



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 140672

Date:

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: KTG

Motor#:

Name Plate Information

Manufacturer:	ALLEN-BRADLEY	Enclosure :	Totally Enclosed Fan Cooled	Horsepower/kW:	48.4 KW
Serial#:	66174720017	Model#:	HPK-B1609E- MA42AA	Service Factor:	1.0
Frame:	RDL1609Y	Rated RPM:	2965	Rated Voltage:	460/460
Phase:	3	Rated Amps:	88/154	Cycles:	60

Special design: Yes

AC Electrical Inspection

Megs after rewind:	Good	Surge after rewind:	Good	Hi-pot after rewind:	Good
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Core loss:	Good	Thermistors:	None	Thermostat:	None
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RTD:	None	ohms at	degrees C
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Motor Heater(s) Present:	Yes	Qty:	Voltage:	Wattage:
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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



MILLINGTON, TN

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AC Electrical Inspection (Continued)

Core Test Data

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout				
After burnout	83.99	100	0.95	

Conclusion

Service Tech name: Kelly Felts

Service Tech signature:

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Polyphase AC Winding

Polyphase Date: October 15, 2019

Hp/kw: 48.4 KW RPM: 2965 Poles: 2 Manufacturer: ALLEN-BRADLEY
 Slots: 48 Type: L3234A Volts: 460/460
 Coils: 48 Model: HPK-B1609E-MA42AA Amps: 88/154

6 Of 8
 Grouping Of

Serial#: 66174720017 Phase: 3

Lead marking: 1,2,3,P1,P2 Hertz: 60

Turns/Coil: 5 Lead length: 12 C Rise: Frame: ROL1609Y

Wire Size 18 19 Lead size: 4 Duty: C AMB:

Wire Mult. 6 6 Num.Leads: 5 Eff.: Ins.Cls.:

Pitch 1 to: 11 ☐ DP ☒ TEFC ☐ XPRF ☐ TENV S.F.: 1.0

Connection: 2Y

Jumper:

Core length: 8.125

Core ID: 7.250

Back iron: 1.187

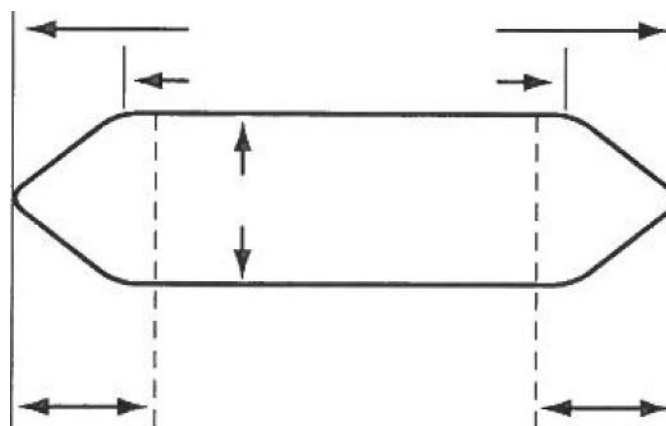
Slot depth: 1.062

Slot/tooth w: 0.218

Wire weight: 50

Vents: 35 Size 12.4

COIL



☐ Left

Connection End
(Facing Terminal Box)

☐ Right

Rotor bars:



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LITTLE ROCK, AR

Single Phase

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

Hp/kw: 48.4 KW

RPM: 2965

Manufacturer: ALLEN-BRADLEY

Run

Start

Type:

Volts: 460/460

Model: HPK-B1609E-MA42AA

Amps: 88/154

Style:

Hertz:

Form:

Frame:

No. Slots

No. Poles

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: 66174720017

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: KTG

(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

#35@12.4

