

3LS4 50-160/1.1

Performance Curve

Pump Name

3LS4 50-160/1.1

Customer	Date	10.06.2024	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID		E-mail

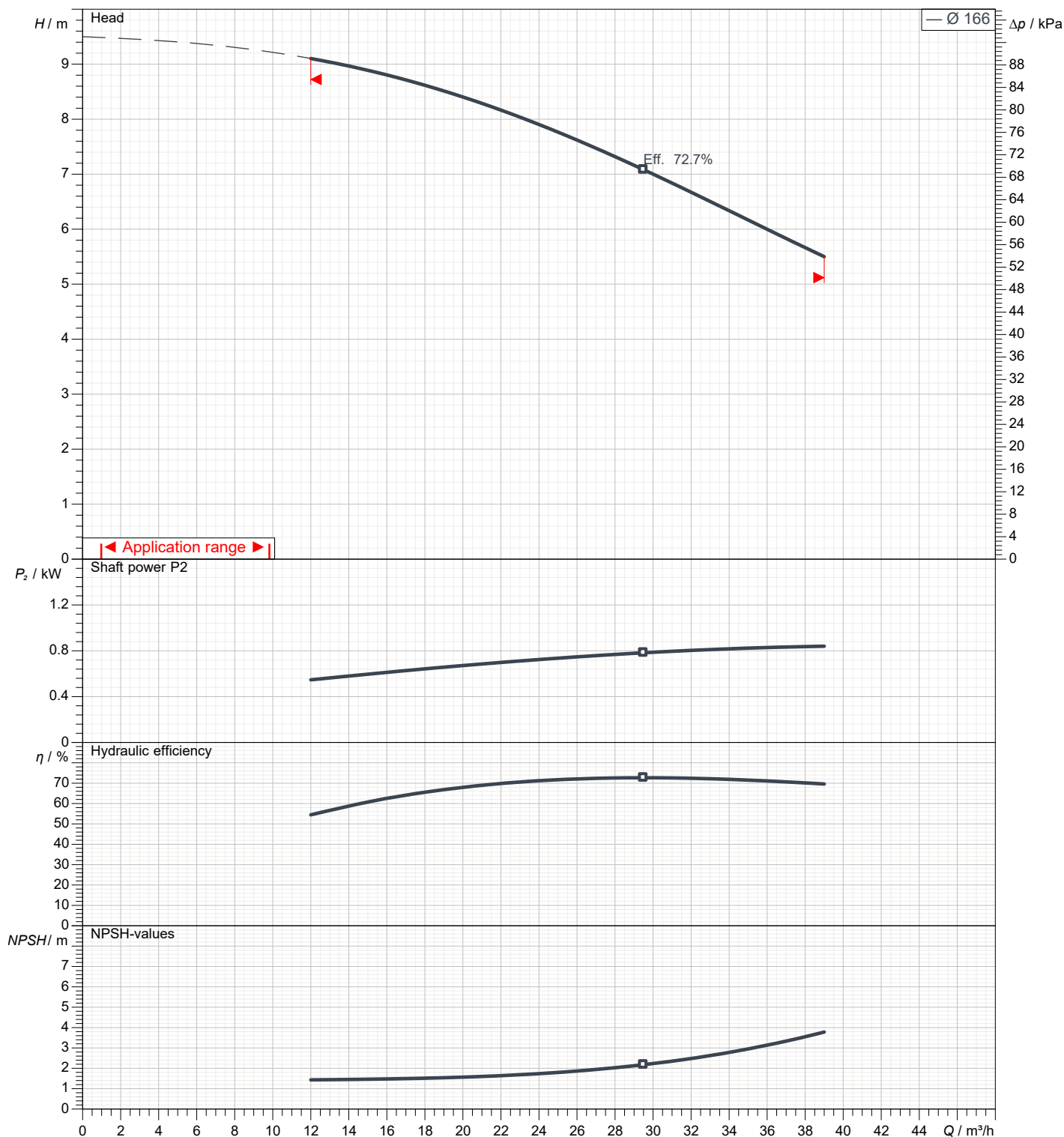
Requested data

1	Flow	m³/h		Operating flow	m³/h		Frequency	Hz	50
2	Head	m		Operating head	m		Number of poles		4
3	Geodetic head	m		Impeller diameter designed	mm	166	Speed	rpm	1400

