Technical Data

Pump Name 3P 40-200/156

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	3P 40-200/156	Frequency		Hz	60
10	Design	CENTRIFUGAL PUMPS	Installation type			STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max.	mm	200
12	Speed rpm	3480		Designed	mm	200
13	No. of Stage	1		Min.	mm	200
14	Connection Suction side	DIN 2532	Flow	Operating	m³/h	
15	Connection Discharge side	DIN 2532		Max-	m³/h	50
16	Max Working Pressure bar	10		Min-	m³/h	12
17	Shut-off head bar	8.13	Head	Operating	m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.)	m	62.0
19	Shaft power kW			- (Qmin.)	m	82.1
20			Max. Shaft Power at max. impeller		kW	12.78
21	Required pump NPSH m		Efficiency		%	

Materials

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

Motor

28	Manufacturer	LAFERT	Insulation class			F
29	Type	TEFC_3P 40-200/156_460_Three Phase	Phases			3~
30	Specific design	IE2 / 60 Hz / Pole pairs 1	Frame size			
31	Rated power kW	15	Weight		kg	
32	Number of poles	2	Electric voltage		V	460
33	Speed rpm	3500	Electric current		A	23.3
34	Degree of protection	IP 55				
35						

Remarks

EBARA

Performance Curve

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Requested data

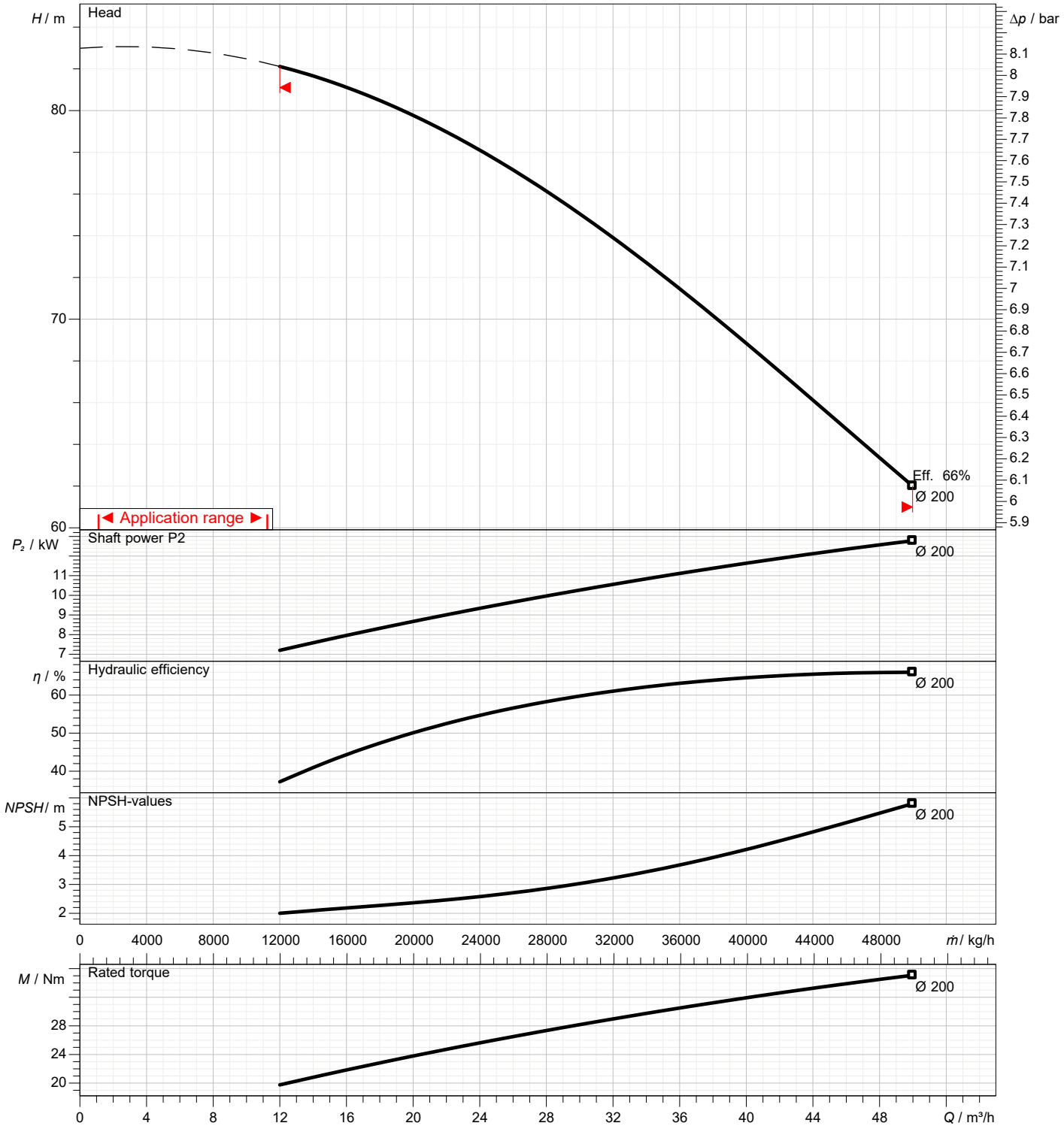
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	60
Operating head	m		Number of poles		2
Impeller diameter designed	mm	200	Speed	rpm	3480

