

Technical Data

Pump Name

3P 32-200/7.5

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	Density	kg/m³
7	Available system NPSH		Solids	Weight %
8	Ambient temperature	°C		

Pump

9	Pump Name	3P 32-200/7.5	Frequency	Hz	50
10	Design	CENTRIFUGAL PUMPS	Installation type		STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max.	mm
12	Speed	rpm		Designed	mm
13	No. of Stage	1		Min.	mm
14	Connection	Suction side	Flow	Operating	m³/h
15	Connection	Discharge side		Max-	m³/h
16	Max Working Pressure	bar		Min-	m³/h
17	Shut-off head	bar	Head	Operating	m
18	Total weight	kg		- (Qmax.)	m
19	Shaft power	kW		- (Qmin.)	m
20			Max. Shaft Power at max. impeller	kW	6.28
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_3P32-200/7.5_400_Three Phase	Phases	3~
30	Specific design	IE3 / 50 Hz / Pole pairs 1	Frame size	132S
31	Rated power	kW	Weight	kg
32	Number of poles	2	Electric voltage	V
33	Speed	rpm	Electric current	A
34	Degree of protection			
35				

Remarks

Performance Curve

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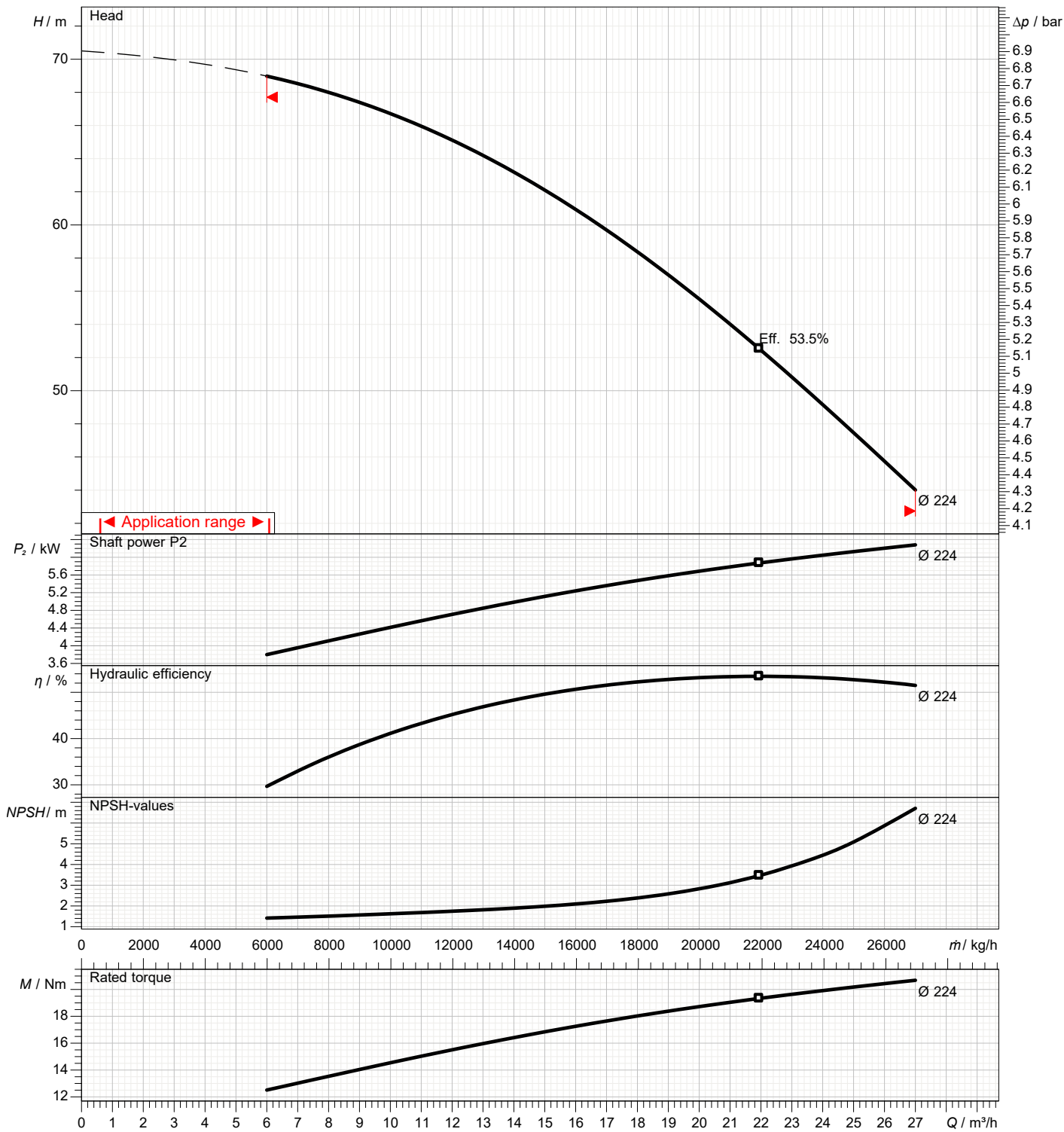
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		2
Impeller diameter designed	mm	224	Speed	rpm	2900

