

## **Job Information**

Job #:	94341				Date:	June 25, 2018
Priority:	_	Authorized OT:	No	Authorized by:		
Customer	Information					
Name:	American. Rail are			Motor#	:	
Name Plat	e Information					
Manufacturer:	Bald or	Enclosure :	Open Drop Proof (ODP)	Horsepower	/kW:	350

Serial#:	N0507280012	Model#:	18D051X995	Service Factor:	1.15
Frame:	447T	Rated RPM:	1780	Rated Voltage:	460
Phase:	3	Rated Amps:	380	Cycles:	60

Special design: No

# **AC Electrical Inspection**

Megs aft	er rewind:	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:	Yes	Qty:	Voltage:	Wattage:	

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## MILLINGTON, TN LITTLE ROCK, AR

### **AC Electrical Inspection (Continued)**

RHR

### **Core Test Data**

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout				
After burnout				

### Conclusion

Service Tech name:

Service Tech signature:

W I & Mm

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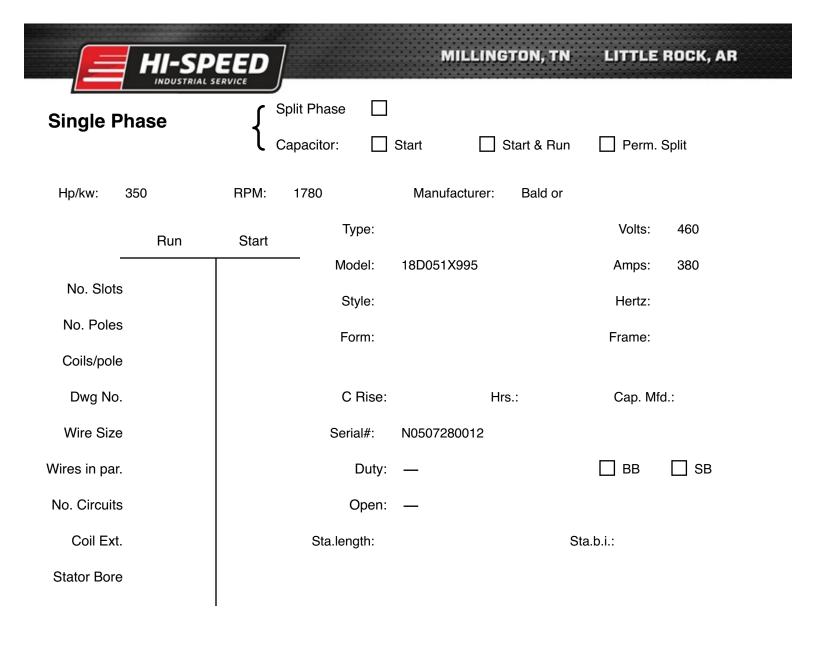


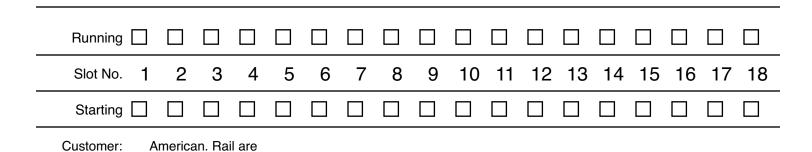
#### MILLINGTON, TN LITTLE ROCK, AR

## **Polyphase AC Winding**

Polyph	ase A	C Winding			Polyphase Date:	June 25, 2018
Hp/kw:	350	RPM:	1780	Poles:	4 Manufacturer:	Bald or
Slots:		60	Туре:		Volts:	460
Coils:		60	Model:	18D051X995	Amps:	380
	12	Of 5	Serial#:	N0507280012	Phase:	3
Groupin	g	Of	Lead marking:		Hertz:	60
Turns/Coil:		4	Lead length:	2 C Rise:	Frame:	447T
Wire Size	15	16	Lead size:	Duty:	Cont C AMB:	
Wire Mult.	1	19	Num.Leads:	123456 Eff.:	Ins.Cls.:	
Pitch 1 to:		14		TEFC XPRF	TENV S.F.:	1.15
Connection:		2Y2D	COIL			
Jumper:			-			
Core length:		15.875	/			
Core ID:		12.5	$\langle$	† T		
Back iron:		1.5		<u> </u>		
Slot depth:		1.5		1		
Slot/tooth w:		0.280	4	►Ì	<b> </b> ← →	
Wire weight:		228	Left	Connection (Facing Termir		
Vents:		Size				
Rotor bars:					The Electro	o-Mechanical Authority

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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

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### **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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