Γ	VOIGT-ABERNATHY				Centrifugal Pump Data Sheet Rev. No.: Rev. Date:					P	Page 1 of 4	
					Voigt-Abernathy www.voigtab.com							
ι	Jsage key—da			•	Purchaser		Su	ıpplier	▲ Supplier if no	ot by purchaser		
1 ls	ssued for:				Proposal		F	Purchase	As built			
	acility name /	location:										
3 It	tem name:							Purchaser / location:				
4 It	tem tag numb	er:						Job number:				
5 S	Service:							Purchaser order nun	nber:			
6 ι						Supplier / location:						
7 P	P&ID number: Supplier order / serial numbers: /											
8							GEN	ERAL				
9 N	lo. of pumps r	eq.:						Motor item number:				
0	Pump size:							Motor provided by:				
1	Pump mod	el:						Motor mounted by:				
2	Pump type							Variable speed operation	ation:	Yes	🗌 No	
3	Operating C	onditions						Performance				
4		Rated	Additio	nal duty poi	nts (max., r	nin., or VS))	Performance curve	number:		Speed:	(rpm)
5 F	Point #:	1	2	3	4	5]	Total differential he	ad @ rated impel	ler:		(ft)
6 F	low:						(gpm)	Maximum differenti	ial head @ rated i	mpeller:		(ft)
7 H	Head:						(ft)	Point #:	1 2	3	4	5
8 1	NPSHA:						(ft)	NPSHR:				(ft)
9 5	Suct. pres.:						(psig)	Minimum continuou				
0	Speed:						(rpm)	Allowable operating				(gpm)
1								Best efficiency point			(gpm)	
2 5	System design	:						Suction specific spe				
3	Suction pre			max.:				Impeller diameter:				
4	Suction terr			max.:	/		(°F)	Pump rated power:				(%)
5	Stand-a							Maximum power wi			(BHP)	
6				o.:				Case pressure rating	-			
7	Series of	peration w	ith item no	.:				Maximum al	lowable working	pressure:	(psig) (@(°F)
8 S	Service:		_					Hydrostatic t	atic test pressure: (psig)			
9	Continu	ous	Inte	ermittent:		starts/day		Site Conditions a	and Utilities			
0 S	System control	method:						Location:				
1	Speed		Throttl	e	System	n Resistanc	e Only	lndoor	🗌 Outdo	or Al	titude:	(ft)
2								Range of ambient te	emperatures: I	min. / max.:	/	(°F)
3								Electrical area class	ification:			AZARDOUS
4	Pumped Flu	id						Cl.: Div. or Zone: Gr.: T Code:				
5 F	Pumped fluid:							Electricity	Voltage	Phase	Hertz	
6			RATED	MAX.	NORMAL	MIN.	-	Drivers			<u> </u>	_
	Pumping temp	erature:					(°F)	Heating				
8			*At pump	oing tempera	atures desig	gnated abo	ve	Cooling water:	Source			
	Specific gravit						4		(°F			(°F)
	/apor pressure	e*:				ļ	(psia)		:(p:			(psig)
	Viscosity*: (cP)				Min. return press (psig) Max. allow. D.P (psig)							
							Chloride concentration: (ppm)					
	Atm pressure boiling point: (°F) @ (psia) General Remarks											
4 L	-iquid:	Hazardo				pH:						
5	Other:											
6												
	Corrosion / erosion caused by:											
	% solids: Max. particle size: (in.)											
