



Machinery  
**Centrifugal Pump**  
Engineering Data Sheet

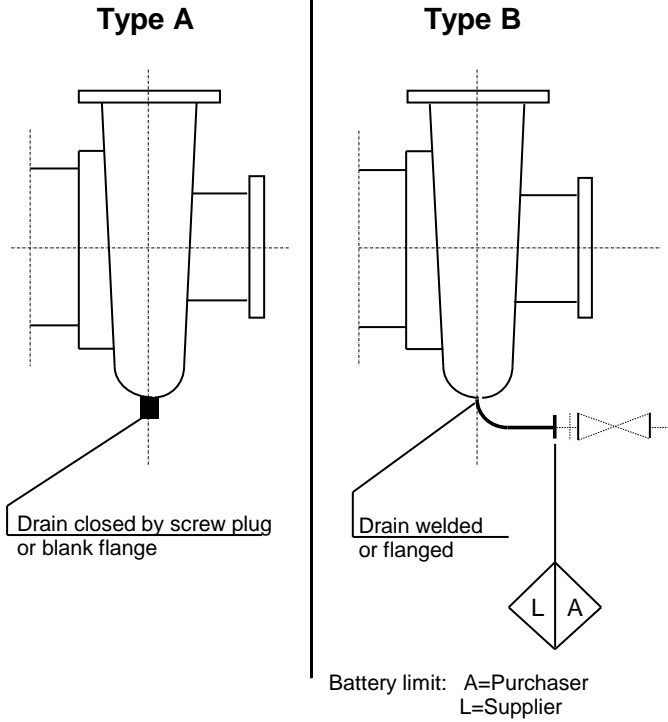
Apollo Gößnitz GmbH  
Walter Rabold Straße 26  
04639 Gößnitz  
Germany

