Job Information

Job #:	138701			Date:	December 12, 2018
Priority:	—	Authorized OT:	No	Authorized by:	

Customer Information

Name:	Nino	Motor#:	

Name Plate Information

Manufacturer:	TOYO PUMP	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	5.5 KW
Serial#:	30095714	Model#:		Service Factor:	
Frame:	132S	Rated RPM:	1740	Rated Voltage:	220
Phase:	3	Rated Amps:	20.0	Cycles:	
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:	Yes	Qty:	Voltage:	Wattage:	

AC Electrical Inspection (Continued)

Core Test Data

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout				
After burnout	84.85	600	2.18	8

Conclusion

Service Tech name: Kelly

Service Tech signature:

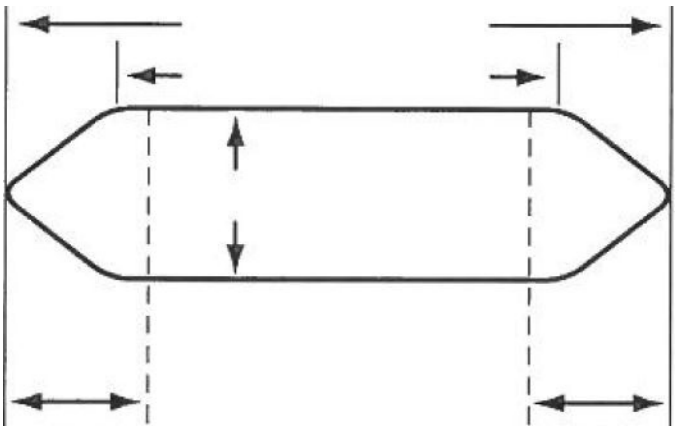
Polyphase AC Winding

First Speed

Polyphase Date:

Hp/kw:	5.5 KW	RPM:	1740			Manufacturer:	TOYO PUMP
Slots:	48	Poles:	4	Type:		Volts:	220
Coils:	48			Model:		Amps:	20.0
Grouping	12 Of 4 Of			Serial#:	30095714	Phase:	3
				Lead marking:		Hertz:	
Turns/Coil:		14		Lead length:	12	C Rise:	Frame:
Wire Size	21	20		Lead size:	12	Duty:	C AMB:
Wire Mult.	2	1		Num.Leads:	6	Eff.:	Ins.Cls.:
Pitch 1 to:		11		☐ DP ☑ TEFC ☐ XPRF ☐ TENV			S.F.:
Connection:		2Y2D					
Jumper:							
Core length:		5.812					
Core ID:		4.75					
Back iron:		0.625					
Slot depth:		0.625					
Slot/tooth w:		0.1875					
Wire weight:		13					
Slot:							
Tip:	8.6						
Pitch:	33 #						

COIL



Connection End
(Facing Terminal Box)

☐ Left ☐ Right

EASA
The Electro•Mechanical Authority

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

Single Phase

Split Phase ☐

Capacitor: ☐ Start ☐ Start & Run ☐ Perm. Split

Hp/kw: 5.5 KW RPM: 1740 Manufacturer: TOYO PUMP

	Run	Start
No. Slots		
No. Poles		
Coils/pole		
Dwg No.		
Wire Size		
Wires in par.		
No. Circuits		
Coil Ext.		
Stator Bore		

Type: Volts: 220

Model: Amps: 20.0

Style: Hertz:

Form: Frame:

C Rise: Hrs.: Cap. Mfd.:

Serial#: 30095714

Duty: — ☐ BB ☐ SB

Open: —

Sta.length: Sta.b.i.:

Running	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Slot No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Starting	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Customer: Nino