Test standard: ISO 9906:2012 - Grade3B

Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

Pump Name 3P 40-200/156

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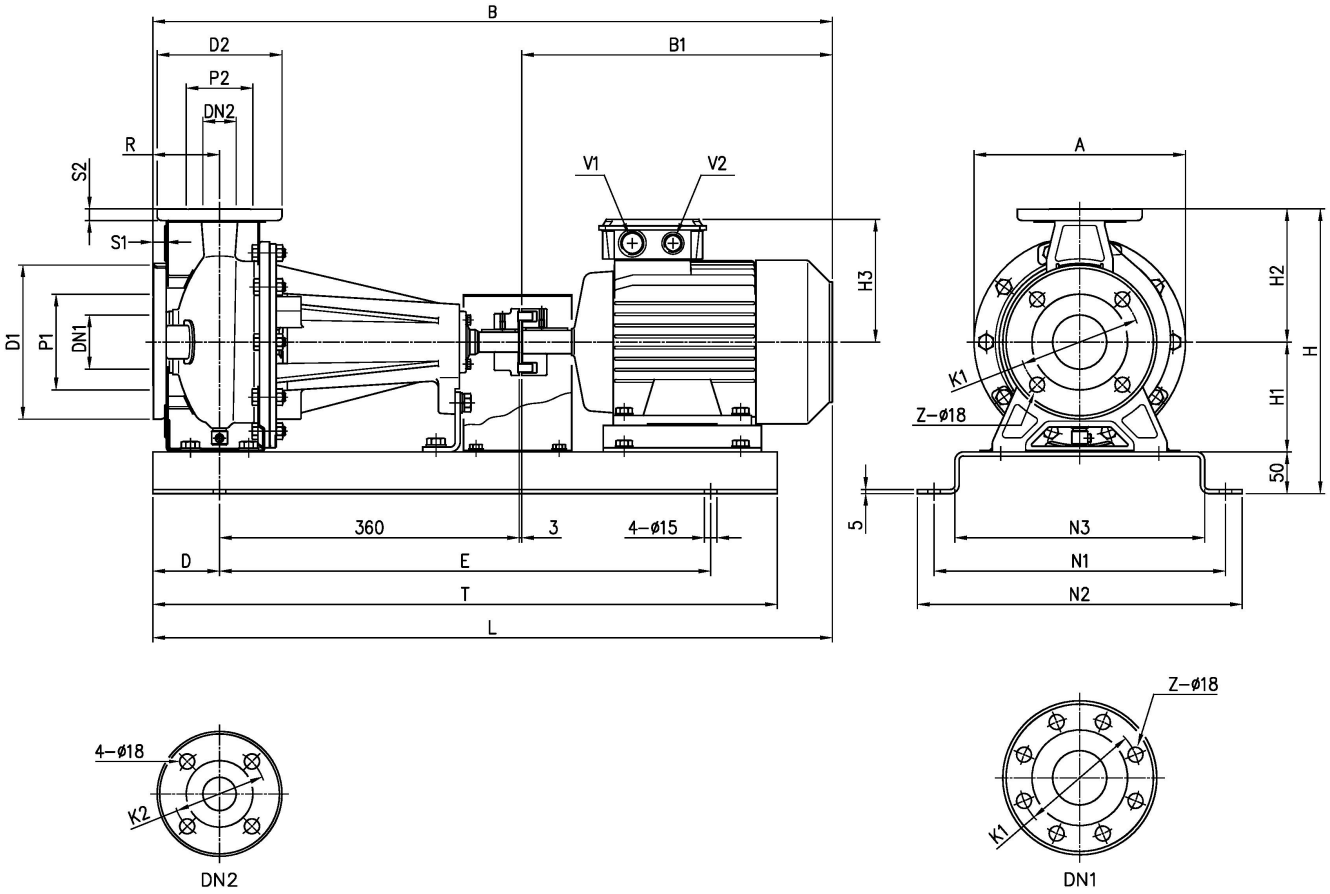

