Technical Data

Pump Name 3S 65-125/7.56

Customer	Date	2024-06-20	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-20 14:51:23	E-mail

Requested data

1	Pump type	CENTRIFUGAL PUMPS	Fluid		Water
2	Number of pumps / Reserve	1 / 0	Liquid temperature	°C	20
3	Flow m³/h		Kin. viscosity	mm²/s	1.005
4	Head m		Vapour pressure	bar	0.0234
5	Geodetic head m		PH value		
6	Inlet pressure (pin) bar	0	Density	kg/m³	998.3
7	Available system NPSH		Solids	Weight %	0
8	Ambient temperature °C	20			

Pump

9	Pump Name	3S 65-125/7.56	Frequency		Hz	60
10	Design	CENTRIFUGAL PUMPS	Installation type			STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max.	mm	132
12	Speed rpm	3480		Designed	mm	132
13	No. of Stage	1		Min.	mm	132
14	Connection Suction side	DIN 2532	Flow	Operating	m³/h	
15	Connection Discharge side	DIN 2532		Max-	m³/h	126
16	Max Working Pressure bar	10		Min-	m³/h	36
17	Shut-off head bar	3.28	Head	Operating	m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.)	m	13.5
19	Shaft power kW			- (Qmin.)	m	31.5
20			Max. Shaft Power at max. impeller		kW	7.50
21	Required pump NPSH m		Efficiency		%	

Materials

22	Impeller	AISI 316		
23	Casing	AISI 304		
24	Shaft	AISI 304		
25				
26				
27				

Motor

28	Manufacturer		LAFERT	Insulation class		F
29	Type		TEFC_3S 65-125/7.56_460_Three Phase	Phases		3~
30	Specific design		IE2 / 60 Hz / Pole pairs 1	Frame size		
31	Rated power	kW	7.5	Weight	kg	
32	Number of poles		2	Electric voltage	V	460
33	Speed	rpm	3500	Electric current	A	11.4
34	Degree of protection		IP 55			
35						

