Technical Data

Pump Name 3LP 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 10:03:09	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	3LP 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	CF8M		
23	Casing	AISI 316		
24	Shaft	AISI 316L		
25				
26				
27				

Motor

28	Manufacturer		LAFERT	Insulation class		F
29	Type		TEFC_3P 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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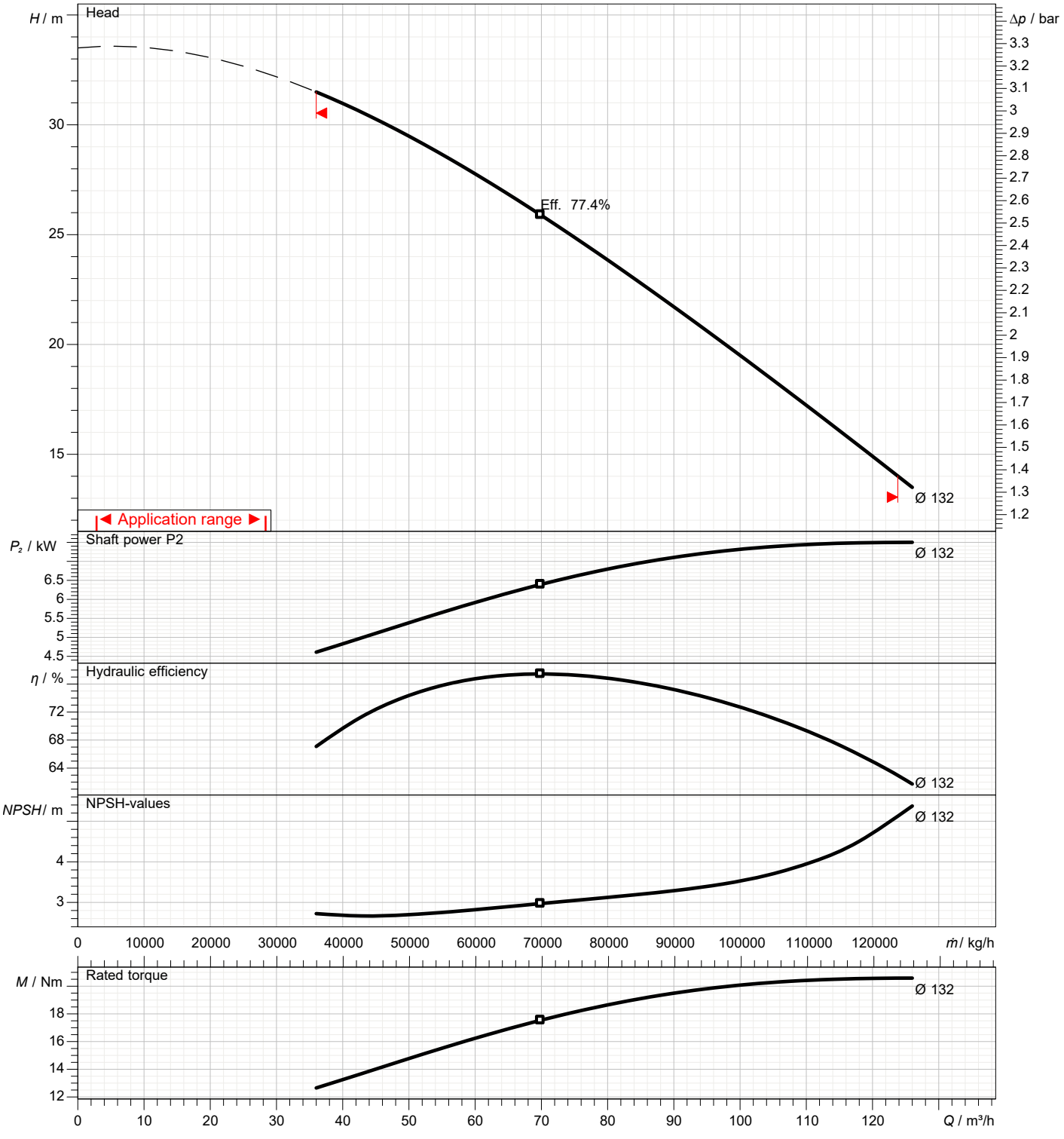
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

