

Job Information

| Job #: | 141954 | | | | Date: | April 2, 2020 |
|----------------------|--------|----------------|----|----------------|-------|---------------|
| Priority: | _ | Authorized OT: | No | Authorized by: | | |
| Customer Information | | | | | | |

Name: Hershey Motor#:

Name Plate Information

| Manufacturer: | Baldor | Enclosure : | Open Drop Proof (ODP) | Horsepower/kW: | 250 |
|---------------|----------|-------------|--------------------------|-----------------|-----|
| Serial#: | Z44G4229 | Model#: | | Service Factor: | |
| Frame: | 445TDZ | Rated RPM: | 1780 | Rated Voltage: | 460 |
| Phase: | 3 | Rated Amps: | 292 | Cycles: | 60 |

Special design: No

AC Electrical Inspection

| Megs aft | er rewind: G | Good | Surge afte | er rewind: Good | Hi-pot after rewind: | Good |
|------------|----------------|------|--------------|-----------------|----------------------|------|
| Core loss: | Good | | Thermistors: | None | Thermostat: None | |
| RTD: | None | | | ohms at | degrees C | |
| Motor Heat | er(s) Present: | No | Qty: | Voltage: | Wattage: | |

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AC Electrical Inspection (Continued)

Core Test Data

| | Flux | Watts | Watts loss per lb | Condition of iron |
|----------------|------|-------|-------------------|-------------------|
| Before burnout | | | | |
| After burnout | 85.2 | 470 | 1.37 | 9 |

Conclusion

Service Tech name: Shawn

Service Tech signature:

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MILLINGTON, TN LITTLE ROCK, AR

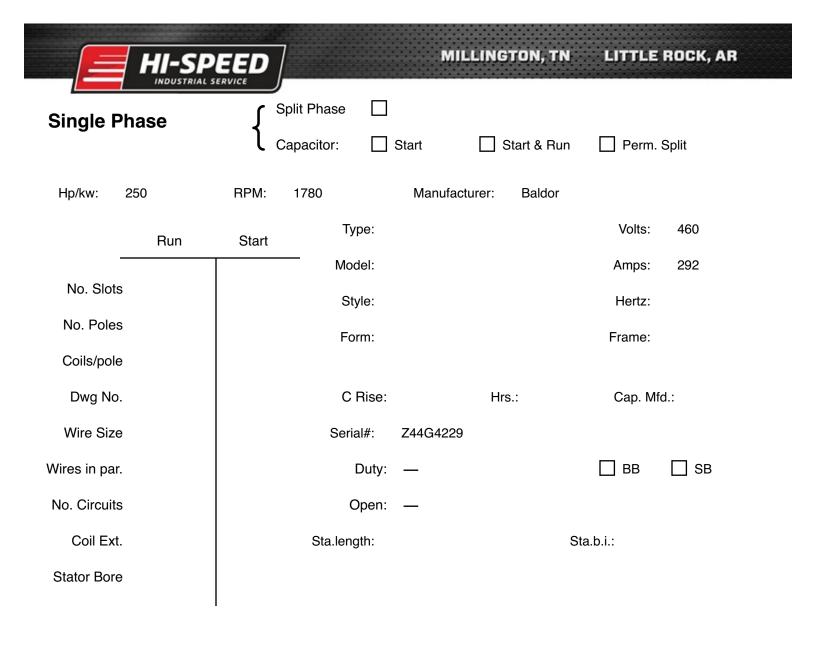
Polyphase Date:

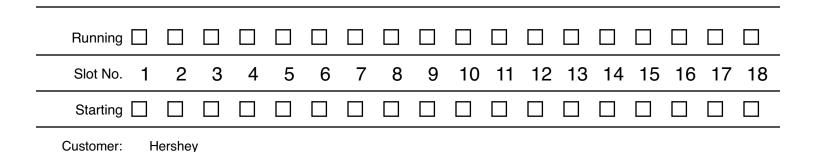
Polyphase AC Winding

4 Manufacturer: Hp/kw: 250 RPM: 1780 Poles: Baldor 72 Slots: Volts: 460 Type: Coils: 72 Model: Amps: 292 12 Of 6 Serial#: Z44G4229 Phase: 3 Grouping Lead marking: 1-6 Hertz: Of Turns/Coil: 5 Lead length: 72 C Rise: Frame: Wire Size Lead size: Duty: C AMB: 17 Wire Mult. 16 Num.Leads: 6 Eff.: Ins.Cls.: DP 13 TEFC XPRF TENV Pitch 1 to: S.F.: Connection: 2Y2D COIL Jumper: Core length: 9.5 13.0 Core ID: Back iron: 1.86 Slot depth: 1.63 Slot/tooth w: 0.302 **Connection End** Wire weight: 156 (Facing Terminal Box) Left Right Vents: Size Rotor bars:

The Electro•Mechanical Authority

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

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MILLINGTON, TN LITTLE ROCK, AR

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
- 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







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OCE

MILLINGTON, TN LITTLE ROCK, AR

| AC Stator For | m Coil Data (Co | ontinued) | | | - |
|---|---|--------------|---------|-----------------|----------------------------------|
| 21. Lead location | 🗌 А 🗌 В 🗌 |] C 🗌 D | | | |
| 22. Coil type | Left hand |] Right hand | 16 | (1) (1) | |
| 23. Coil leads | Long# LG | | 12 18 | 2 | |
| | Short# LG | | | | 5 |
| | Out | Down | 1 | | |
| 24. Jumper | _ | | 13 | | 23 4-(15-> |
| 25. Connection | - | | | | OPPOSITE |
| 26. No. of circuits | | | END | LEADS | CONNECTION |
| 27. No. of slots | | | Left-Ha | and Coil 21 + 2 | Right-Hand Coil |
| 28. Coil throw | 1- | | Top | B | Тор |
| 29. Turns per coil | | | A | \sim | |
| 30. Total wires in para | allel | | | Bottom | Bottom |
| 31. Bare wire sizes | (|) x | 514 | | |
| | (|) x | | 19 | |
| 32. Strand insulation | Mica Bare | Other | | | |
| 33. Coil weight | Lt | DS. | | | |
| 34. Gr | oups of | Coils | | | EASA |
| Gr | oups of | Coils | | | The Electro•Mechanical Authority |
| 35. Iron skewed | Right 🗌 Left | in | | | |
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HI-SPEED



AC Stator Form Coil Data (Continued)



Comments





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