Pump

Test standard: ISO 9906:2012 - Grade3B

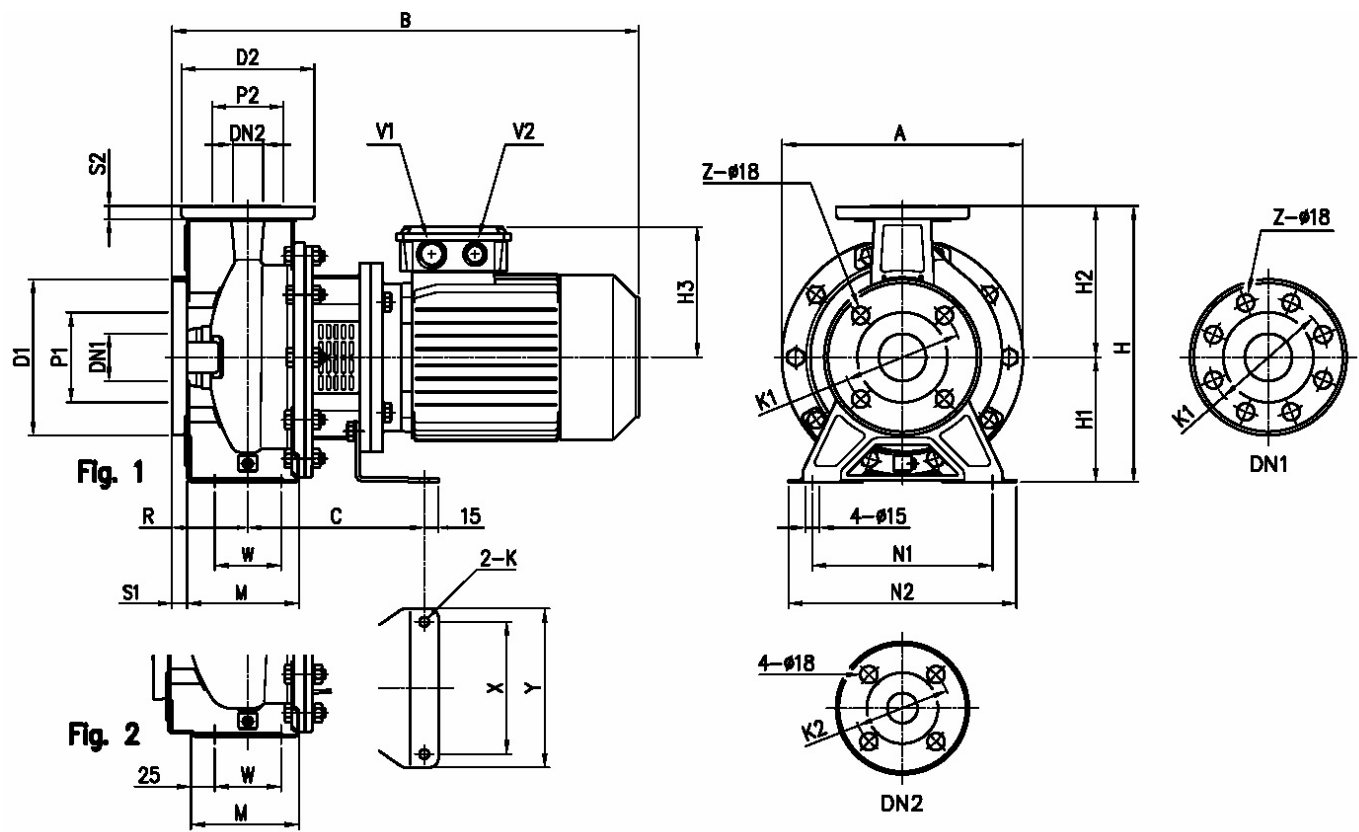
Water; 20°C; 998.3kg/m³; 1cSt



