



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 139406

Date: April 10, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Memphis Light, Gas & Water

Motor#:

Name Plate Information

Manufacturer:	US	Enclosure :	Weather Protected I (WPI)	Horsepower/kW:	150
Serial#:	W04W0360270R-2	Model#:	869092	Service Factor:	
Frame:	445TP	Rated RPM:	1185	Rated Voltage:	460
Phase:	3	Rated Amps:	174.5	Cycles:	60

Special design: No

AC Electrical Inspection

Megs after rewind: Bad Surge after rewind: Bad Hi-pot after rewind: Bad

Core loss: Good Thermistors: None Thermostat: None

RTD: None ohms at degrees C

Motor Heater(s) Present: Yes Qty: 2 Voltage: 115 Wattage: 96

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	84.81	26	1.02	

Conclusion

Service Tech name: Kelly Felts

Service Tech signature:

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Polyphase AC Winding

First Speed

Polyphase Date: April 10, 2019

Hp/kw: 150 RPM: 1185

Manufacturer: US

Slots: 72 Poles: 6

Type:

Volts: 460

Coils: 72

Model: 869092

Amps: 174.5

Serial#: W04W0360270R-2

Phase: 3

18 Of 4
Grouping
Of

Lead marking:

1,2,3 Hertz: 60

Turns/Coil: 9

Lead length: 14 C Rise: Frame: 445TP

Wire Size 16 17

Lead size: 1 Duty: WPI C AMB:

Wire Mult. 4 3

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

Pitch 1 to: 11

☐ DP ☐ TEFC ☐ XPRF ☐ TENV S.F.:

Connection: 3 D

Jumper:

Core length: 12.50

Core ID: 14.75

Back iron: 0.875

Slot depth: 1.25

Slot/tooth w: 0.27

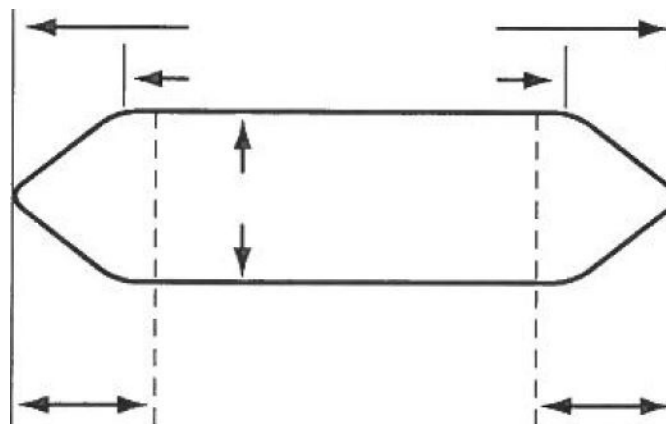
Wire weight: 170

Slot: 17.2

Tip: 1.8

Pitch: 6.4

COIL


☐ Left

Connection End
(Facing Terminal Box)

☐ Right



MILLINGTON, TN

LITTLE ROCK, AR

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

Hp/kw: 150

RPM: 1185

Manufacturer: US

Run

Start

Type:

Volts: 460

Model: 869092

Amps: 174.5

Style:

Hertz:

Form:

Frame:

No. Slots

No. Poles

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: W04W0360270R-2

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: Memphis Light, Gas & Water