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



EBARA

Dimensions

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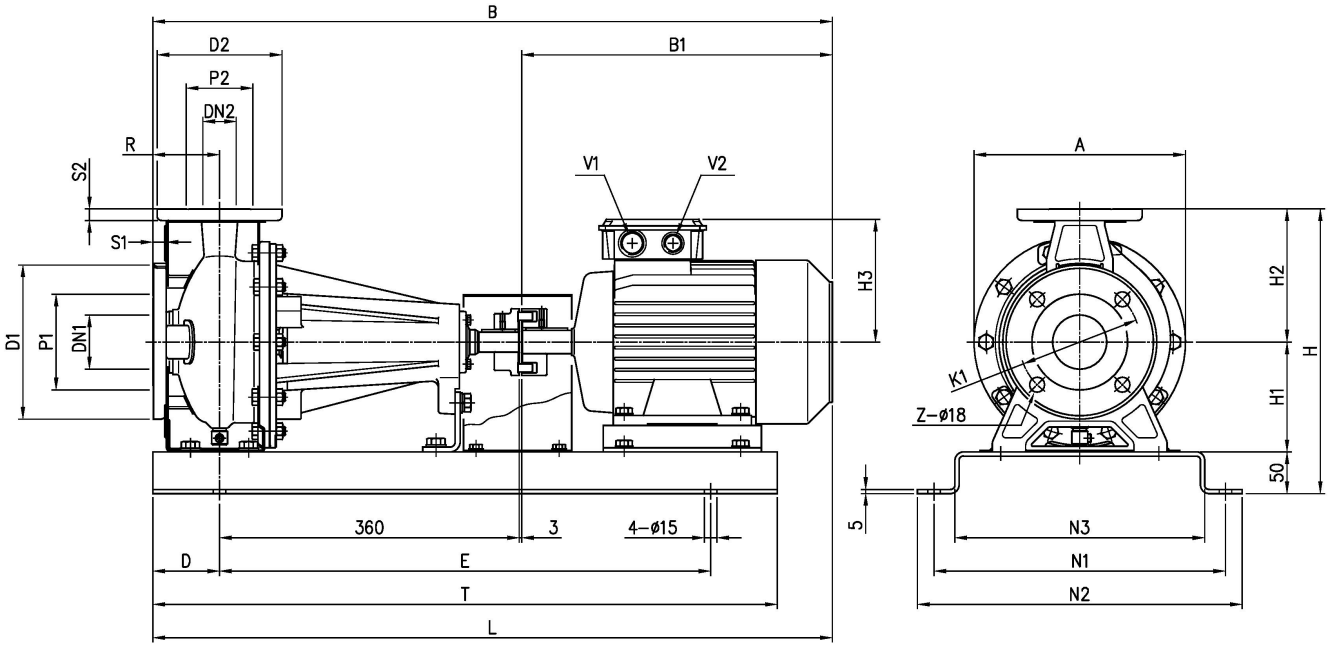
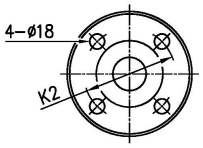
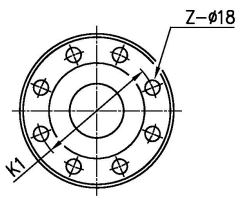




DN2



DN1

Dimensions in	mm							
1	A	254	H2	180				
2	B	905	H3	198				
3	B1	442	L	905				
4	D	100	N1	350				
5	Dia D1	200	N2	390				
6	Dia D2	185	N3	300				
7	Dia DN1	80	R	100				
8	Dia DN2	65	S1	18				
9	Dia K1	160	S2	16				
10	Dia K2	145	T	850				
11	Dia P1	134	V1	M32x1,5				
12	Dia P2	115	V2	M32x1,5				
13	E	650	Weight P&M	109,4 kg				
14	H	390	Z	8				
15	H1	160	Z option	4				

