



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 142054

Date: March 23, 2020

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Process and Power

Motor#:

Name Plate Information

Manufacturer:	Marathon	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	200
Serial#:	39477922	Model#:	7B445TSDS8227B N	Service Factor:	
Frame:	445TDZ	Rated RPM:	1780	Rated Voltage:	460
Phase:	3	Rated Amps:	231	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: No 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



MILLINGTON, TN

LITTLE ROCK, AR

AC Electrical Inspection (Continued)

Core Test Data

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout				
After burnout	84.76	720	2.30	9

Conclusion

Service Tech name: Shawn

Service Tech signature:

WEST TENNESSEE

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Polyphase AC Winding

Polyphase Date:

Hp/kw: 200

RPM: 1780

Poles:

4 Manufacturer: Marathon

Slots: 60

Type:

Volts: 460

Coils: 60

Model: 7B445TSDS8227BN

Amps: 231

12 Of 5

Grouping

Of

Serial#: 39477922

Phase: 3

Lead marking:

1-6 Hertz: 60

Turns/Coil: 6

Lead length: 56

C Rise:

Frame: 445TDZ

Wire Size 16 17

Lead size: 1

Duty:

C AMB:

Wire Mult. 5 6

Num. Leads: 6

Eff.:

Ins. Cls.:

Pitch 1 to: 12

☒ DP ☐ TEFC ☐ XPRF ☐ TENV S.F.:

Connection: 2Y2D

Jumper:

Core length: 9.750

Core ID: 12.250

Back iron: 1.750

Slot depth: 1.600

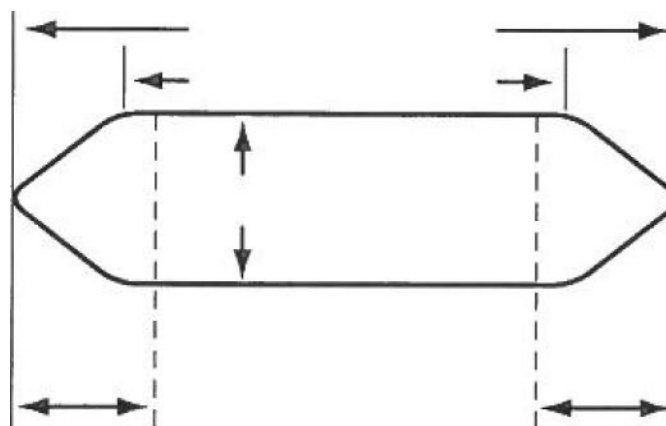
Slot/tooth w: 0.325

Wire weight: 121

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: 200

RPM: 1780

Manufacturer: Marathon

	Run	Start	Type:	Volts:	460
No. Slots			Model: 7B445TSDS8227BN	Amps:	231
No. Poles			Style:	Hertz:	
Coils/pole			Form:	Frame:	
Dwg No.			C Rise:	Hrs.:	Cap. Mfd.:
Wire Size			Serial#: 39477922		
Wires in par.			Duty: —	<input type="checkbox"/> BB	<input type="checkbox"/> SB
No. Circuits			Open: —		
Coil Ext.			Sta.length:	Sta.b.i.:	
Stator Bore					

Running	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Slot No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Starting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Customer: Process and Power

(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