Remarks

EBARA

Performance Curve

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Requested data

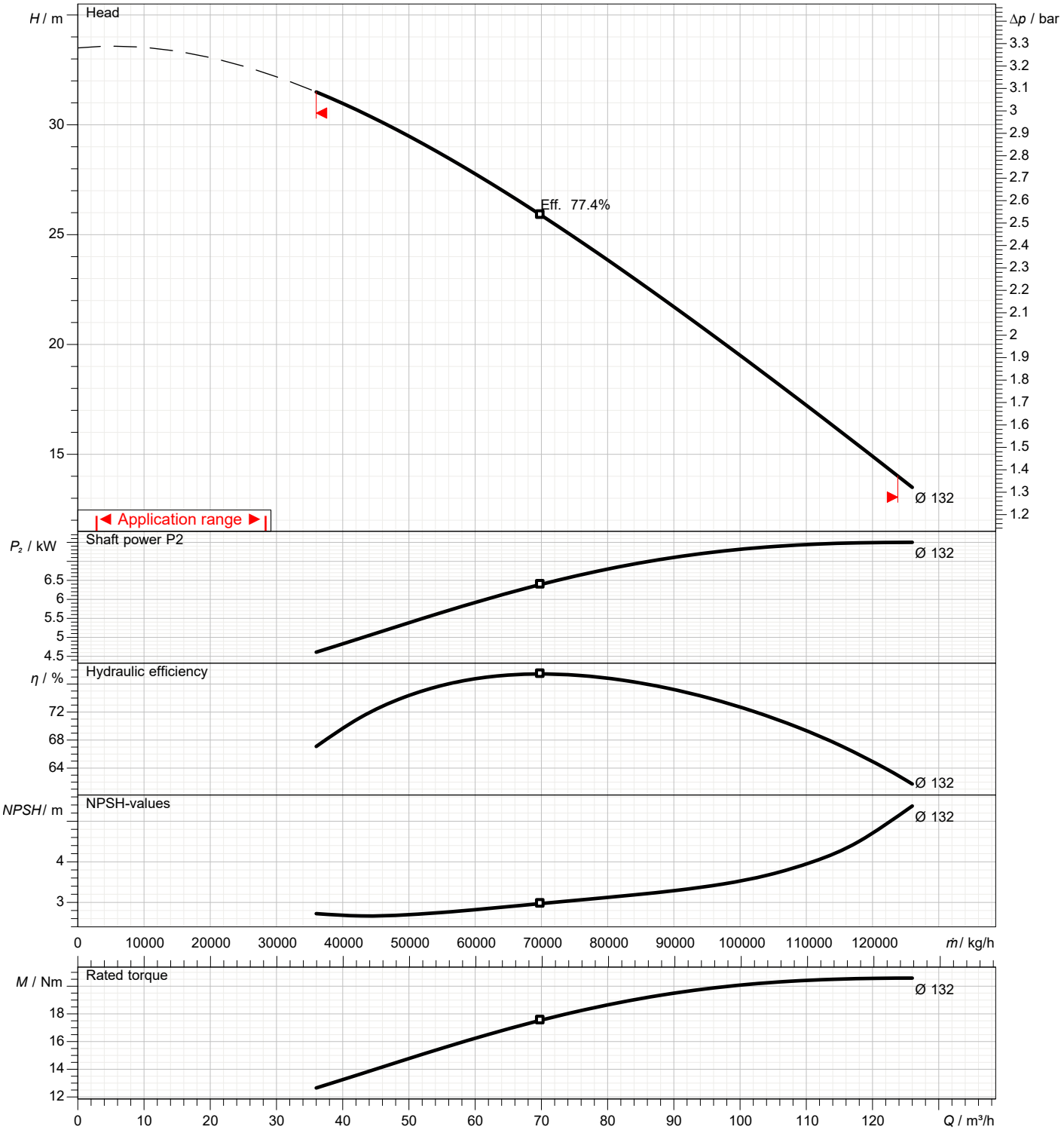
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	60
Operating head	m		Number of poles		2
Impeller diameter designed	mm	132	Speed	rpm	3480

