



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 95974

Date: September 24,
2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Ark Electric

Motor#:

Name Plate Information

Manufacturer:	Toshiba	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	100
Serial#:	90800278	Model#:	B1006VGF4U3	Service Factor:	1.15
Frame:	444T	Rated RPM:	1120	Rated Voltage:	460
Phase:	3	Rated Amps:	123	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 TENNESSEE
7030 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



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AC Electrical Inspection (Continued)

Core Test Data

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout	85.114	0.647	1.909	253
After burnout	85.231	0.691	2.214	273

Conclusion

Service Tech name: RHR

Service Tech signature:

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Polyphase AC Winding

Polyphase Date: September 24, 2019

Hp/kw: 100 RPM: 1120 Poles: 6 Manufacturer: Toshiba

Slots: 72 Type: TIKK Volts: 460

Coils: 72 Model: B1006VGF4U3 Amps: 123

Grouping 18 Of 4 Serial#: 90800278 Phase: 3

Lead marking: Hertz: 60

Turns/Coil: 13 Lead length: 16 C Rise: Frame: 444T

Wire Size 16 Lead size: 2 Duty: C AMB:

Wire Mult. 3 Num.Leads: Eff.: Ins.Cls.:

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

Connection: 3D

Jumper:

Core length: 6.75

Core ID: 13.325

Back iron: 1.5

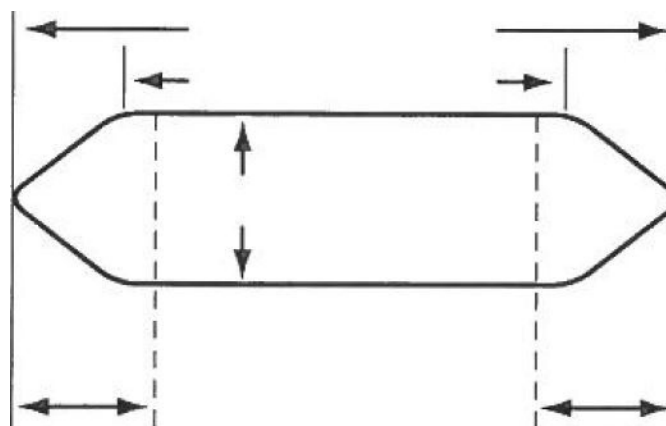
Slot depth: 1.25

Slot/tooth w: 0.284

Wire weight: 72

Vents: Size

COIL


☒ Left

Connection End
(Facing Terminal Box)

☐ Right

Rotor bars:



MILLINGTON, TN

LITTLE ROCK, AR

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

Hp/kw: 100

RPM: 1120

Manufacturer: Toshiba

Run

Start

Type:

Volts: 460

Model: B1006VGF4U3

Amps: 123

Style:

Hertz:

Form:

Frame:

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: 90800278

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: Ark Electric

(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 ☐ ☐

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