	Other:			1								
0	Number		Date			D	ata Revisior	Description			Ву	Approved
		_										
2 3												
്				I								

1 Mechanical Data A Driver 2 Impeller Type: Power rating: Power rating: 3 Cissed Open Semi-open 4 Casing Mounting: Driver manufacturer: 5 Foot Centerline 6 Vertical in-line Driver rendosure: 7 Bearing: No: 7 Bearing: No: 7 Radial bearing type: No: 7 Radial bearing type: No: 7 Baering isolators: Labyrinth (standard) 10 Manufacturer: No: 11 A Bearing isolators: Labyrinth (standard) 11 Magnetic drain plug in housing required Magnetic drain plug in housing required 11 Magnetic drain plug in housing required Paint: Shipment: 12 Oil viscosity: ISO grade: Other: 13 Material Suction: Size: (in.) 14 Material class code: Environment: Domestic 15 Driver required Storage: Outside 16 <td< th=""><th>COM lier if not by purchaser</th></td<>	COM lier if not by purchaser
Mechanical Data Impeller Type: Cissed Open Semi-open Casing Mounting: Foot Contertine Driver reandsurter:	(hp) Speed:(rpm) S.G.:& max. visc.:(cP)
2 A impeller Type: Open Semi-open 3 Closed Open Semi-open 4 Casing Mounting: Drive fyselected for max. 5 Foot Centerline Driver specification: 6 Vertical in-line Driver specification: Driver manufacturer: 7 Bearing: No: Thrust bearing type: No: 9 Radial bearing type: No: Thrust bearing type: No: 10 Thrust bearing type: No: Thrust bearing type: No: 11 Manufacturer: Magnetic seal Driver specification: Pregrouted 12 Magnetic drain plug in housing required Durported (Pree standin 13 Maufacturer: Sealed (grease) Paint: Shipment: 14 Lubrication: Size: (in.) Shipment: Shipment: 16 Grease Purp supplier's stat Outre: Shipment: Shipment: 17 Decising: Size: (in.) Starge: Shipment: 18 Oticooler required Waterial class code:	S.G.:& max. visc.:(cP)
3 Closed Open Semi-open 4 Casing Mounting: Drive in pselected for max. 5 Foot Centerline 7 Bearing: Drive in pselected for max. 8 Bearing manufacturer: No: Drive in pselected for max. 9 Radial bearing type: No: Drive in pselected for max. 10 Wattical in-line Drive in pselected for max. Drive in pselected for max. 11 Bearing isolators: Labyrinth (standard) Drive in pselected for max. 11 Bearing isolators: Labyrinth (standard) Pregrouted 12 Manufacturer: No: Type: Grouted 13 Manufacturer: Magnetic drain plug in housing required Design: Purchaser straing 13 Material class code: Size (in.) Paint: Shipment: 14 Other: Storage: Other: Shipment: Shipment: 14 Material class code: Storage: Outside Outside Outside Outside 15 Material class code: Shaft: Short term	S.G.:& max. visc.:(cP)
10 Thrust bearing type: No.: No.: Type: Grouted 11 Bearing isolators: Labyrinth (standard) Pregrouted Pregrouted 12 Maunfacturer: Magnetic seal Ungrouted (Free standing 14 Lubrication: Vertical in-lin Perfective Purp supplit 15 Flood Pure mist Shielded (grease) Purp supplit 16 Grease Purge mist Sealed (grease) Purp supplit 18 Oil cooler required Nozzle Connections: Size Rating Facing 19 Discharge: Drain required Purp suppliter's state Other: Shipment: 20 Nozzle Connections: Size: (in.) Shipment: Shipment: 21 Material Material Outside Storage: Shipment: 22 Shaft: Domestic Storage: Storage: Short term 22 Shaft sleeve: Baseplate: Storage: Unit shipping weight: 33 Shaft: Drain spection state Material castace cr Hydrostatic (ref. 7	
11 A Bearing isolators: Labyrinth (standard) Pregrouted 12 Manufacturer: Magnetic seal Ingrouted (13 Manufacturer: Free standin Pregrouted (13 Manufacturer: Pregrouted (Pree standin 14 Lubrication: Staled (grease) Pree standin 15 Flood Pure mist Staled (grease) Pentrix, Shipment, and St 16 Grease Purge mist Staled (grease) Pentrix, Shipment, and St 17 Magnetic drain plug in housing required Paint, Shipment, and St Paint; Shipment, and St 17 Suction: Size Rating Facing 18 Suction: Drain required Other: 20 Nozzle Connection: Drain required Other: 21 Suction: Size: Other Shipment: 22 Aux. case connection: Drain required Outside Shipment: 23 Shaft: Shaft: Domestic Strage: Strage: 23 Shaft: Shaft: Domestic Strage: Strage:	