Test standard: ISO 9906:2012 - Grade3B

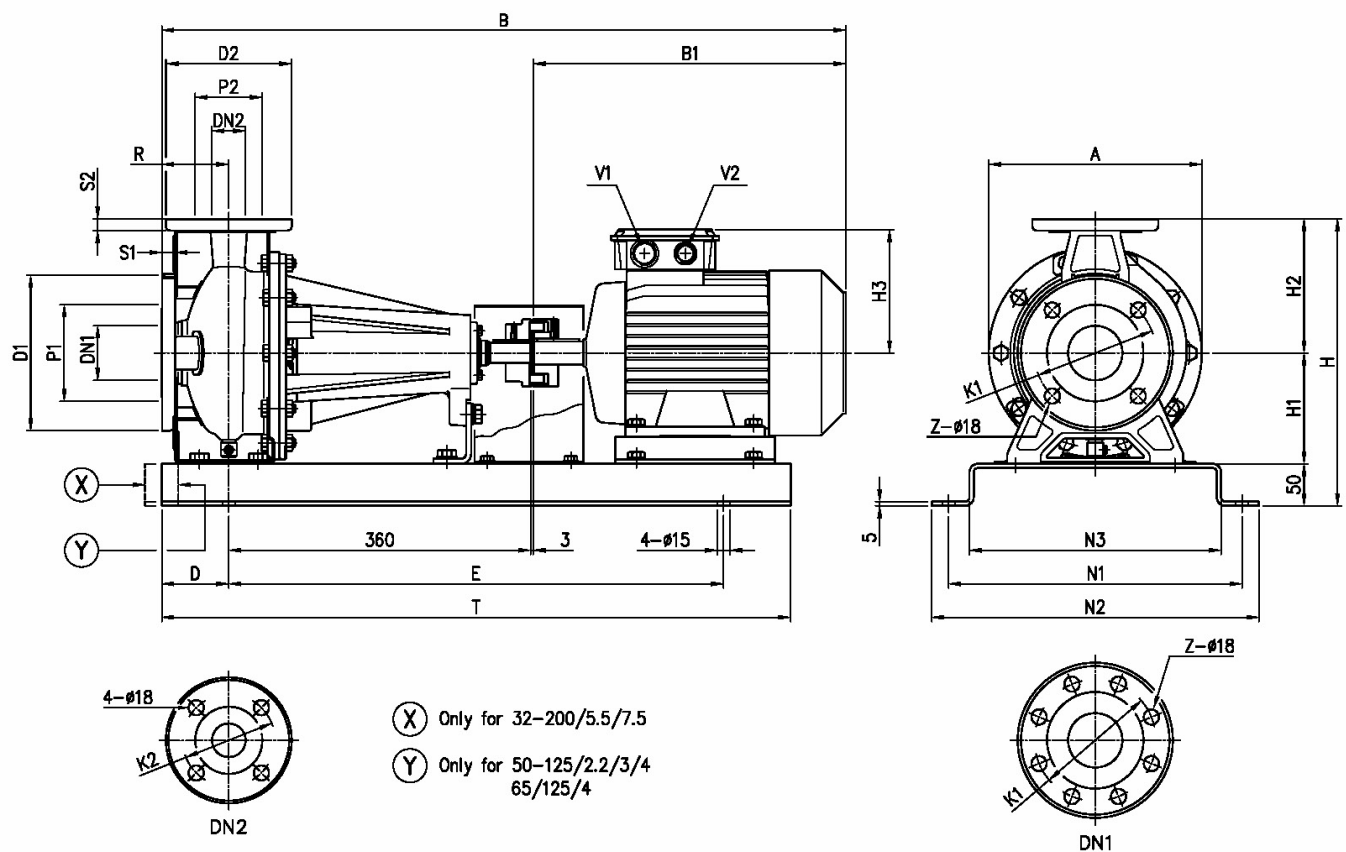
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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Dimensions in mm							
1	A	296	H2	180			
2	B	885	H3	198			
3	B1	442	N1	350			
4	D	100	N2	390			
5	Dia D1	165	N3	300			
6	Dia D2	140	R	80			
7	Dia DN1	50	S1	16			
8	Dia DN2	32	S2	14			
9	Dia K1	125	T	850			
10	Dia K2	100	V1	[M32x1].5			
11	Dia P1	95	V2	[M32x1].5			
12	Dia P2	75	Weight P&M	[112].2 kg			
13	E	650	Z	4			
14	H	390					
15	H1	160					

