

Technical Data

Pump Name

3S 40-200/7.5

Customer	Date	2024-06-12	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-12 12:10:37	E-mail

Requested data

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

Pump

9	Pump Name	3S 40-200/7.5	Frequency	Hz	50
10	Design	CENTRIFUGAL PUMPS	Installation type		STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm	200
12	Speed rpm	2900		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	42
16	Max Working Pressure bar	10		Min- m³/h	12
17	Shut-off head bar	5.68	Head	Operating m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m	44.0
19	Shaft power kW			- (Qmin.) m	57.0
20			Max. Shaft Power at max. impeller	kW	7.00
21	Required pump NPSH m		Efficiency	%	

Materials

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

Motor

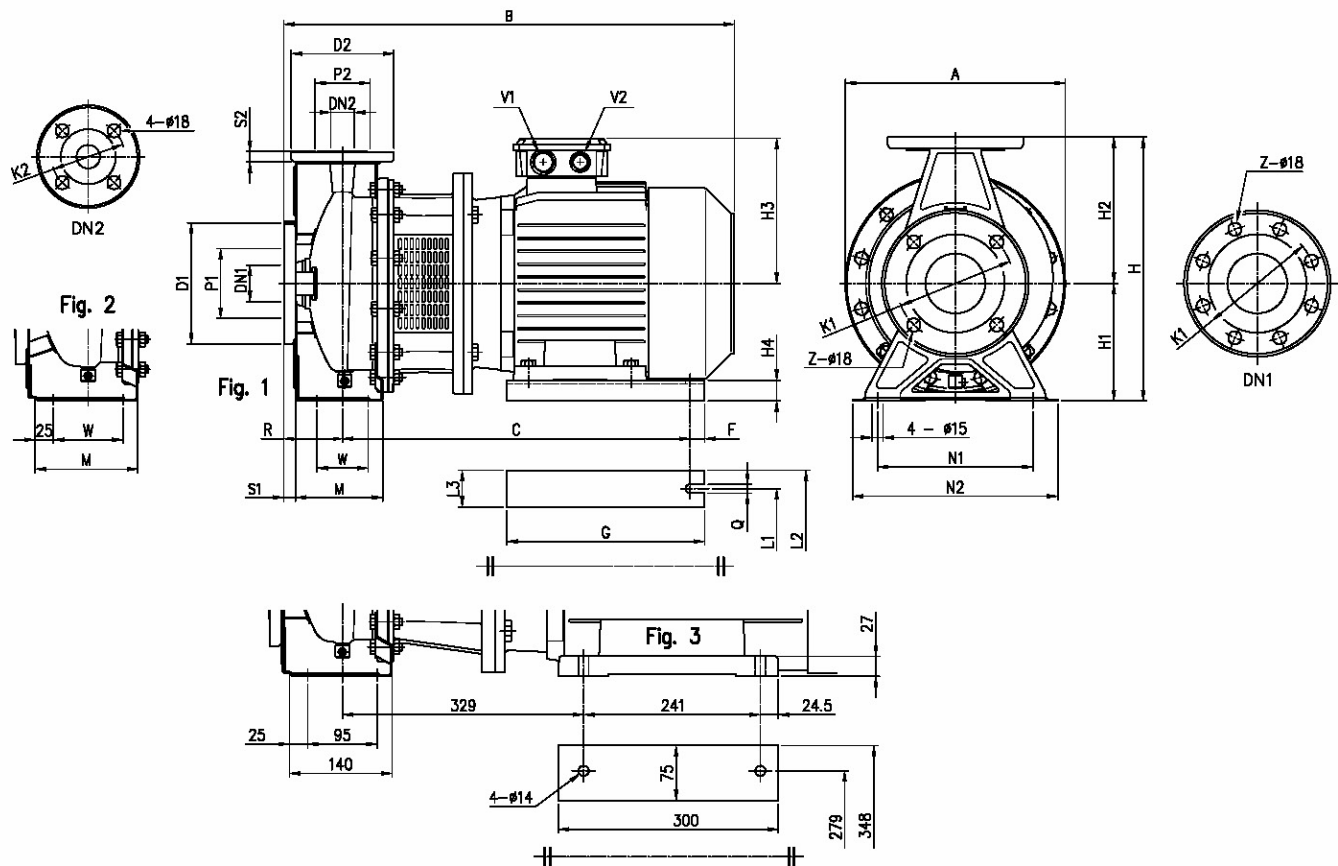
28	Manufacturer	LAFERT	Insulation class	F
29	Type	TEFC_3S40-200/7.5_400_Three Phase	Phases	3~
30	Specific design	IE3 / 50 Hz / Pole pairs 1	Frame size	132 S
31	Rated power kW	7.5	Weight kg	53
32	Number of poles	2	Electric voltage V	400
33	Speed rpm	2900	Electric current A	13.1
34	Degree of protection			
35				

