



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 139643

Date: May 13, 2019

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: Barnhart

Motor#:

## Name Plate Information

Manufacturer:	P&H	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	125
Serial#:	271594-A576	Model#:	HEW505X	Service Factor:	
Frame:	HEW505X	Rated RPM:	1180	Rated Voltage:	460
Phase:	3	Rated Amps:	279/139.5	Cycles:	60

Special design: No

## 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.  
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Phone 501-375-9178  
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## AC Electrical Inspection (Continued)

### Core Test Data

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout				
After burnout	85.01	620	1.97	8

## Conclusion

Service Tech name: KEV F

Service Tech signature:

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# Polyphase AC Winding

First Speed

Polyphase Date:

Hp/kw: 125 RPM: 1180

Manufacturer: P&amp;H

Slots: 72 Poles: 6

Type:

Volts: 460

Coils: 72

Model: HEW505X

Amps: 279/139.5

Serial#: 271594-A576

Phase: 3

Lead marking:

Hertz:

18 Of 4  
Grouping  
Of

Turns/Coil: 10

Lead length: 18 C Rise: Frame: HEW505X

Wire Size 15 16

Lead size: 2 Duty: C AMB:

Wire Mult. 2 2

Num.Leads: 9 Eff.: Ins.Cls.:

Pitch 1 to: 10

☐ DP ☒ TEFC ☐ XPRF ☐ TENV S.F.:

Connection: 3&amp;6D

Jumper:

Core length: 10.75

Core ID: 15.5

Back iron: 1.375

Slot depth: 1.312

Slot/tooth w: 0.312

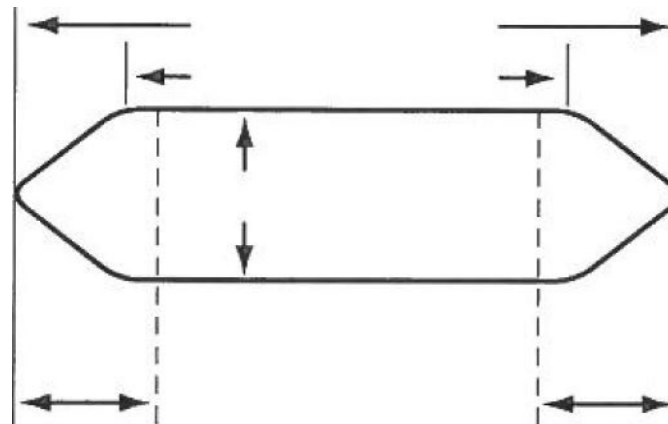
Wire weight: 112

Slot:

Tip:

Pitch:

COIL


☐ Left

Connection End  
(Facing Terminal Box)

☐ Right



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**Single Phase**

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

Hp/kw: 125

RPM: 1180

Manufacturer: P&amp;H

Run

Start

Type:

Volts: 460

Model: HEW505X

Amps: 279/139.5

Style:

Hertz:

Form:

Frame:

No. Slots

No. Poles

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: 271594-A576

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: Barnhart

(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
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Data change	<input type="checkbox"/>	<input type="checkbox"/>
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Coil support ring steel	<input type="checkbox"/>	<input type="checkbox"/>
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Terrace wound	<input type="checkbox"/>	<input type="checkbox"/>
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Corona Protection	<input type="checkbox"/>	<input type="checkbox"/>
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RTDs	<input type="checkbox"/>	<input type="checkbox"/>
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Ohms Qty		
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Hermetic	<input type="checkbox"/>	<input type="checkbox"/>
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Slot paper used	<input type="checkbox"/>	<input type="checkbox"/>
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Insulation class	<input type="checkbox"/> B	<input type="checkbox"/> F	<input type="checkbox"/> H
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<input type="checkbox"/> VPI	<input type="checkbox"/> Dip & Bake	<input type="checkbox"/> Sealed
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<input type="checkbox"/> Leads taped	<input type="checkbox"/> Leads sleeved
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Comments

