

## **Job Information**

Job #:	95915				Date:	October 28, 2019
Priority:	_	Authorized OT:	No	Authorized by:		
Customer	Information					
Name:				Motor#	:	
Name Plate	e Information					
Manufacturer:	Reliance	Enclosure :	Open Drop Proof (ODP)	Horsepower	/kW:	1.5
Serial#:	00000019	Model#:	P18G7185DMY	Service Fa	ctor:	1.0
Frame:	182TDZ	Rated RPM:	1755	Rated Volt	age:	460
Phase:	3	Rated Amps:	2.5	Cy	cles:	60
	NI-					

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

#### **Core Test Data**

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout				
After burnout	84.632	0.719	2.609	133

#### Conclusion

Service Tech name: RHR

Service Tech signature:

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### MILLINGTON, TN LITTLE ROCK, AR

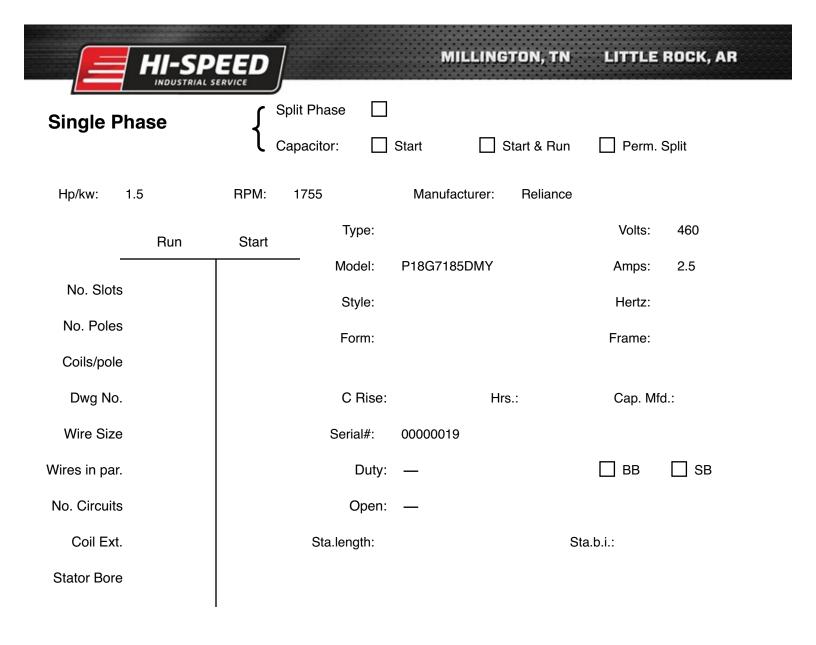
Polyphase Date:

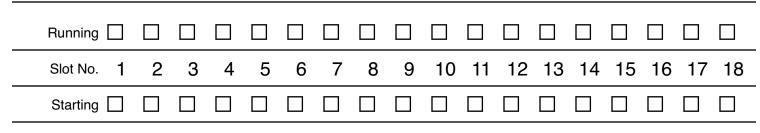
October 28,

## **Polyphase AC Winding**

Polypin	ase A				Polyphase Date.	2019
Hp/kw:	1.5	RPM:	1755	Poles:	4 Manufacturer:	Reliance
Slots:		36	Туре:		P Volts:	460
Coils:		36	Model:	P18G7185DMY	Amps:	2.5
	12	Of 3	Serial#:	00000019	Phase:	3
Groupin	g	Of	Lead marking:		Hertz:	60
Turns/Coil:		36	Lead length:	1 C Rise:	Frame:	182TDZ
Wire Size	20		Lead size:	16 Duty:	C AMB:	
Wire Mult.	1		Num.Leads:	3 Eff.:	Ins.Cls.:	
Pitch 1 to:		8	DP	TEFC 🗌 XPRF	TENV S.F.:	1.0
Connection:		1Y	COIL			
Jumper:			-			
Core length:		1.875	/			
Core ID:		4.75	$\langle$			>
Back iron:		0.625				
Slot depth:		0.625				
Slot/tooth w:		0.284		▶	<b> </b> ← →	
Wire weight:		4	🔽 Left	Connection (Facing Termir		
Vents:		Size				
Rotor bars:					The Electr	o-Mechanical Authority

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Customer:

(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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#### **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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