Remarks

Dimensions

Pump Name 3S 40-200/7.5

Customer	Date 2024-06-12	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID Project redenumit 2024-06-12 12:10:37	E-mail



Dimensions in mm							
1	A	300	H1	160	V2	[M32x1].5	
2	B	627	H2	180	W	70	
3	C	479	H3	198	Weight P&M	82 kg	
4	Dia D1	185	H4	28	Z	4	
5	Dia D2	150	L1	216			
6	Dia DN1	65	L2	266			
7	Dia K1	145	L3	50			
8	Dia K2	110	M	115			
9	Dia P1	115	N1	212			
10	Dia P2	80	N2	265			
11	DN2	40	Q	12			
12	F	15	R	100			
13	Fig	2	S1	16			
14	G	270	S2	14			
15	H	340	V1	[M32x1].5			

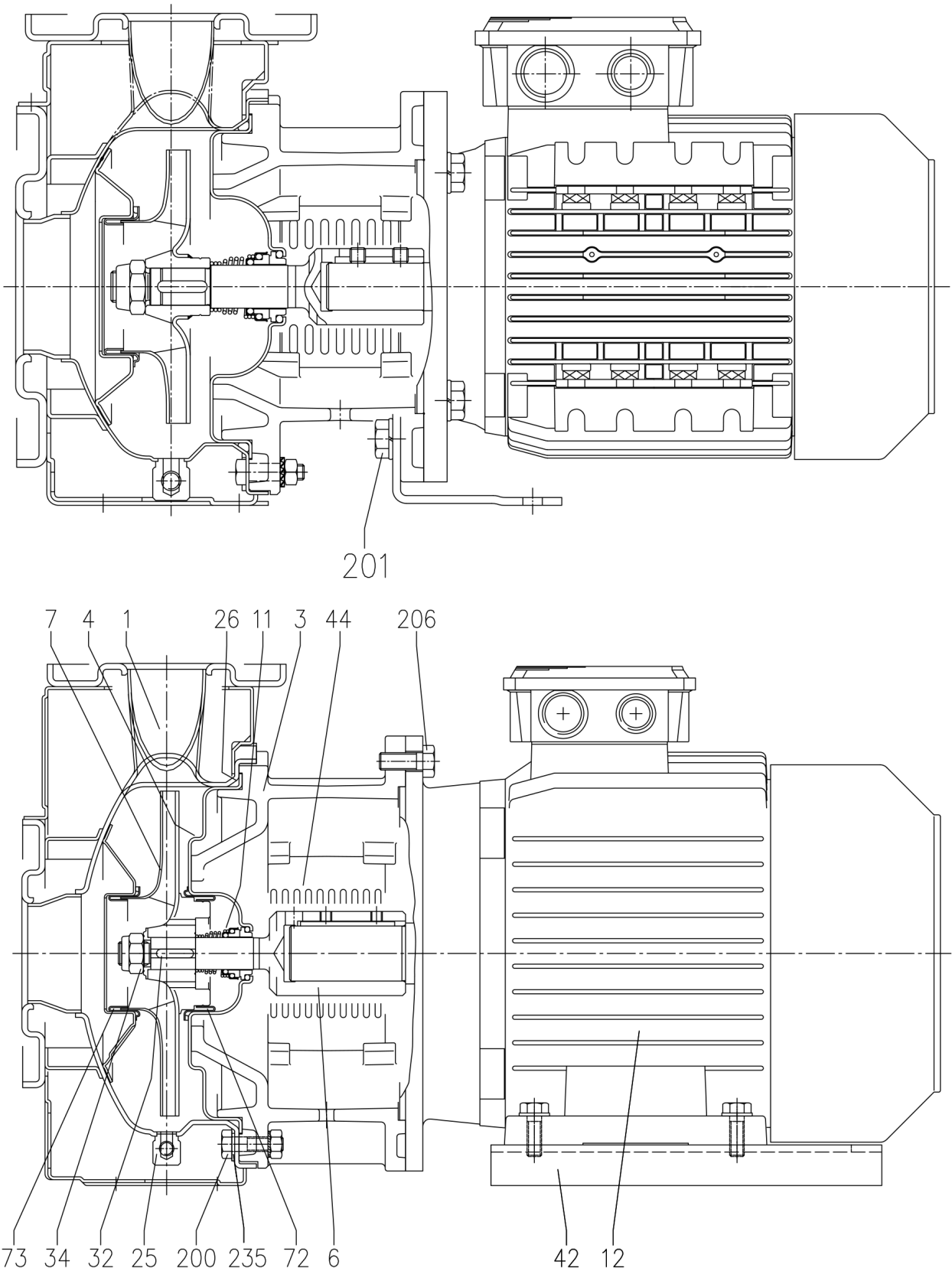
(1/3)