EBARA

(1/3)
Construction

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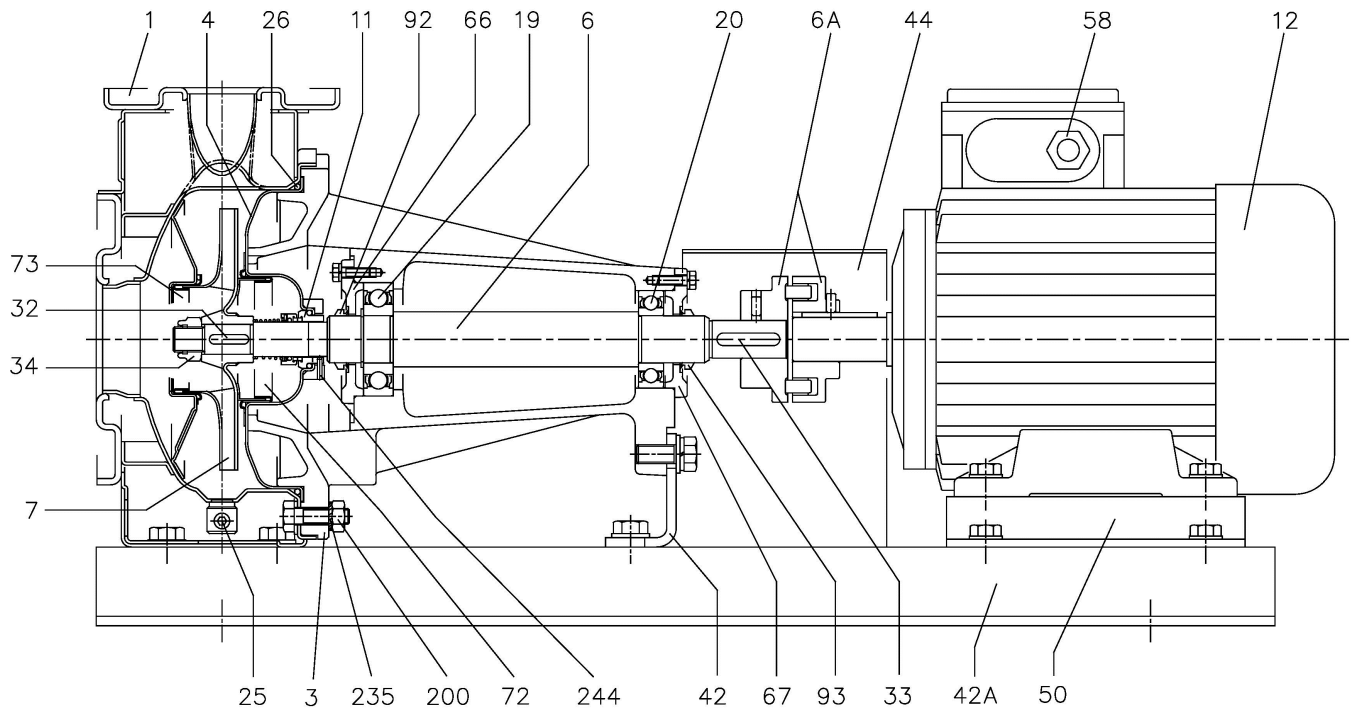

EBARA

(2/3)
Construction

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(3/3)
Construction

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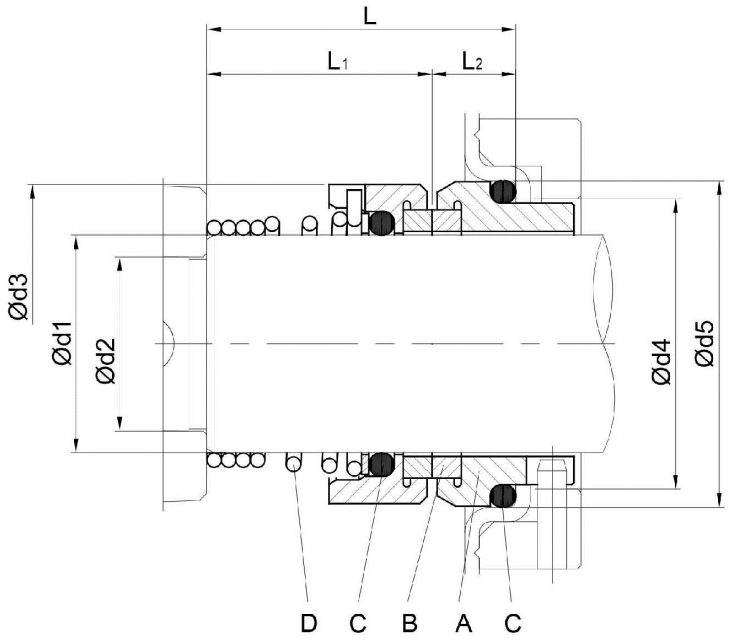

Version	Pump type	Dimensions [mm]								Material Standard			
		d1	d2	d3	d4	d5	L	L1	L2	A Stationary seal ring	B Rotary seal ring	C O-ring	D Frame + spring
L	32-125/160/200 40-125/160/200 50-125/160 65-125 65-160/7,56-9,26-116	22	19	36	31	37	37.5	27.5	9.5	SiC	SiC	FPM	EN 1.4401 (AISI 316)