

Job Information

Job #:	94021			Date:	April 3, 2018
Priority:	_	Authorized OT:	No	Authorized by:	
Customer	Information				
Name:	St. Gobain			Motor#:	
Name Plat	e Information				
Manufacturer:	Baldor/Reliance	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	300
Serial#:	A1209272020	Model#:	Z44G4243	Service Factor:	1.15
Frame:	449TDZ	Rated RPM:	1785	Rated Voltage:	460
Phase:	3	Rated Amps:	334	Cycles:	60

Special design: No

AC Electrical Inspection

Megs aft	er rewind:	Good	Surge after	er rewind: Good	Hi-pot after rewind:	Good
Core loss:	Good		Thermistors:	None	Thermostat: None	
RTD:	None			ohms at	degrees C	
Motor Heat	ter(s) Present	: Yes	Qty:	Voltage:	Wattage:	

VEST TENNESSE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301



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				

Conclusion

Service Tech name: RHR

Service Tech signature:

WEST TENNESSEE

7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301



MILLINGTON, TN LITTLE ROCK, AR

Polyphase Date:

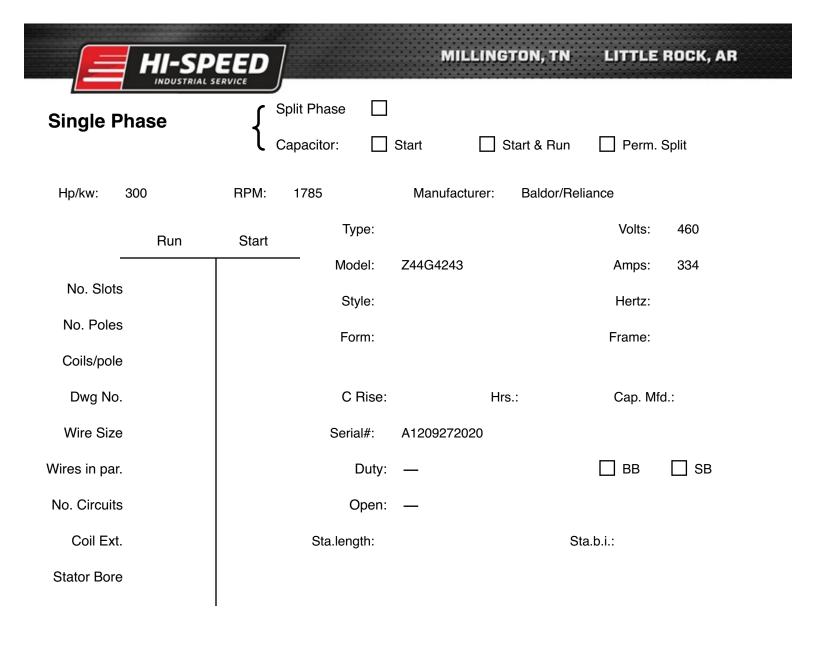
April 3, 2018

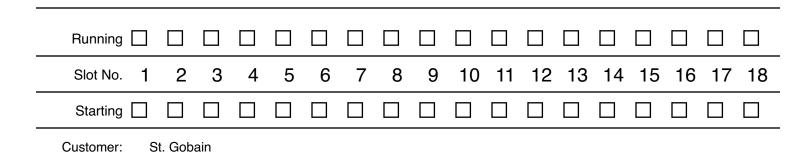
Polyphase AC Winding

- 71-		- 5				
Hp/kw:	300	RPM:	1785	Poles:	4 Manufacturer:	Baldor/Reliance
Slots:		72	Туре:		P Volts:	460
Coils:		72	Model:	Z44G4243	Amps:	334
	12	Of 6	Serial#:	A1209272020	Phase:	3
Groupin	ng	Of	Lead marking:	1-1-2-2-3-3-	4 -4-5-5-6-6 Hertz:	60
Turns/Coil:		6	Lead length:	6 C Rise:	Frame:	449TDZ
Wire Size	17	18	Lead size:	2 Duty:	C AMB:	
Wire Mult.	10	4	Num.Leads:	12 Eff.:	Ins.Cls.:	
Pitch 1 to:		17	🗌 DP 🛛 🔽	TEFC XPRF	TENV S.F.:	1.15
Connection:		4Y4D	COIL			
Jumper:			-			
Core length:		16				
Core ID:		13	\langle	T		
Back iron:		1.75		÷ +		
Slot depth:		1.625				
Slot/tooth w:		0.297		•		
Wire weight:		228	🔽 Left	Connection (Facing Termin		
Vents:		Size				
Rotor bars:					E	

The Electro•Mechanical Authority

WEST TENNESSEE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301





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

WEST TENNESSEE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301



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







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

OCE

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			
WEST TENNES: 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301	CENTRAL ARKA 6812 Lindsey Rd. Little Rock, AR 72206 Phone 501-375-9178 Fax 501-375-4254	NSAS			

HI-SPEED



AC Stator Form Coil Data (Continued)



Comments





WEST TENNESSEE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301