Construction

Pump Name

3S 40-200/7.5

Customer	Date2024-06-12	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project IDProject redenumit 2024-06-12 12:10:37	E-mail



(2/3)

Construction

Pump Name 3S 40-200/7.5

Customer	Date 2024-06-12	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID Project redenumit 2024-06-12 12:10:37	E-mail

Nº	PART NAME	MATERIAL		DIMENSIONS	STANDARD	Q.TY
		3S	3LS			
1	Casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)			1
3	Motor bracket	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
11	Mechanical seal	Carbon/Ceramic/NBR	SiC/SiC/FPM	[5]		1
12	Motor	-				1
25	Draining plug	EN 1.4401 (AISI 316) / PTFE		R 1/8" L=8	DIN 906	1
26	O ring	NBR [6]	FPM	158.11x5.34	OR 6625	1
				183.52x5.34	OR 6720	
				227.96x5.34	OR 6895	
32	Key		EN 1.4401 (AISI 316)	6x6x25	UNI 6604	1
				15 kW and above		
34	Impeller nut	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	M16x1.5	UNI 7474	1
				50-200/15		
42	Foot	Aluminium / Galvanized steel				[1]
44	Protection	EN 1.4301 (AISI 304)			EBARA DRAWING	1
72	Casing ring [3]	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)			1
73	Casing ring (not for 65 version)	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)			1
200	Screw	Stainless steel A2 70 class ISO 3506/1		M 8x30	UNI 5739	8
				M 10x35	UNI 5739	[3]
201	Screw	Galvanized Steel 8.8 strenght class ISO 898/1		M 10x16	UNI 5739	[4]
206	Screw for bracket	Galvanized Steel 8.8 strenght class ISO 898/1		M 10x40	UNI 5739	4
235	Washer	Stainless steel A2 70 class ISO 3506/1		M 8.4x17	UNI 6592	8
				M 10.5x21	UNI 6592	[3]

[1] Quantity =1 for version for 32, 40, 50,

[2] Only for version 32-200, 40-200, 50-160, 50-200

[3] Quantity =10 for 32-160, 40-160, 50-125,

Quantity =12 for 32-200, 40-200, 50-160, 50-200,

[4] Only for version 32-125/1.1, 32-160/1.5, 32-160/1.5, 32-160/2.2, 40-125/1.5, 40-125/2.2, 50-125/2.2

[5] Special version: see CONSTRUCTION 3

[6] FPM for H-HS-HW-HSW version

EPDM for E version and for special seals (Q1AEGG, U3U3EGG, Q1Q1EGG, Q1U3EGG, U3CEGG)

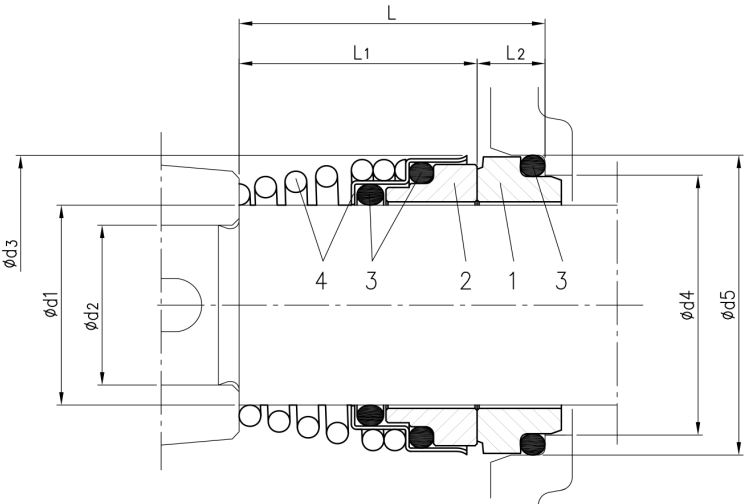
(3/3)

Construction

Pump Name

3S 40-200/7.5

Customer	Date	2024-06-12	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-12 12:10:37	E-mail



Version	Pump type	Dimensions								Material			
		d1	d2	d3	d4	d5	L	L1	L2	1 Stationary seal ring	2 Rotary seal ring	3 Rubber	4 Frame + Spring
Standard	32-125/160/200	22	19	38	31	37	37.5	27.5	10	Carbon	Ceramic	NBR	EN 1.4401 (AISI 316)
	40-125/160/200												
	50-125/160/200												
	65-125												
	65-160/7.5-9.2-11	30	24	46	39	45	42.5	32.5	10				
	65-160/15												
65-200													