Dimensions

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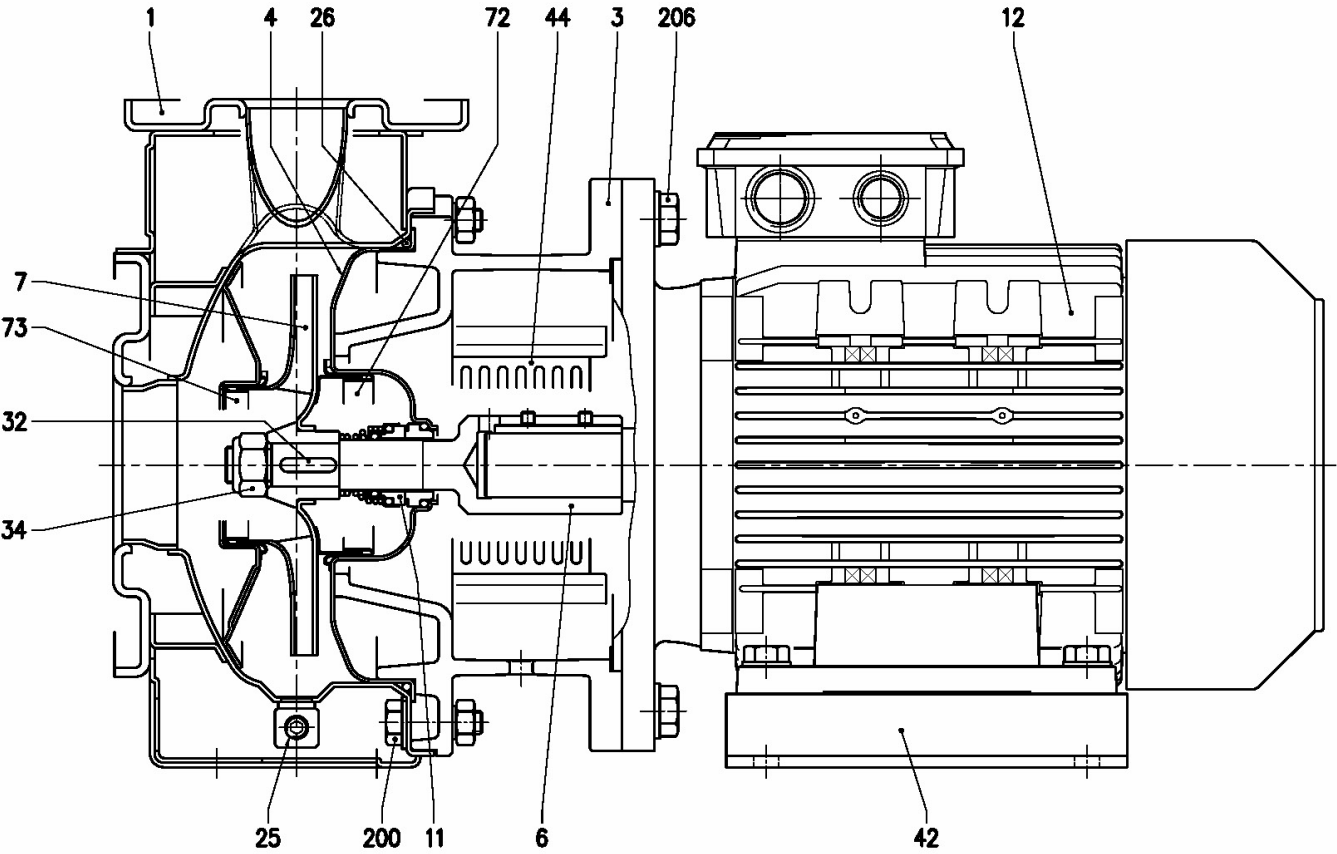