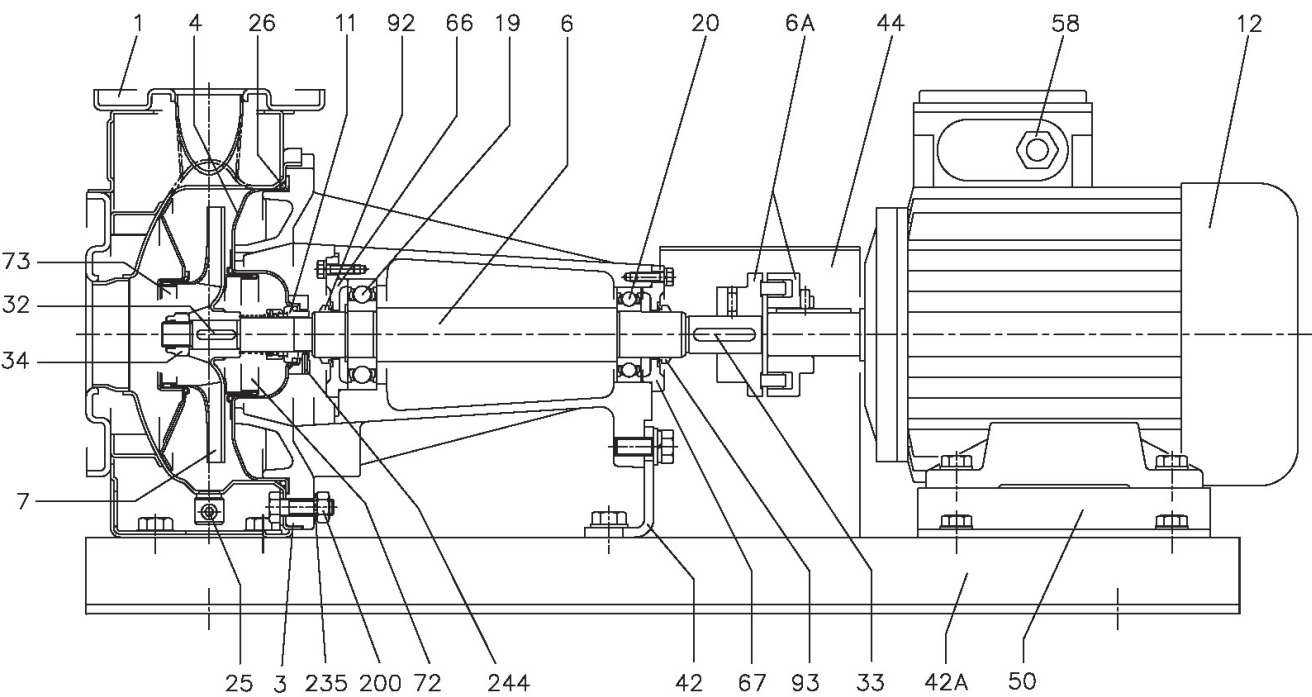
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Construction