DN2

DN1

Dimensions in	mm							
1	A	296	H2	180				
2	B	1071	H3	238				
3	B1	608	L	1071				
4	D	100	N1	380				
5	Dia D1	185	N2	420				
6	Dia D2	150	N3	330				
7	Dia DN1	65	R	100				
8	Dia DN2	40	S1	16				
9	Dia K1	145	S2	14				
10	Dia K2	110	T	1000				
11	Dia P1	115	V1	M40x1,5				
12	Dia P2	80	V2	M40x1,5				
13	E	800	Weight P&M	134,9 kg				
14	H	390	Z	4				
15	H1	160						

EBARA

(1/3)
Construction

Pump Name 3P 40-200/156

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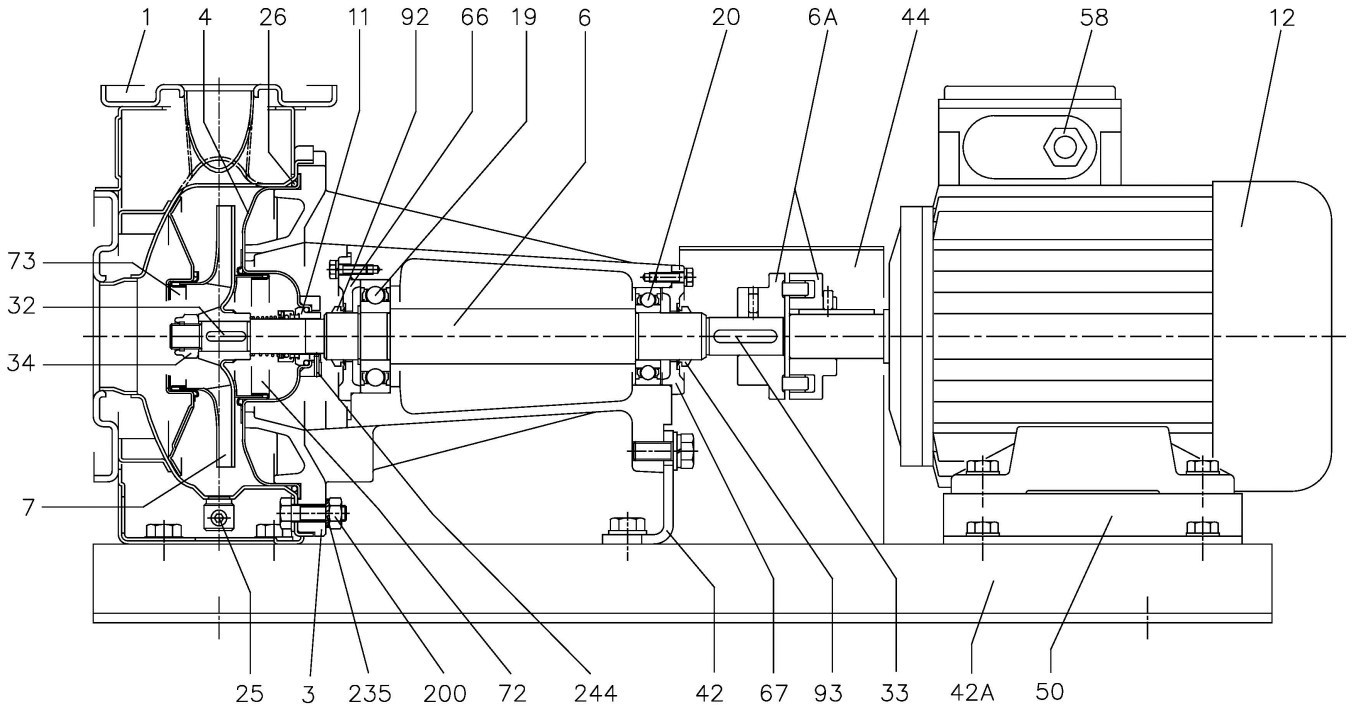