Test standard: ISO 9906:2012 - Grade3B

Water; 20°C; 998.3kg/m³; 1mm²/s



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Dimensions

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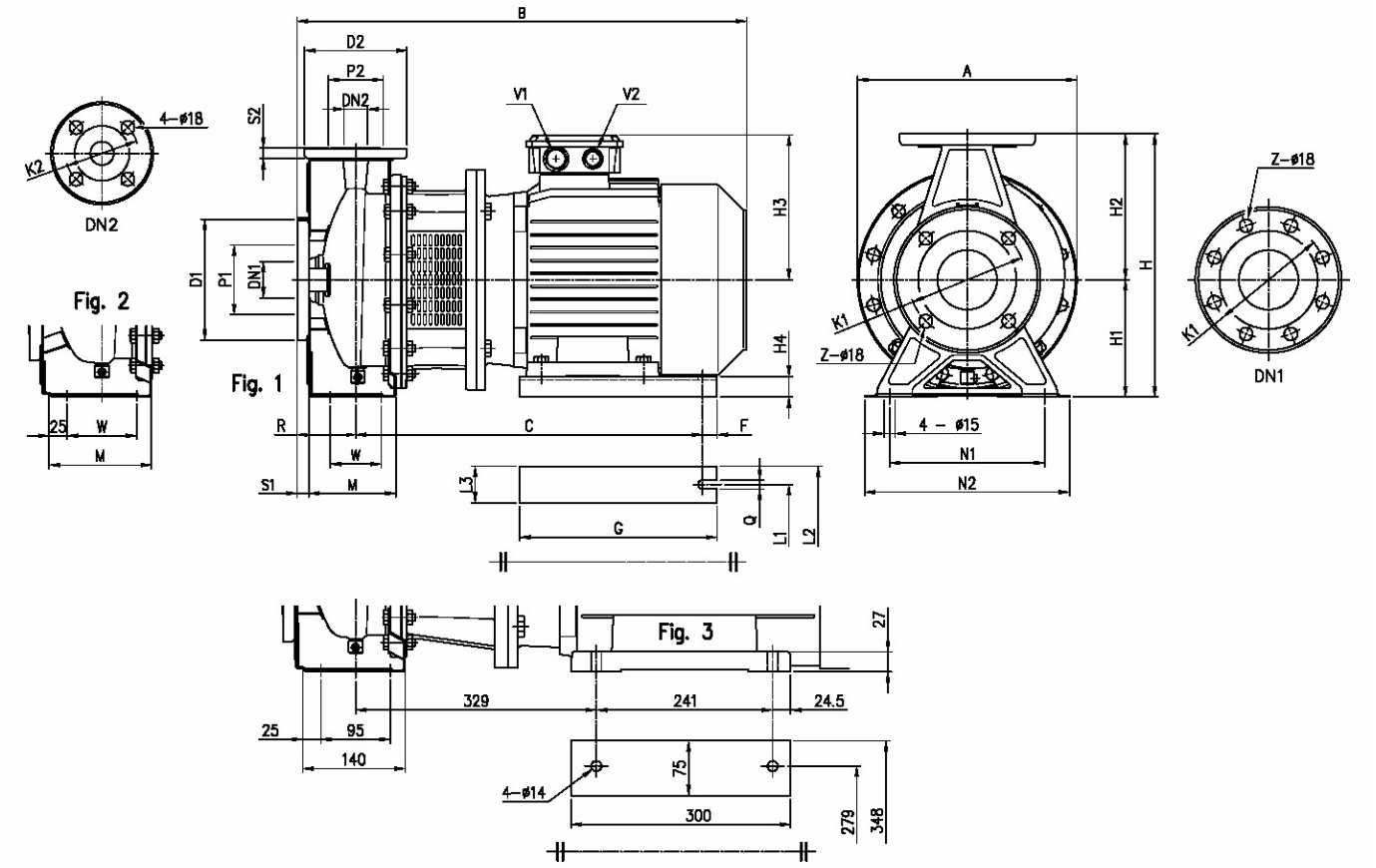

Dimensions in	mm							
1	A	300	H1	160	V2	M32x1,5		
2	B	627	H2	180	W	95		
3	C	479	H3	198	Weight P&M	79,4 kg		
4	Dia D1	200	H4	28	Z	8		
5	Dia D2	185	L1	216				
6	Dia DN1	80	L2	266				
7	Dia DN2	65	L3	50				
8	Dia K1	160	M	140				
9	Dia K2	145	N1	212				
10	Dia P1	134	N2	280				
11	Dia P2	115	Q	12				
12	F	15	R	100				
13	Fig	2	S1	18				
14	G	270	S2	16				
15	H	3440	V1	M32x1,5				

