# Job Information

Job #:    140626

Date:    September 19, 2019

Priority:    —

Authorized OT:    No

Authorized by:

# Customer Information

Name:

Motor#:    140626

# Name Plate Information

| Manufacturer: | Hawkeye | Enclosure : | Open Drop Proof (ODP) | Horsepower/kW: | 5.8 |
|---|---|---|---|---|---|
| Serial#: | 161336738 | Model#: | ITV-VR/36-11000 | Service Factor: | |
| Frame: | | Rated RPM: | 3600 | Rated Voltage: | 230/460 |
| Phase: | 3 | Rated Amps: | 13.8/6.9 | Cycles: | |
| 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:    No

Qty:

Voltage:

Wattage:

# AC Electrical Inspection (Continued)

**Core Test Data**

|  | Flux | Watts | Watts loss per lb | Condition of iron |
|---|---|---|---|---|
| Before burnout |  |  |  |  |
| After burnout | 85.75 | 60 | 2.43 | 10 |

# Conclusion

Service Tech name:    Shawn

Service Tech signature:

**WEST TENNESSEE**
7030 Ryburn Drive
Millington, TN 38053
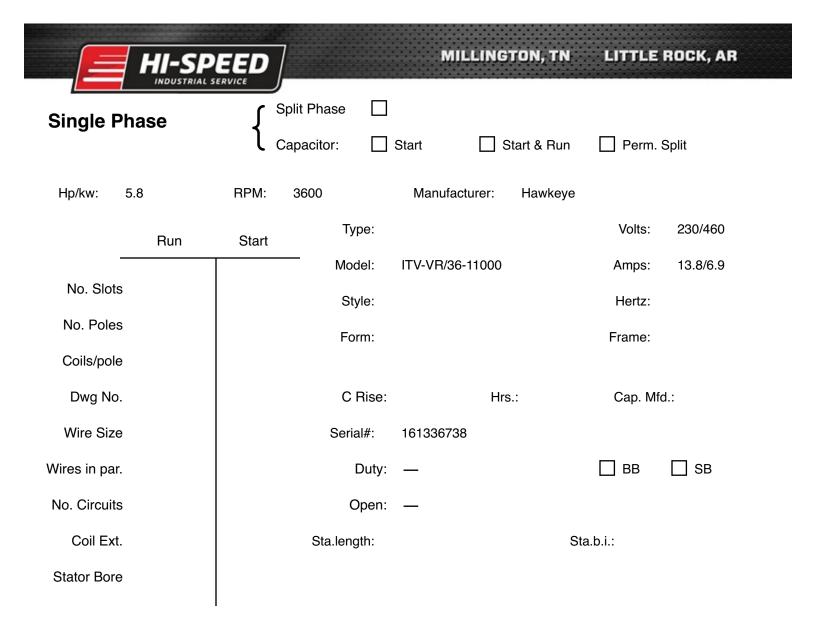Phone 901-873-5300
Fax 901-873-5301

**CENTRAL ARKANSAS**
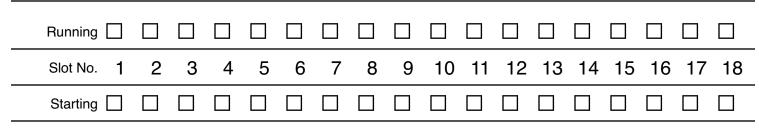6812 Lindsey Rd.
Little Rock, AR 72206
Phone 501-375-9178
Fax 501-375-4254

# Polyphase AC Winding

Polyphase Date:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Hp/kw: | 5.8 | RPM: | 3600 | Poles: | 2 | Manufacturer: | Hawkeye | |
| Slots: | 36 | Type: | | | | Volts: | 230/460 | |
| Coils: | 36 | Model: | ITV-VR/36-11000 | | | Amps: | 13.8/6.9 | |

| 6 | Of | 6 |
|---|---|---|
| Grouping | | |
| | Of | |

Serial#:   161336738   Phase: 3

Lead marking:   1-9   Hertz:

| | | | | | | |
|---|---|---|---|---|---|---|
| Turns/Coil: | 12 | Lead length: | 12 | C Rise: | Frame: | |
| Wire Size | 20 | 21 | Lead size: | 16 | Duty: | C AMB: |
| Wire Mult. | 1 | 2 | Num.Leads: | 9 | Eff.: | Ins.Cls.: |
| Pitch 1 to: | 15 | | | | | |

☐ DP   ☐ TEFC   ☐ XPRF   ☐ TENV   S.F.:

| | |
|---|---|
| Connection: | 1Y&2Y |
| Jumper: | |
| Core length: | 5.500 |
| Core ID: | 4.00 |
| Back iron: | 0.687 |
| Slot depth: | 0.687 |
| Slot/tooth w: | 0.187 |
| Wire weight: | 12 |
| Vents: | Size |
| Rotor bars: | |

COIL



Connection End
(Facing Terminal Box)

☐ Left                    ☐ Right

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EASA — The Electro•Mechanical Authority

## Single Phase

{ Split Phase ☐

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

| Hp/kw: | 5.8 | RPM: | 3600 | Manufacturer: | Hawkeye |
|---|---|---|---|---|---|

|  | Run | Start | Type: |  | Volts: | 230/460 |
|---|---|---|---|---|---|---|
| No. Slots |  |  | Model: ITV-VR/36-11000 |  | Amps: | 13.8/6.9 |
| No. Poles |  |  | Style: |  | Hertz: |  |
| Coils/pole |  |  | Form: |  | Frame: |  |
| Dwg No. |  |  | C Rise: | Hrs.: | Cap. Mfd.: |  |
| Wire Size |  |  | Serial#: 161336738 |  |  |  |
| 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:

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

# 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. Connnection end extension

9. Opposite Conn. End Ext.

10. Straight length bottom side

11. Straight length top side

12. Small knuckle drop. CE                    OCE

13. Large knuckle drop. CE                    OCE

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

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# 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 ____

| | Yes | No |
|---|---|---|
| Hermetic | ☐ | ☐ |
| Slot paper used | ☐ | ☐ |

Insulation class  ☐ B   ☐ F   ☐ H

☐ VPI   ☐ Dip & Bake   ☐ Sealed

☐ Leads taped   ☐ Leads sleeved

Comments

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