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3P 32-200/7.5

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Construction

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Nº	PART NAME		MATERIAL		DIMENSIONS	STANDARD	Q.TY
			3P	3LP			
1	Casing	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)				1
3	Support	Cast iron EN-GJL-200-EN 1561					1
4	Casing cover	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)				1
6	Shaft - Part in contact with liquid	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)				1
6 A	Flexible coupling	Cast iron EN-GJL-250-EN 1561					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
19	Bearing	-					1
20	Bearing	-					1
25	Draing plug	EN 1.4401 (AISI 316) / PTFE			R 1/8" L=8	DIN 906	1
26	O ring	32-125, 40-125	NBR [4]	FPM	158.11x5.34	OR 6625	1
		32-160, 40-160, 50-125, 65-125			183.52x5.34	OR 6720	
		32-200, 40-200, 50-160, 50-200, 65-160, 65-200			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		
33	Key	C 40			8x7x40	UNI 6604	1
34	Impeller nut	Up to 11kW	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	M16x1.5	UNI 7474	1
		50-200/15			M18x1.5		
		15 kW and above			M20x1.5		
42	Pump support	Fe 37 Galvanized				EBARA DRAWING	1
42 A	Base	Fe 37 Galvanized					1
44	Protection	Fe 37 Galvanized					1
50	Foot	Aluminium / Galvanized steel					1
58	Fasting nut	-					1
66	Impeller side bearing cover	Cast iron EN-GJL-200-EN 1561					1
67	Motor side bearing cover	Cast iron EN-GJL-200-EN 1561					1
72	Casing ring [1]	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
92	O ring	-			VS - 0030		1
93	O ring	-			VS - 0030		1
200	Screw	32-125, 40-125	Stainless steel A2 70 class ISO 3506/1		M 8x30	UNI 5739	8
		40-160, 40-200, 50-125, 50-160, 50-200, 65-125, 65-160, 65-200			M 10x35	UNI 5739	[2]
244	Pin [3]	/	EN 1.4301 (AISI 304)		4x15		1

- [1] For version: 32-200/3, 32-200/4, 32-200/5.5, 40-200/5.5, 40-200/5.5, 40-200/7.5, 40-200/11, 50-160/5.5, 50-160/7.5, 50-200/9.2, 50-200/11, 50-200/15
- [2] Quantity =10 for 32-160, 40-160, 50-125, 65-125
Quantity =12 for 32-200, 40-200, 50-160, 50-200, 65-160, 65-200
- [3] Only for 65-160/15 and 65-200
- [4] FPM for H-HS-HW-HSW version
EPDM for E version and Special Seals Q1Q1EGG, Q1U3EGG, U3CEGG, Q1AEGG, U3U3EGG.
(U3U3EGG is not available for model 65-160/15 and model 65-200)
- [5] Special version: see CONSTRUCTION 3

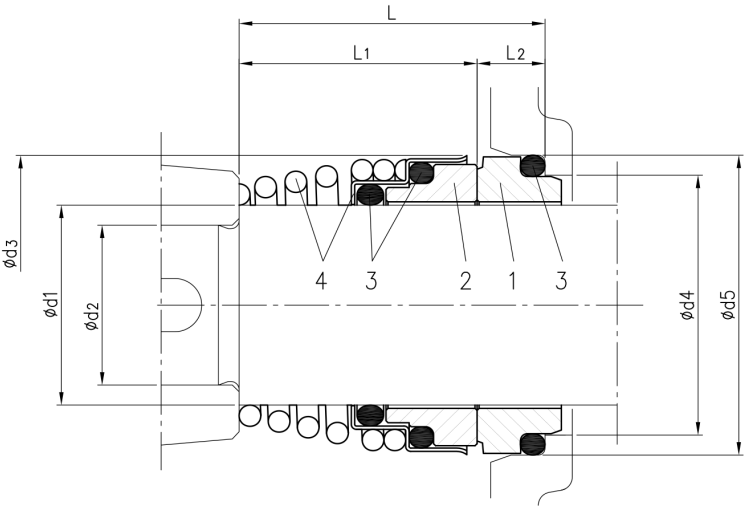
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Construction

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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													