



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 142542

Date: June 9, 2020

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: KJS

Motor#:

Name Plate Information

Manufacturer: Emerson

Enclosure : Totally Enclosed
Fan Cooled

Horsepower/kW: 25

Serial#: N05-BF35-M

Model#: BF35

Service Factor:

Frame: 284TPA

Rated RPM: 1765

Rated Voltage: 230/460

Phase: 3

Rated Amps: 60/30

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:

WEST TENNESSEE7030 Ryburn Drive
Millington, TN 38053
Phone 901-873-5300
Fax 901-873-5301**CENTRAL ARKANSAS**6812 Lindsey Rd.
Little Rock, AR 72206
Phone 501-375-9178
Fax 501-375-4254



MILLINGTON, TN

LITTLE ROCK, AR

AC Electrical Inspection (Continued)

Core Test Data

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout				
After burnout				

Conclusion

Service Tech name: Shawn

Service Tech signature:

WEST TENNESSEE

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MILLINGTON, TN

LITTLE ROCK, AR

Polyphase AC Winding

Polyphase Date: June 9, 2020

Hp/kw: 25 RPM: 1765 Poles: 4 Manufacturer: Emerson

Slots: 48 Type: Volts: 230/460

Coils: 48 Model: BF35 Amps: 60/30

Grouping 12 Of 4

Serial#: N05-BF35-M

Phase: 3

Lead marking: 1-9 Hertz: 60

Turns/Coil: 23 Lead length: 18 C Rise: Frame: 284TPA

Wire Size 17 18 Lead size: 1214 Duty: C AMB:

Wire Mult. 1 1 Num. Leads: 9 Eff.: Ins. Cls.:

Pitch 1 to: 9 ☐ DP ☒ TEFC ☐ XPRF ☐ TENV S.F.:

Connection: 2&4D pws

Jumper:

Core length: 7.5

Core ID: 6.75

Back iron: 0.830

Slot depth: 1.040

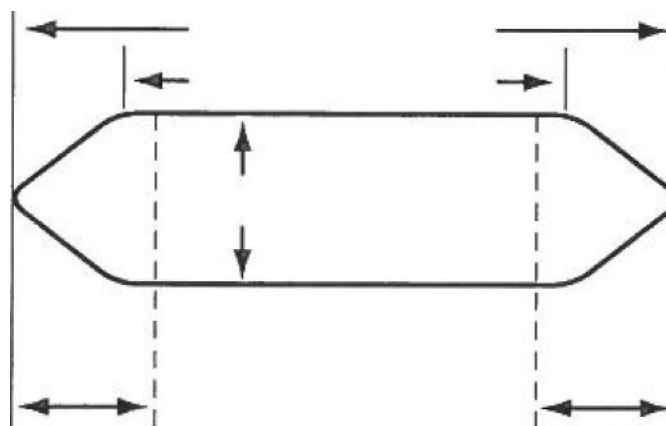
Slot/tooth w: 0.187

Wire weight:

Vents: Size

Rotor bars:

COIL

☐ LeftConnection End
(Facing Terminal Box)☐ Right

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MILLINGTON, TN

LITTLE ROCK, AR

Single Phase

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

Hp/kw: 25

RPM: 1765

Manufacturer: Emerson

Run

Start

Type:

Volts: 230/460

Model: BF35

Amps: 60/30

Style:

Hertz:

Form:

Frame:

No. Slots

No. Poles

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: N05-BF35-M

Wires in par.

Duty: —

☐ BB☐ SB

No. Circuits

Open: —

Coil Ext.

Sta.length:

Sta.b.i.:

Stator Bore

Running ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

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

Starting ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Customer: KJS

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

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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. Connection end extension
9. Opposite Conn. End Ext.
10. Straight length bottom side
11. Straight length top side
12. Small knuckle drop. CE
13. Large knuckle drop. CE
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

OCE

OCE



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


AC Stator Form Coil Data (Continued)

Special Features	Yes	No
Data change	<input type="checkbox"/>	<input type="checkbox"/>
Coil support ring steel	<input type="checkbox"/>	<input type="checkbox"/>
Terrace wound	<input type="checkbox"/>	<input type="checkbox"/>
Corona Protection	<input type="checkbox"/>	<input type="checkbox"/>
RTDs	<input type="checkbox"/>	<input type="checkbox"/>
Ohms Qty		
Hermetic	<input type="checkbox"/>	<input type="checkbox"/>
Slot paper used	<input type="checkbox"/>	<input type="checkbox"/>
Insulation class	<input type="checkbox"/> B <input type="checkbox"/> F <input type="checkbox"/> H	
	<input type="checkbox"/> VPI <input type="checkbox"/> Dip & Bake <input type="checkbox"/> Sealed	
	<input type="checkbox"/> Leads taped <input type="checkbox"/> Leads sleeved	
Comments		