Dimensions in mm								
1	A	296	H3	148				
2	B	497	K	10				
3	C	186	M	115				
4	Dia D1	185	N1	212				
5	Dia D2	165	N2	265				
6	Dia DN1	65	R	100				
7	Dia DN2	50	S1	16				
8	Dia K1	145	S2	16				
9	Dia K2	125	V1	M25X1,5				
10	Dia P1	115	V2	M20X1,5				
11	Dia P2	95	W	70				
12	Fig	2	Weight P&M	31,8 kg				
13	H	340	X	140				
14	H1	160	Y	168				
15	H2	180	Z	4				

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Construction

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N°	PART NAME		MATERIAL		DIMENSIONS	STANDARD	Q.TY
			3S4	3LS4			
001	Casing		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)			1
003	Motor bracket		Cast iron EN-GJL-200-EN 1561				1
004	Casing cover		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)			1
006	Coupling - Part in contact with liquid		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)			1
007	Impeller	32, 40, 50 65-125/160/200	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)			1
011	Mechanical seal	[4]	Carbon/Ceramic/NBR	SiC/SiC/FPM			1
012	Motor		-				1
025	Draing plug		EN 1.4401 (AISI 316) / PTFE		R 1/8" L=8	DIN 906	1
026	"O" ring	32-125, 40-125	NBR [5]	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	
032	Key		EN 1.4401 (AISI 316)		6x6x25	UNI 6604	1
034	Impeller nut	Other model 50-200/2.2	EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)	M16x1.5 M18x1.5	UNI 7474	1
042	Foot		Galvanized steel				[1]
044	Protection		EN 1.4301 (AISI 304)			EBARA DRAWING	2
072	Casing ring (not for 65 version) [2]		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)			1
073	Casing ring (not for 65 version)		EN 1.4301 (AISI 304)	EN 1.4404 (AISI 316L)			1
200	Screw	32-125, 40-125 40-160, 40-200, 50-125, 50-160, 50-200, 65-125, 65-160, 65-200	Stainless steel A2 70 class ISO 3506/1		M 8x30	UNI 5739	8
		M 10x35			UNI 5739	[3]	
206	Screw	up to 0.37kW	Gv. Steel 8.8 strenght class ISO 898/1		M 8x20	UNI 5739	4
		from 0.55 to 1.5kW			M 10x25		
		for 2.2 and 3kW			M 12x30		

- [1] Quantity = 1 up to 1.5kW
Quantity = 2 for 2.2 and 3kW
- [2] Only for version 32-200, 40-200, 50-160, 50-200
- [3] 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
- [4] Special version: see CONSTRUCTION 3
- [5] FPM (H-HS-HW-HSW version)
EPDM (E version)

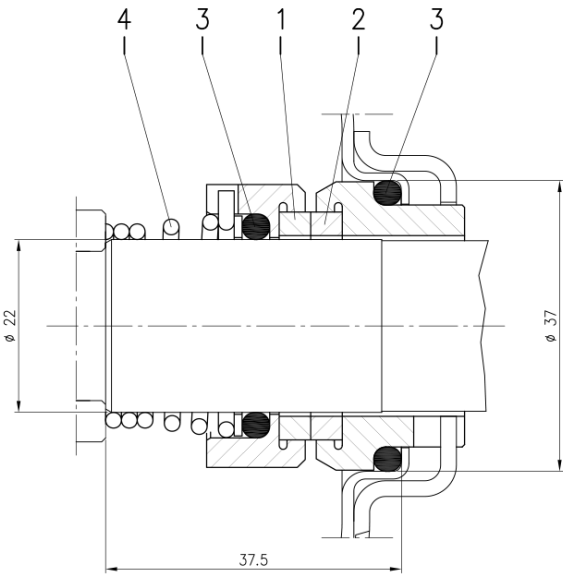
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Version	Pump type	Material			
		1 Stationary seal ring	2 Rotary seal ring	3 Rubber	4 Frame + spring
L ø22	32-125/160/200 40-125/160/200 50-125/160/200 65-125/160/200 80-160	SiC	SiC	FPM	EN 1.4571 (AISI 316Ti)