01	Plant:									
02	Designation:					Specification class:				
03	<input checked="" type="checkbox"/> No. req.	Type designation <input type="checkbox"/> horizontal <input type="checkbox"/> vertical	Manufacturer serial No.		Kind	Driver Type designation		Item-No.		
04	<input checked="" type="checkbox"/> Operation									
05	<input checked="" type="checkbox"/> Stand-by									
06	<input checked="" type="checkbox"/> Purchaser:	Enq.-No.:	Date:		Supplier:	Prop.-No.:		Date:		
07		Order-No.:	Date:			Contr.-No.:		Date:		
08	<input checked="" type="checkbox"/> Site conditions:	indoor <input type="checkbox"/> outdoor <input type="checkbox"/>		Ambient-temperatur °C:						
09	<b>Operating conditions</b>									
10	<input checked="" type="checkbox"/> Liquid					<input checked="" type="checkbox"/> Inlet gauge	rated			bar
11	<input checked="" type="checkbox"/> Sour gas demand					<input checked="" type="checkbox"/> pressure	maximal			bar
12	<input checked="" type="checkbox"/> Corrosive components					Outlet gauge	rated			bar
13	<input checked="" type="checkbox"/> Solid type					pressure	maximal			bar
14	<input checked="" type="checkbox"/> components mass percent.			%	Diff. pressure, rated				bar	
15	<input checked="" type="checkbox"/> Operating temperature $t_A$			°C	Head curve	rated	max.			m
16	<input checked="" type="checkbox"/> pH-value at $t_A$					<input checked="" type="checkbox"/> Pump speed, rated			min <sup>-1</sup>	
17	<input checked="" type="checkbox"/> Density at $t_A$			kg/m <sup>3</sup>	Efficiency				%	
18	<input checked="" type="checkbox"/> Dynamic viscosity at $t_A$			mPa · s	Pump power	rated				kW
19	Vapour pressure abs. at $t_A$			bar	input $P_a$	normal				kW
20	<input checked="" type="checkbox"/> Flow rated			m <sup>3</sup> /h	$P_a$	at rated impeller-Ø				kW
21	<input checked="" type="checkbox"/> normal max.			m <sup>3</sup> /h	max.	at max. impeller-Ø				kW
22	<input checked="" type="checkbox"/> min. req. perm.			m <sup>3</sup> /h	Driver output, rated				kW	
23	<input checked="" type="checkbox"/> NPSH at rated and max. flow	NPSH <sub>A</sub>		m	Self priming		<input type="checkbox"/> yes <input type="checkbox"/> no			
24		NPSH <sub>R</sub>		m	Sound pressure level 1 m				dB(A)	
25	Temperature Design			°C	Sound power level				dB(A)	
26	<b>Construction features</b>									
27	Nominal pressure				Inlet		size	position		
28	Allow. working pressure	casing	bar	at:	°C	flange	rating and			
29	pressure	auxiliaries	bar	at:	°C	Outlet	facing			
30	Test pressure				bar	flange	size	position		
31	Number of stages				Vent		<input type="checkbox"/> yes <input type="checkbox"/> no			
32	Volute <input type="checkbox"/> s <input type="checkbox"/> d <input type="checkbox"/> m				Drain		see sheet:			
33	Diffusor				Bearing housing size					
34	Impel-ler-Ø	rated	installed			Casing support		<input type="checkbox"/> foot <input type="checkbox"/> centreline		
35		maximal	minimal			Casing split to shaft		<input type="checkbox"/> radial <input type="checkbox"/> axial		
36		type				Total	<input type="checkbox"/> wear ring <input type="checkbox"/> wear plates		mm	
37	Direction of rotation	pump	<input type="checkbox"/> cw <input type="checkbox"/> ccw			clear-ance	shaft bushes		mm	
38		driver	<input type="checkbox"/> cw <input type="checkbox"/> ccw			ance	balance drum		mm	
39					Thrust reduction by					
40	* Additional Information for Motor									
Voltage:										
Frequency:										
Ex-protection class:										
Frequency converter operation: yes / no										
Required Accessories:										
Zone:										
<b>* The colored fields are mandatory fields</b>										
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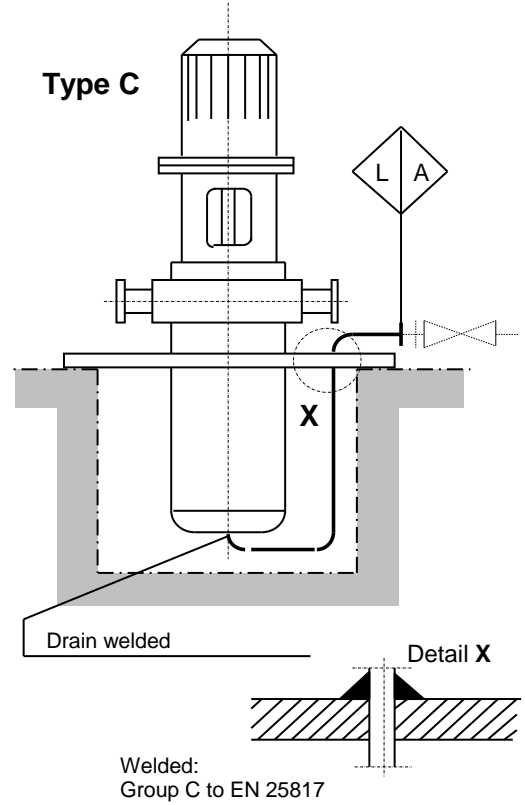
01	Supplier:				Item-No.:					
02	<b>Construction features, Continuation</b>									
03	Radial bearing	type, size				Cooling (C) Series (S)	C	H	S	P
04	Axial bearing					Heating (H) Parallel (P)				
05	Connection bearing					Casing				
06	Lubricant	Supply				Bearing				
07	Shaft seal	arrangement				Oil cooler				
08		manufacturer				Seal chamber				
09		type, size				Seal circul. cooler				
10		allow. work. pressure	bar	at:	°C	Seal seat				
11	Aux. Piping,	arrangement				Pedestals				
12	Shaft seal	supplied by	<input type="checkbox"/> A	<input type="checkbox"/> LP	<input type="checkbox"/> LA	Allow. working pressure	bar	at:	°C	
13						Test pressure	bar	at:	°C	
14	External supplies	function	fluid	l/h	°C	inlet(bar)outl.	Total weight incl. baseplate			kg
15							Moment of inertia <i>J</i>			kg · m <sup>2</sup>
16										
17										
18		cooling								°C
19	heating									
20	<input checked="" type="checkbox"/>	electricity	V	phase		Hz				
21	<b>Auxiliaries</b>									
22	Coupling	manufacturer				Baseplate	for	<input type="checkbox"/> pump	<input type="checkbox"/> driver	
23		type, size					type			
24		spacer, length	mm				supplied by	<input type="checkbox"/> A	<input type="checkbox"/> LP	<input type="checkbox"/> LA
25		coupling guard, type				Driver	supplied by	<input type="checkbox"/> A	<input type="checkbox"/> LP	<input type="checkbox"/> LA
26		supplied by	<input type="checkbox"/> A	<input type="checkbox"/> LP	<input type="checkbox"/> LA		mounted by	<input type="checkbox"/> A	<input type="checkbox"/> LP	<input type="checkbox"/> LA
27						Aux. Piping supplied by	<input type="checkbox"/> A	<input type="checkbox"/> LP	<input type="checkbox"/> LA	
28						Anchor bolts supplied by	<input type="checkbox"/> A	<input type="checkbox"/> LP	<input type="checkbox"/> LA	
29	<b>Materials</b>									
30	Casing, Diffusor				Mechanical seal	seal end plate				
31	External bolting					throttle bush				
32	Casing gasket						pump-side	atm.-side		
33	Impeller					rotation ring				
34	Wear ring impeller					stationary ring				
35	Wear ring casing					secondary	rotating			
36	Wear plate					seal	stationary			
37	Lining					spring				
38	Shaft					other metal parts				
39	Case bush					Stuf- fing- box	gland follower			
40	Bearing housing adapter				packing					
41	Bearing housing					lantern ring				
42	Shaft sleeve				Coupling	hubs	spacer			
43	Throat bush					flexible elements				
44						coupling guard				
45					Baseplate					
46					Coating					
47	Remarks: A - Purchaser LP - Pump supplier LA - Drive supplier									
<b>* The colored fields are mandatory fields</b>										
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01

Horizontal centrifugal pumps



Vertical centrifugal pumps



02	Item No.						
03	Type						
04	Nominal diameter						
05	Flange	PN					
06		facing to					
07	Screw	size					
08	plug	Specification as per					
09	Item No.						
10	Type						
11	Nominal diameter						
12	Flange	PN					
13		facing to					
14	Screw	size					
15	plug	Specification as per					

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