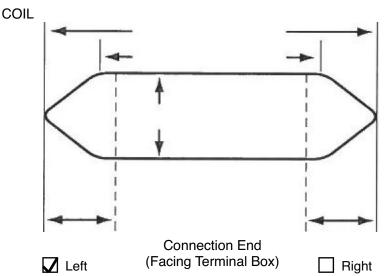
Slot depth: 1.125

Slot/tooth w: 0.284

Wire weight: 86

Vents: Size

Rotor bars:





CENTRAL ARKANSAS



Single Phase			{		t Phas	_	□ □ St	art		☐ Sta	art & R	un	☐ F	Perm.	Split			
Hp/kw:	60 HP	,		RPM:	1	775			Manu	facture	er:	Sieme	ens					
	F	Run		Start			Type:							V	olts:	460		
No. Slots						1	Model:	1	A0364	4S42				Ar	nps:	71.0)	
							Style:							H	ertz:			
No. Poles	5						Form:							Fra	ıme:			
Coils/pole	Э																	
Dwg No							C Ris	e:			Hrs.:			Ca	ap. Mf	d.:		
Wire Size	Э					S	erial#:	E	05T01	6ES/1								
Wires in par	:						Dut	ty: -	_					☐ E	3B		SB	
No. Circuits	S		Open: —															
Coil Ext				Sta.length:					Sta.b.i.:									
Stator Bore	€																	
			ı															
Running	9 🗆																	
Slot No	. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Starting	g 🔲																	
Customer: Flakeboard																		

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AC Stator Form Coil Data

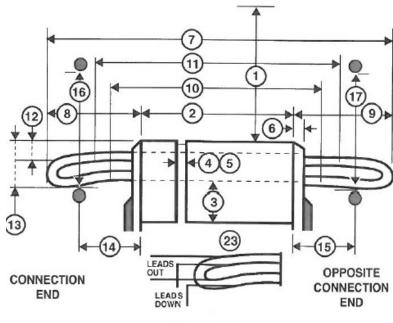
- 1. Core bore diameter
- 2. Total core length
- 3. Back iron
- 4. No. of vents
- 5. Width of vents
- 6. Finger plate width
- 7. Overall coil length
- 8. Connnection end extension
- 9. Opposite Conn. End Ext.
- 10. Straight length bottom side
- 11. Straight length top side
- 12. Small knuckle drop. CE

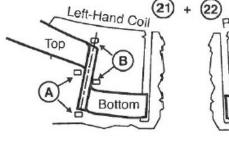
OCE

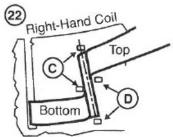
13. Large knuckle drop. CE

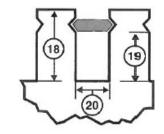
OCE

- 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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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

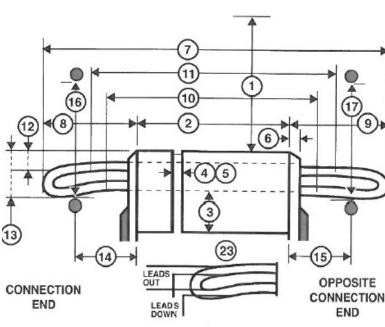
☐ Film ☐ Glass ☐ Mica ☐ Bare ☐ Other

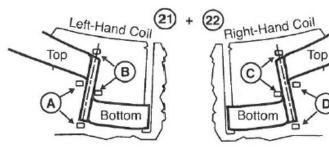
33. Coil weight Lbs.

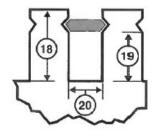
34. Groups of Coils

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 B B H							
☐ VPI ☐ Dip & Bake ☐ Sealed							
Leads taped Leads sleeved							
Comments							

