

Job Information

Job #:	94458			Date:	August 30, 2018
Priority:	_	Authorized OT:	No	Authorized by:	
Customer	Information				
Name:	Hardwick Group			Motor#:	
Name Plat	te Information				
Manufacturer:	Bald or	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	75
Serial#:	C1001220423	Model#:	BY796180	Service Factor:	1.00
Frame:	365T	Rated RPM:	1780	Rated Voltage:	230/460
Phase:	3	Rated Amps:	170/85	Cycles:	60
Special designs	No				

Special design: No

AC Electrical Inspection

Megs afte	er rewind:	Good	Surge afte	er rewind: Good	Hi-pot after	rewind: Good
Core loss:	Good		Thermistors:	None	Thermostat:	None
RTD:	None			ohms at	de	grees C
Motor Heat	er(s) Present	:: Yes	Qty:	Voltage:	Wattag	e:

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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:

RAA H KAM

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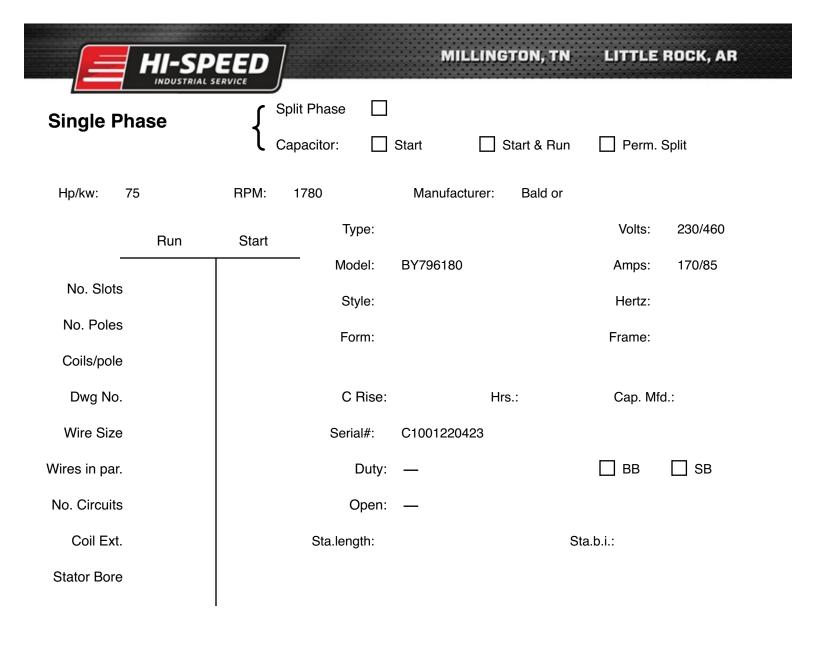


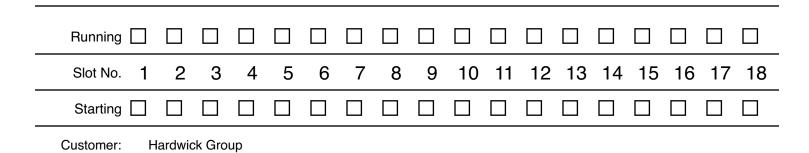
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Polyphase AC Winding

Polyph	ase A	C W	inding				Polypha	se Date:	August 30, 2	2018
Hp/kw:	75		RPM:	1780	Poles:		4 Manu	facturer:	Bald or	
Slots:			48	Туре:			CATM7068T	Volts:	230/460	
Coils:			48	Model:	BY796180)		Amps:	170/85	
	12	Of	4	Serial#:	C1001220)423		Phase:	3	
Groupir	ng	Of		Lead marking:			1-9	Hertz:		60
Turns/Coil:			6767	Lead length:	1	C Rise:		Frame:		365T
Wire Size	15	16		Lead size:	6	Duty:	CONT	C AMB:		
Wire Mult.	6	4		Num.Leads:	9	Eff.:		Ins.Cls.:		
Pitch 1 to:			12		TEFC [XPRF	TENV	S.F.:		1.00
Connection:			2&4Y	COIL						
Jumper:				-				1		
Core length:			9.375	/				-		
Core ID:			9.50	\langle	¦ T		I		×	
Back iron:			1.25		4		 			
Slot depth:			1.5				1			
Slot/tooth w:			0.290		►i		i	◄→		
Wire weight:			108	🔽 Left		Connection		Right		
Vents:		Siz	e							2
Rotor bars:								The Electr	o-Mechanical Autho	2 prity

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(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. 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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