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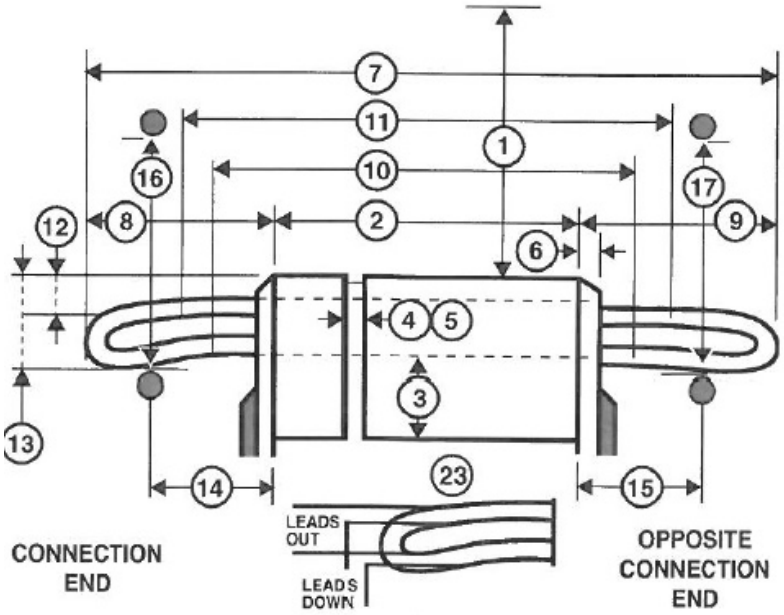
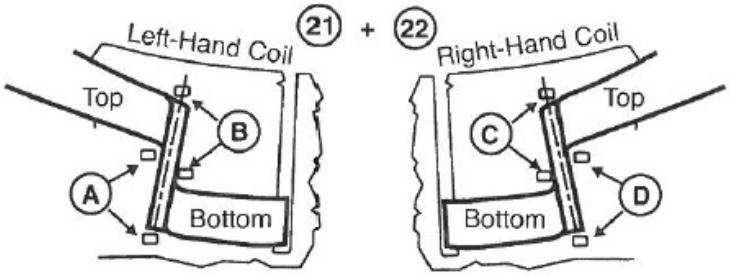
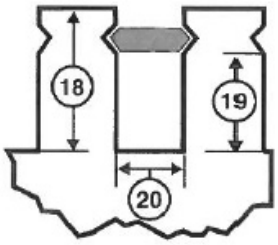
AC Stator Form Coil Data

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 OCE
13. Large knuckle drop. CE OCE
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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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