EBARA

(2/3)
Construction

Pump Name 3P 40-200/156

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E-mail	Project ID	Proiect redenumit 2024-06-20 14:51:23	E-mail

(3/3)
Construction

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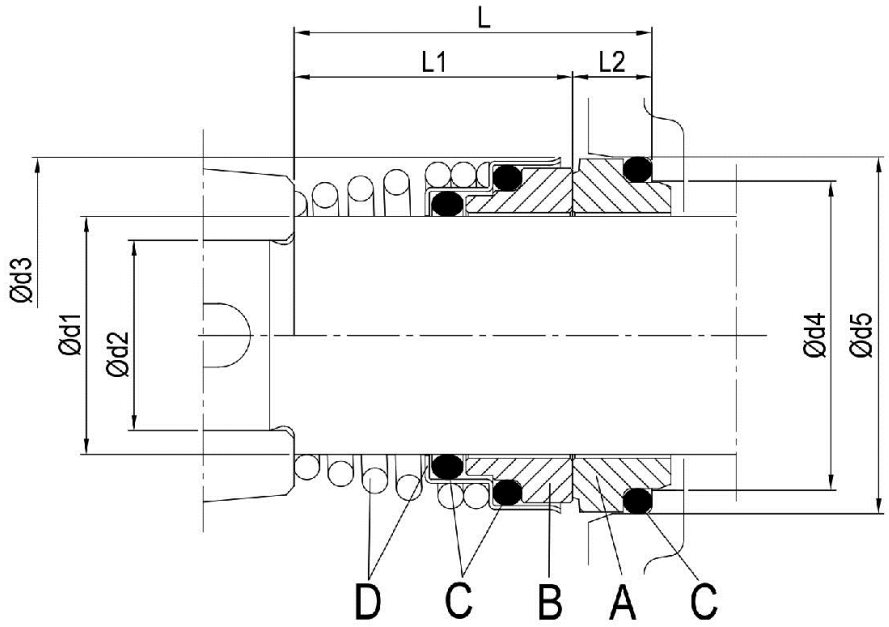

Pump type	Dimensions [mm]								Material Standard			
	d1	d2	d3	d4	d5	L	L1	L2	A Stationary seal ring	B Rotary seal ring	C O-ring	D Frame + spring
32-125/160/200 40-125/160/200 50-125/160 65-125 65-160/7.56-9.26-116	22	19	38	31	37	37.5	27.5	10	Carbon	Ceramic	NBR	EN 1.4301 (AISI 304)