



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 96703

Date: April 7, 2020

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: 3M

Motor#:

## Name Plate Information

Manufacturer: R&amp;K Hoist

Enclosure : Open Drop Proof (ODP)

Horsepower/kW: 60

Serial#: 119027-18A-1163

Model#:

Service Factor:

Frame: HEW505

Rated RPM: 875

Rated Voltage: 440

Phase: 3

Rated Amps: 81

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)

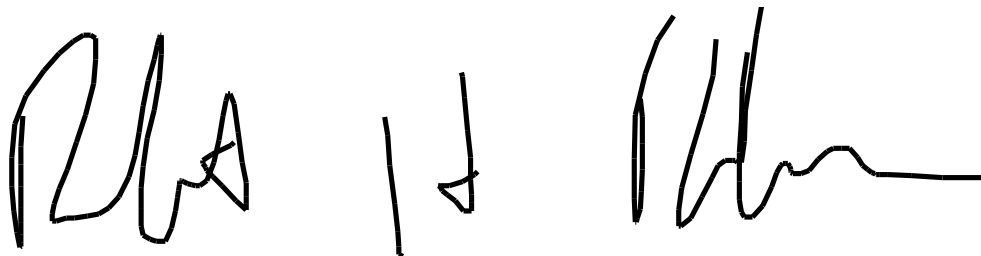
### Core Test Data

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout				
After burnout	85.116	0.503	1.601	318

## Conclusion

Service Tech name: RHR

Service Tech signature:



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# Polyphase AC Winding

Polyphase Date: April 7, 2020

Hp/kw:	60	RPM:	875	Poles:	8	Manufacturer:	R&K Hoist
Slots:	72	Type:		Volts:	440		
Coils:	72	Model:		Amps:	81		
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 24 Of 3 Grouping Of </div>		Serial#:	119027-18A-1163	Phase:	3		
		Lead marking:		Hertz:	60		

Turns/Coil:	9	Lead length:	16	C Rise:		Frame:	HEW505
Wire Size	15	Lead size:	2	Duty:		C AMB:	
Wire Mult.	4	Num.Leads:	3	Eff.:		Ins.Cls.:	
Pitch 1 to:	8	<input type="checkbox"/> DP <input type="checkbox"/> TEFC <input type="checkbox"/> XPRF <input type="checkbox"/> TENV    S.F.:					

Connection: 2D

Jumper:

Core length: 9.5

Core ID: 15.5

Back iron: 1.25

Slot depth: 1.375

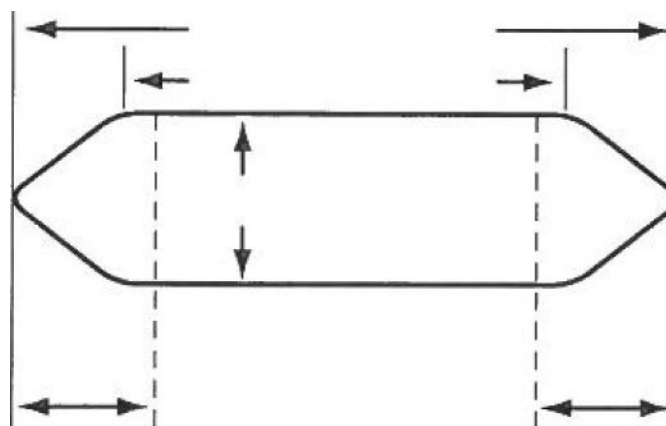
Slot/tooth w: 0.284

Wire weight: 84

Vents: Size

Rotor bars:

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: 60

RPM: 875

Manufacturer: R&amp;K Hoist

Run

Start

Type:

Volts: 440

Model:

Amps: 81

Style:

Hertz:

Form:

Frame:

No. Slots

No. Poles

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: 119027-18A-1163

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: 3M

(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

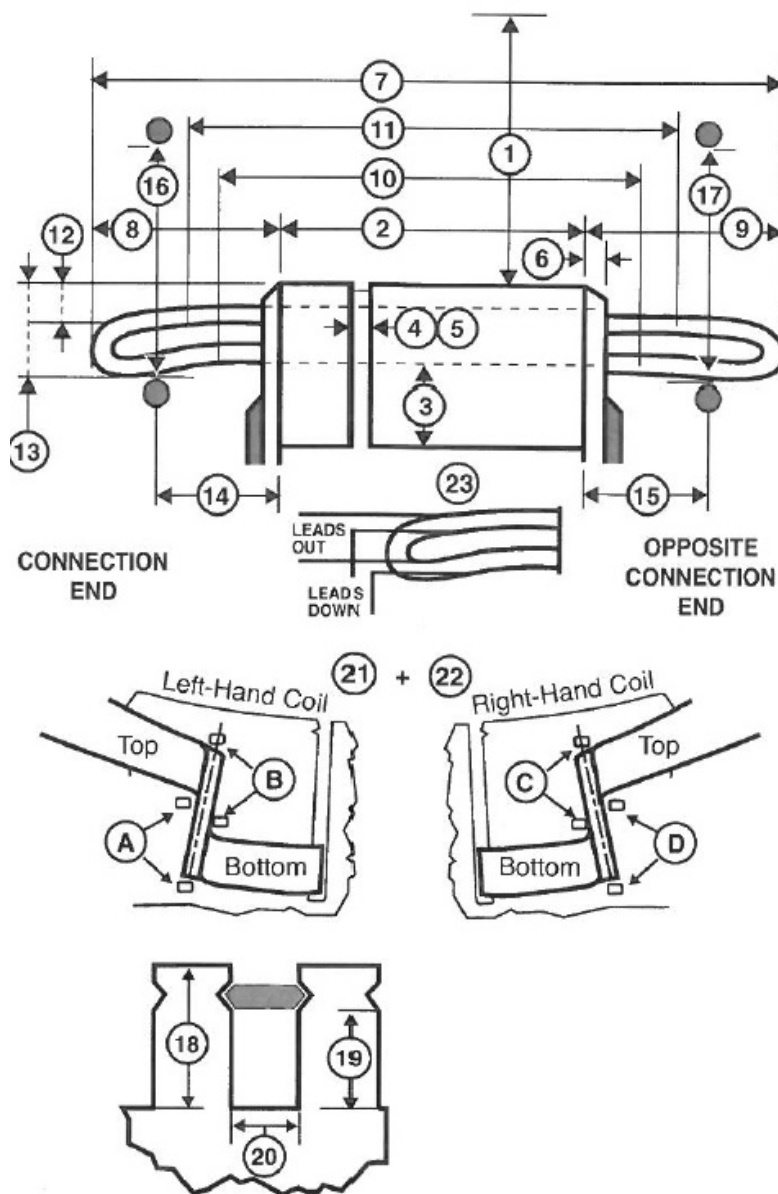
32. Strand insulation

☐ 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