EBARA

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Construction

Pump Name 3S 65-125/7.56

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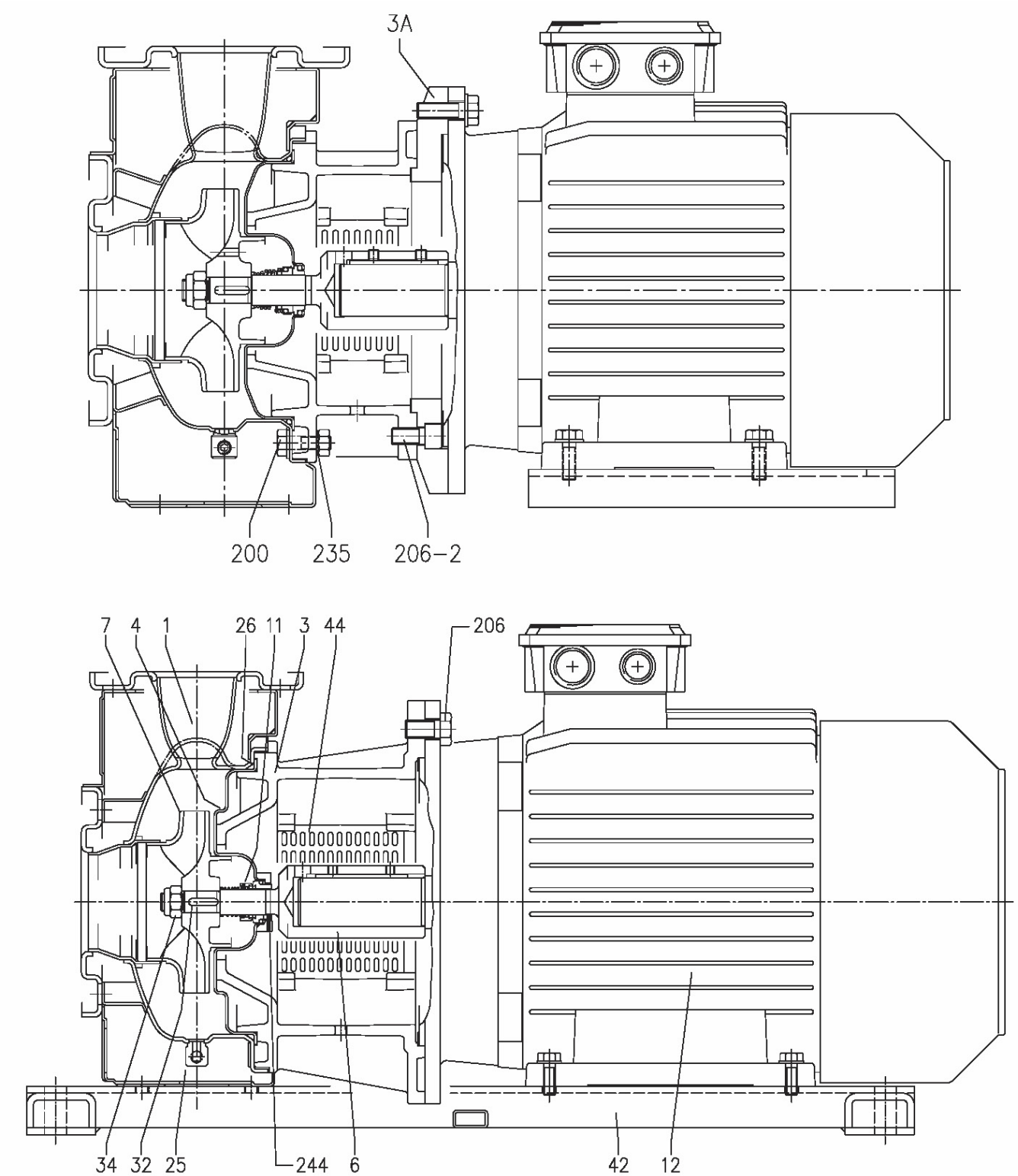