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

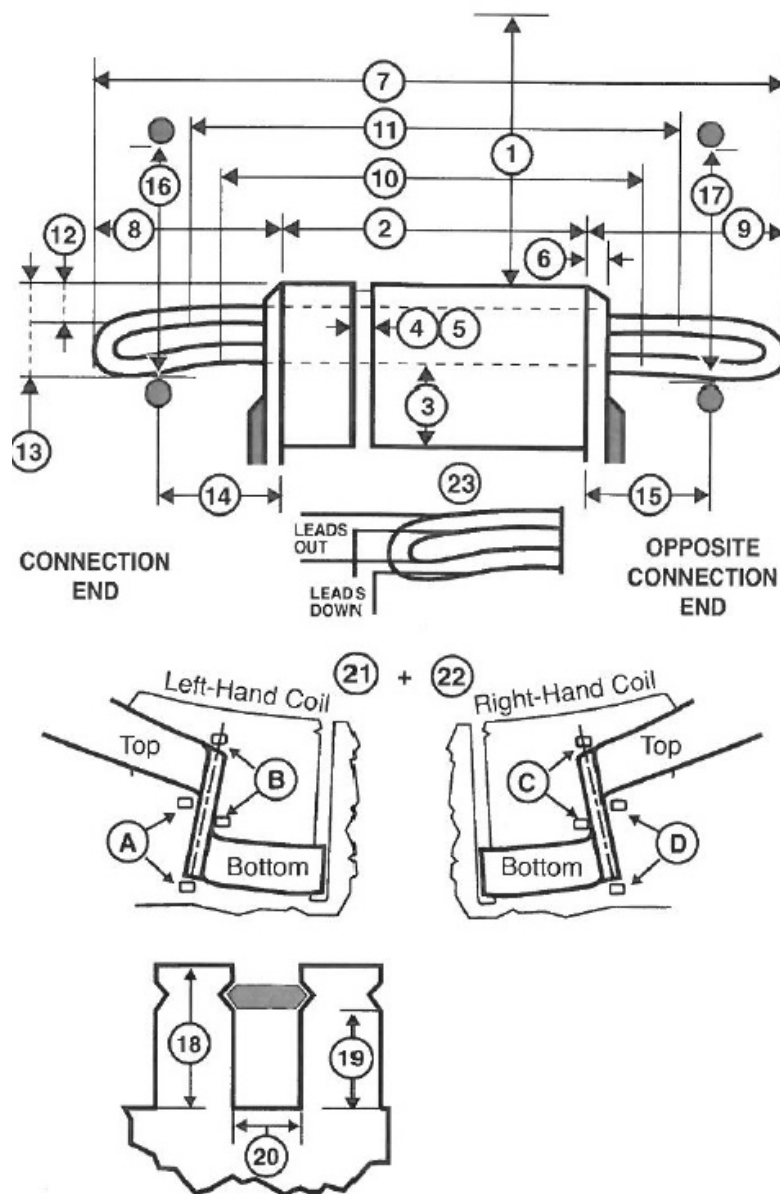
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AC Stator Form Coil Data

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

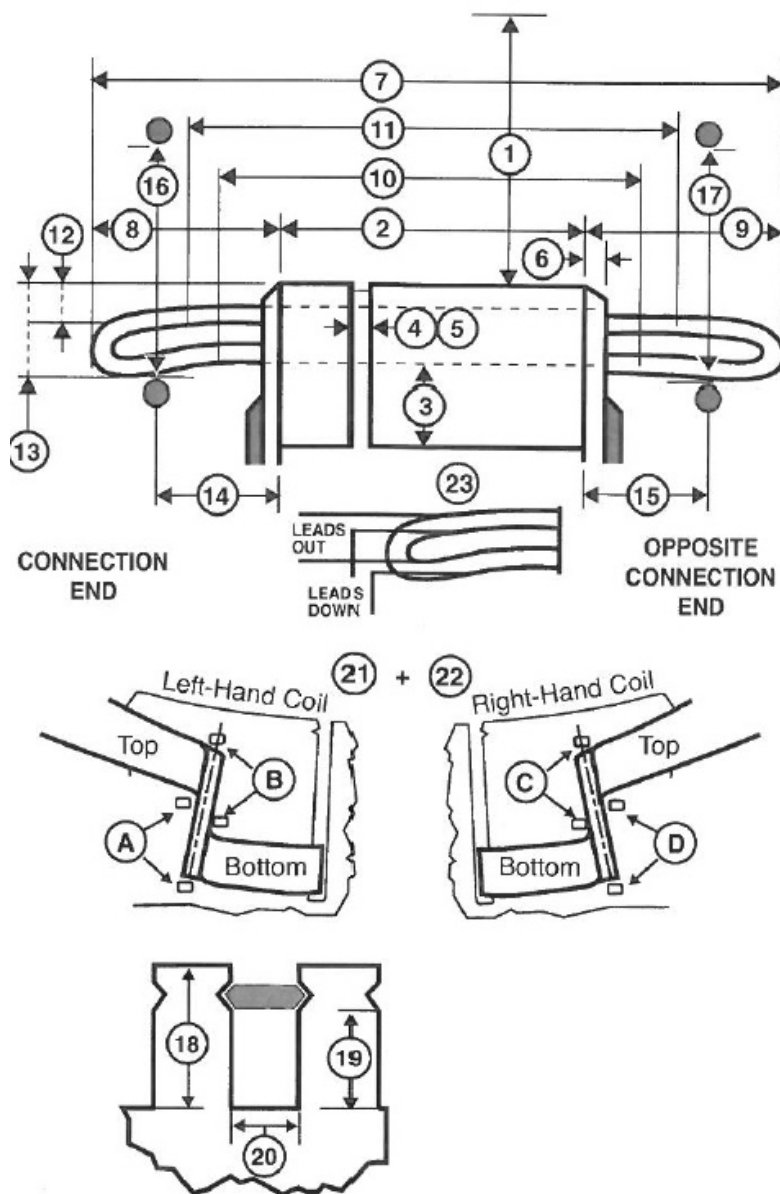
32. Strand insulation

☐ 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