19 Oil viscosity: ISO grade: Other: 20 Nozzle Connections: Size Rating Facing 21 Suction: Discharge: Paint: 22 Other: Discharge: Other: 23 Aux. case connection: Drain required 24 Size: (in.) 25 Threaded Welded and flanged 26 Material class code: Storage: 27 Material class code: Outside 28 Casing: Outside 29 Impeller: Shaft: 30 Cover: Shaft: 31 Baseplate: Storage speci 32 Shaft sleeve: Shaft sleeve: 33 Baseplate: Unit shipping weight: 34 Casing fasteners: Unit shipping weight: 35 Impeller gasket: Unit shipping weight: 36 Gland fasteners: Unit shipping weight: 37 Gland fasteners: VPSHR (ref. 7.2.1.2) 38 Bearing housing adapter: Opt. perf. acceptance or 44 Mechanical seal materials — see page 3 Final inspection requi 45 Manufacturer: Dismantle and inspection requi 46 Type: Casing repair proce	
20 Nozzle Connections: Size Rating Facing 21 Suction:	orage Preparation
28 Casing:	Export Export boxing required
31 Shaft: Purchaser storage speci 32 Shaft sleeve: Unit shipping weight: 33 Baseplate: Tests and Inspections 34 Casing gasket: Hydrostatic (ref. 7.2.1.1) 35 Impeller gasket: Hydrostatic (ref. 7.2.1.4): 36 Casing fasteners: NPSHR (ref. 7.2.1.4): 37 Gland fasteners: Performance (ref. 7.2.1.2) 38 Bearing housing: Performance (ref. 7.2.1.3) 39 Bearing isolators: Opt. perf. acceptance or 40 Bearing isolators: Opt. perf. data 41 Coupling guard: Opt. perf. data 42 Mechanical seal materials — see page 3 Final inspection req 44 Specification: Dismantle and inspect 45 Manufacturer: Material certification requi 46 Type: Casing Cover	Long term (>6 months)
32 Shaft sleeve: Unit shipping weight: 33 Baseplate: Tests and Inspections 34 Casing gasket: Unit shipping weight: 35 Impeller gasket: Unit shipping weight: 36 Casing fasteners: Unit shipping weight: 37 Gland fasteners: Hydrostatic (ref. 7.2.1.1) 38 Bearing housing: NPSHR (ref. 7.2.1.5) 39 Bearing housing adapter: Opt. perf. acceptance cr 40 Bearing isolators: Opt. perf. data 41 Coupling guard: Implies and Driver 42 Mechanical seal materials — see page 3 Final inspection requipping weight: 44 Specification: Dismantle and inspection requipping deter: 44 Specification: Casting repair proce 45 Manufacturer: Material certification requipping detertion requippinging detertin requipping d	preservation specification
33 Baseplate: Tests and Inspections Test: Test: Test: Hydrostatic (ref. 7.2.1.1) Leak (ref. 7.2.1.4): NPSHR (ref. 7.2.1.4): NPSHR (ref. 7.2.1.4): NPSHR (ref. 7.2.1.5) Bearing housing: Bearing housing adapter: Opt. perf. acceptance or Additional data (ref. Opt. perf. acceptance or Additional data (ref. Other perf. data Coupling Between Pump and Driver Specification: Casting repair proce Manufacturer: Manufacturer: Casting Casting Cover 	ication:
34 Casing gasket: Test: U 35 Impeller gasket: Hydrostatic (ref. 7.2.1.1) 36 Casing fasteners: Hydrostatic (ref. 7.2.1.4): 37 Gland fasteners: NPSHR (ref. 7.2.1.4): 38 Bearing housing: Performance (ref. 7.2.1.5) 39 Bearing housing adapter: Opt. perf. acceptance cr 40 Bearing isolators: Opt. perf. acceptance cr 41 Coupling guard: Other perf. data 42 Mechanical seal materials — see page 3 Final inspection requing 43 A coupling Between Pump and Driver Dismantle and inspection requing 44 Specification: Casting repair proceet 45 Manufacturer: Material certification requing 46 Type: Casing Cover	(lb)
35 Impeller gasket: Hydrostatic (ref. 7.2.1.1) 36 Casing fasteners: Leak (ref. 7.2.1.4): 37 Gland fasteners: NPSHR (ref. 7.2.1.5) 38 Bearing housing: Performance (ref. 7.2.1.2) 39 Bearing housing adapter: Opt. perf. acceptance cr 40 Bearing isolators: Additional data (ref. 41 Coupling guard: Other perf. data 42 Mechanical seal materials — see page 3 Final inspection req 43 Coupling Between Pump and Driver Dismantle and inspection requiper inspectin requiper inspection requiper inspection	
42 Mechanical seal materials — see page 3 □ Final inspection requination 43 ▲ Coupling Between Pump and Driver □ Dismantle and inspection 44 Specification: □ Casting repair processing 45 Manufacturer: □ Casting coupling Cover 46 Type: □ Casing □	
43 Coupling Between Pump and Driver Dismantle and inspective processing repair procesing repair procesing repair processing repair	
47 Size: Other:	