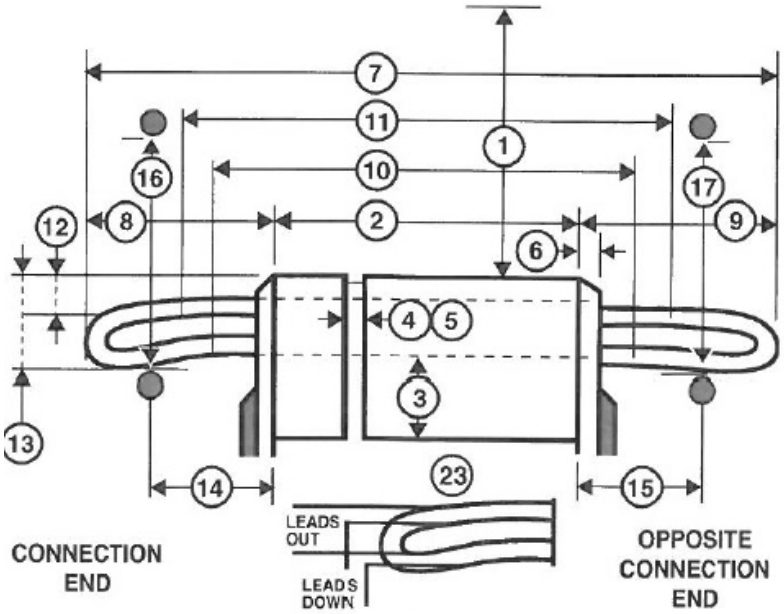
☐ Film ☐ Glass ☐ Mica ☐ Bare ☐ Other

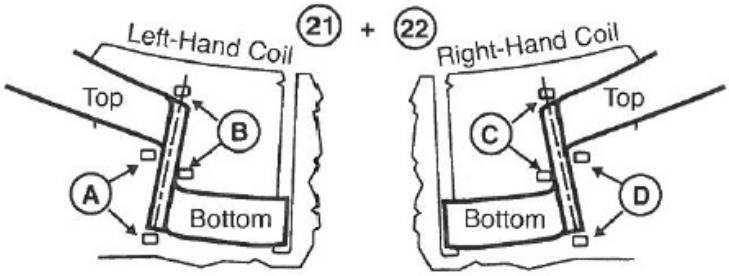
33. Coil weight Lbs.

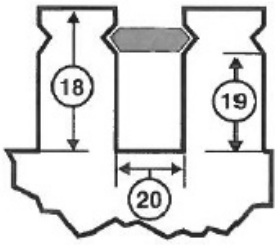
34. Groups of Coils

Groups of Coils

35. Iron skewed ☐ Right ☐ Left in







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AC Stator Form Coil Data (Continued)

Special Features	Yes	No
Data change	☐	☐
Coil support ring steel	☐	☐
Terrace wound	☐	☐
Corona Protection	☐	☐
RTDs	☐	☐

Ohms Qty

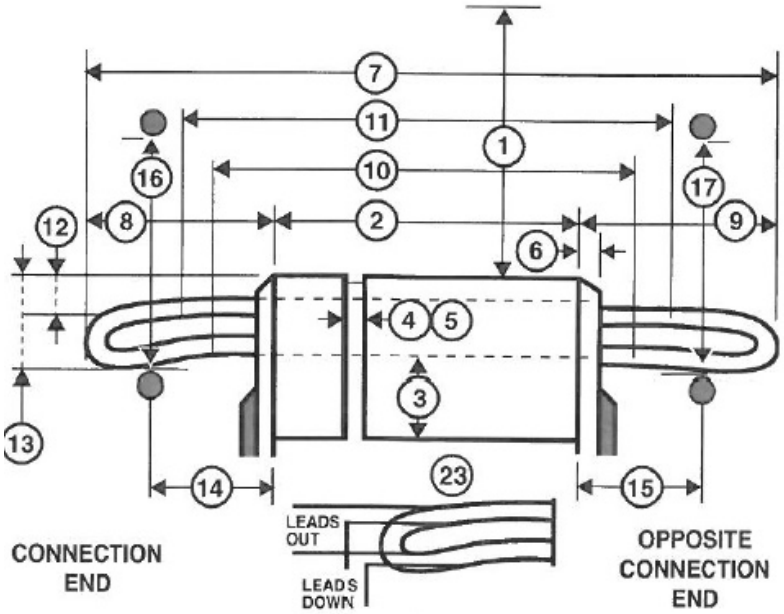
Hermetic	☐	☐
Slot paper used	☐	☐

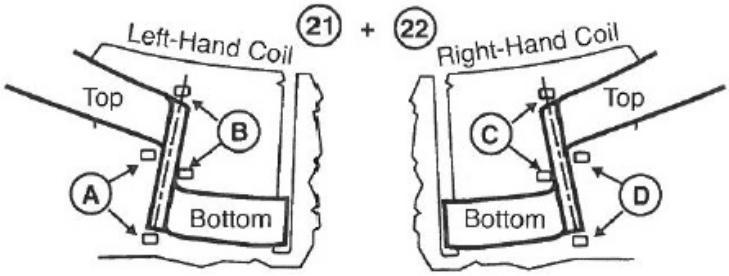
Insulation class ☐ B ☐ F ☐ H

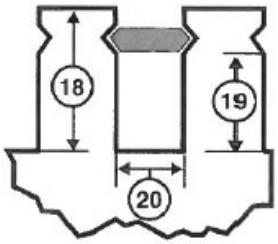
☐ VPI ☐ Dip & Bake ☐ Sealed

☐ Leads taped ☐ Leads sleeved

Comments







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