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Construction

Pump Name 3S 65-125/7.56

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N°	PART NAME		MATERIAL 3S	MATERIAL 3LS	DIMENSIONS	STANDARD	Q.TY
1	Casing		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)			1
3	Motor bracket		Cast iron EN-GJL-200-EN 1561				1
3A	Adapter ring	[1]	Cast iron EN-GJL-200-EN 1561				1
4	Casing cover		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)			1
6	Coupling - Part in contact with liquid		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)			1
7	Impeller		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)			1
		[7]	EN 1.4401 (AISI 316)				
11	Mechanical seal	[5]	-	-			1
12	Motor		-				1
25	Draing plug		EN 1.4401 (AISI 316) / PTFE		R 1/8" L=8	DIN 906	1
26	O-ring	65-125	NBR/FPM/EPDM	FPM/EPDM	183.52x5.34	OR 6720	1
		65-160, 65-200 [6]			227.96x5.34	OR 6895	
32	Key	Up to 11 kW	EN 1.4401 (AISI 316)		6x6x25	UNI 6604	1
		15 kW and above			8x7x30		
34	Impeller nut	Up to 11kW	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	M16x1.5	UNI 7474	1
		15 kW and above			M20x1.5		
42	Foot		Aluminium / Zinc-coated steel				[2]
44	Protection		EN 1.4301 (AISI 304)			EBARA DRAWING	1
200	Screw	65-125, 65-160, 65-200	Stainless steel A2 70 class ISO 3506/1		M10x35	UNI 5739	[3]
206	Screw for bracket		Zn. Steel 8.8 strenght class ISO 898/1		M10x40	UNI 5739	4
206-2	Screw adapter ring	[1]	Zn. Steel 8.8 strenght class ISO 898/1			UNI 5931	4
235	Washer	65-125, 65-160, 65-200	Stainless steel A2 70 class ISO 3506/1		M10.5x21	UNI 6592	[3]
244	Pin	[4]	-	EN 1.4301 (AISI 304)		UNI 5931	4

[1] Only for versions 65-125/5.56 and 65-125/7.56
[2] Quantity =0 for version 65-200/226
Quantity =1 for version for 65-125/5.56, 65-125/7.56, 65-160/116, 65-160/156, 65-200/156, 65-200/18.56
Quantity =2 for version for 65-160/9.26
[3] Quantity =10 for 65-125
Quantity =12 for 65-160, 65-200
[4] Only for 65-160/156, 65-200
[5] See **CONSTRUCTION 3**
[6] See**CONSTRUCTION 3**, "O-ring" column
[7] Only for version 65-125/160/200

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Construction

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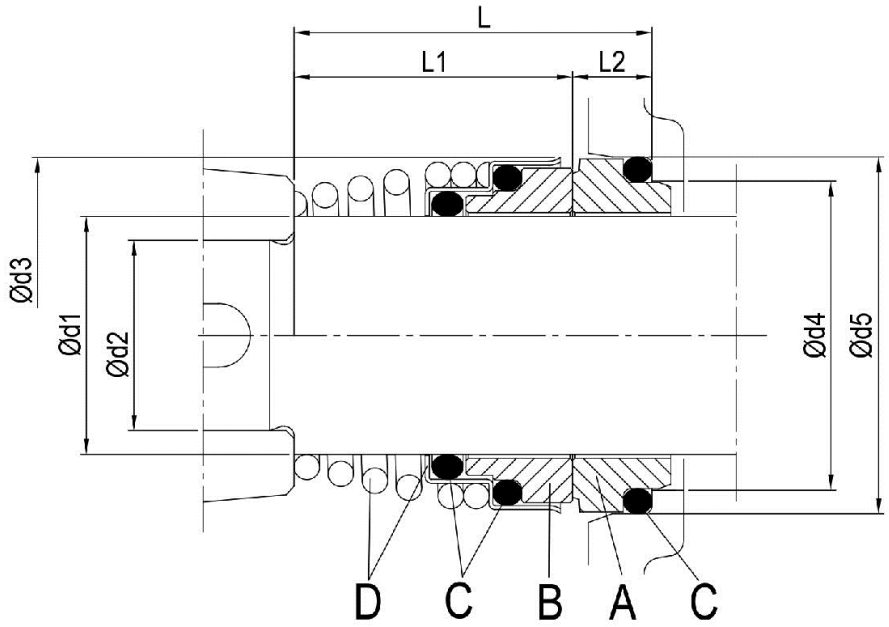

Pump type	Dimensions [mm]								Material Standard			
	d1	d2	d3	d4	d5	L	L1	L2	A Stationary seal ring	B Rotary seal ring	C O-ring	D Frame + spring
32-125/160/200 40-125/160/200 50-125/160 65-125 65-160/7.56-9.26-116	22	19	38	31	37	37.5	27.5	10	Carbon	Ceramic	NBR	EN 1.4301 (AISI 304)

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