48 Model: Inspection required for cor 49 Spacer length: Image: Manufacturer's standing guard type: 50 Coupling guard type: Inspection required for case 51 Pump supplier's standard Manufacturer's standing guard type:	uired Days notification required: ct after test dure approval required red: r Impeller IShaft
52 Baseplate mounted Other:	ired Days notification required: ct after test dure approval required red: r Impeller Shaft nection welds: dard Visual inspection tings:
53 Non-spark coupling guard required Manufacturer Documen	uired Days notification required: ct after test dure approval required red: r Impeller Shaft nection welds: dard Ivisual inspection tings:
54 Remarks: 55 For supplier data requirem 56 Remarks:	ired Days notification required: ct after test dure approval required red: r Impeller Shaft nection welds: dard Visual inspection tings: dard Visual inspection

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	VOIGT-ABERNATHY	Voigt-Abernathy www.voigtab.com						
	Usage key — data provided by:	Purchaser	Supplier Supplier if not purchaser					
1 2 3	▲ Shaft Sealing	I seal Packing Purchaser Purchaser	Flush Plan — Single or Inner Seal Piping plan number(s) (ref. 5.6.1):					
4 5 6 7 8	▲ Seal Chamber ☐ Taper bore ☐ Universal c Throat bushing: ☐ None ☐ Floating bu Throat bushing material:	over Packing box	Specific gravity: Specific heat: Specific heat: psia @ Vapor pressure: psia @ Flow rate required: Min Ma Maximum flow rate allowed by process:	(°F) ax (gpm)				
9 10 11 12	Jacketed seal chamber/packing box: For: Heating Remarks:	Yes No	Maximum pressure allowed by process: Maximum pressure allowed by process pressure allowed by process Maximum pressure allowed by process pressure allowed by process pressure allowed by process Maximum pressure allowed by process pressure allowed by pressure allowed by process pressure allowed by pressure allowed by pressure allowed by proces	ax (°F)				
 13 14 15 16 17 18 19 	Arrangeme		Other:					
20 21 22 23 24 25	Manufacturer: Model: Manufacturer code: Drawing number: Remarks:		Remarks: Flush Plan — Outer Seal Piping plan number(s) (ref. 5.6.1):					
26 27 28 29 30 31	Stationary f Secondary seals: Rotating fac Stationary f	ce: face: ce: face:	Vapor pressure: psia @ Flow rate required: Min. Maximum flow rate allowed by process:	ax(°F) (°F) ax(gpm) (gpm)				
32 33 34 35	Springs: Metal parts: Remarks:	Bellows:	Maximum pressure allowed by process:	(°F)				
36 37 38 39 40 41	Stationary Secondary seals: Rotating fac Stationary	ce:	Tube/pipe size: Tube/pipe material:					
42 43 44 45	Springs: Metal parts: Remarks:	Bellows:	Unions Butt weld	Socket weld Socket weld Tube fitting				
46 47 48 49 50 51	Ports: 🗌 Flush 🗌 Drain		Quench Iuid: Flow rate: Remarks:					

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	VOIGT-ABERNATHY	Voigt-Abernathy www.voigtab.com					
	Usage key — data provided by	Purchaser	Su	pplier Supplier if not purchaser			
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 9 20 21 22	▲ Auxiliary Equipment Reservoir: Yes Furnished by: Supplie Drawing number: Material: Operating pressure: Operating temperature: MAWP of reservoir: Code specification: Code stamped: Yes Size: 3 gal 5 g. Internal cooling coils: Stand required: Baseplate mounted:	□ No Purchaser Other (°F) psig @ min. temp. psig @ max. temp. s □ of ther s □ of ther yes □ Yes □ Yes □ No □ No □ Cooled □	(psig) (°F) (°F)	A Heating and Cooling ☐ Heating required ☐ Cooling required Piping plan designation (ref. 5.6.1): Piping plan furnished by: ☐ Supplier Fluid: Outh Maximum allowable differential temperature: Rated flow rate: Supply pressure: Type: ☐ Tube ☐ Pipe ☐ Other Tube/pipe size: Tube/pipe material: ☐ 316SS ☐ Galvan ☐ Other Tube/pipe connections: ☐ Threaded	Purchaser et:(°F)(°F)(gpm)(psig) ized carbon steel Socket weld Tube fittings		
23 24 25 26	Instrumentation Inner seal: Indicate	or Switch Tra	ansmitter				
27 28 29 30	Flow rate:						
31 32 33 34 35	Outer seal: Indicate Flow rate: Temperature: Pressure: Level:	or Switch Tra	ansmitter				
36 37 38 39 40 41	Remarks: Heating or cooling: Indicato Flow rate: Temperature: Remarks:		ansmitter				
42 43 44 45 46	Packing Packing code (P1-P4): Material: Manufacturer: Manufacturer style number:						
47 48 49 50 51	Lantern ring:	Yes No Yes No Yes No Yes No					