

Technical Data

Pump Name

GS4 200-400-420/M/200

Customer	Date	2024-06-14	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-14 18:50:31	E-mail

Requested data

1	Pump type	End Suction Volute Pump	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	GS4 200-400-420/M/200	Frequency Hz	50
10	Design	End Suction Volute Pump	Installation type	with fabricated base, motor
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 420
12	Speed rpm	1450		Designed mm 420
13	No. of Stage	1		Min. mm 326
14	Connection Suction side	EN PN16	Flow	Operating m³/h
15	Connection Discharge side	EN PN16		Max- m³/h 1320
16	Max Working Pressure bar	16		Min- m³/h 166
17	Shut-off head bar	5.59	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 43.9
19	Shaft power kW			- (Qmin.) m 56.9
20			Max. Shaft Power at max. impeller kW	185.80
21	Required pump NPSH m		Efficiency %	

Materials

22	Casing	Cast iron		
23	Impeller	Ductile cast iron		
24	Shaft	Cr. Steel		
25	Case wear ring	Bronze		
26	O-ring	EPDM		
27	Mechanical seal	SiC/Carbon/EPDM		

Motor

28	Manufacturer	TECHTOP	Insulation class	F
29	Type	315L2_200_3_400	Phases	3~
30	Specific design	TEFC/B3/IE3/TC / 50 Hz / Pole pairs 2	Frame size	315L2_4P
31	Rated power kW	200	Weight kg	1366
32	Number of poles	4	Electric voltage V	400
33	Speed rpm	1480	Electric current A	334
34	Degree of protection	IP55		
35				

Remarks

Performance Curve

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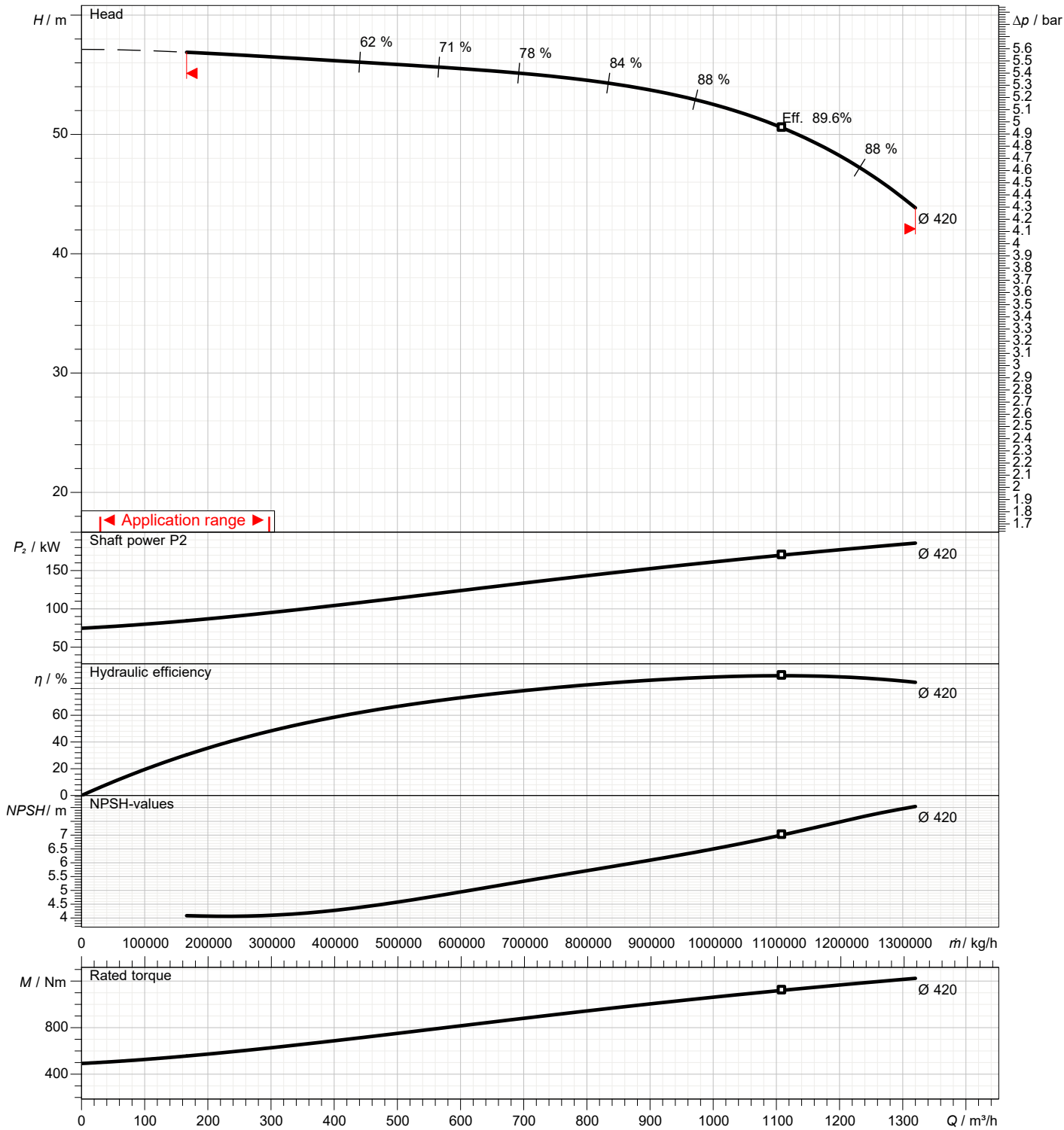
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		4
Impeller diameter designed	mm	420	Speed	rpm	1450

Test standard: ISO 9906:2012 - Grade3B

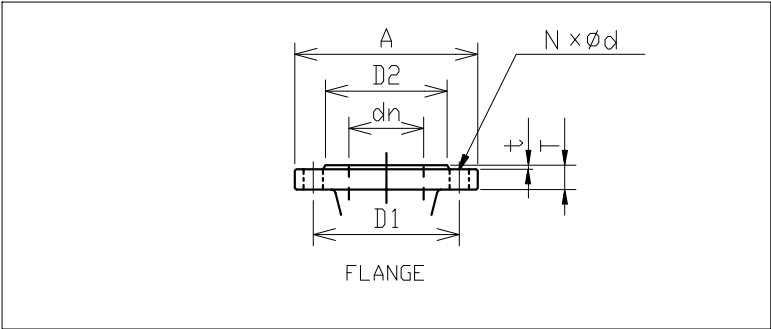
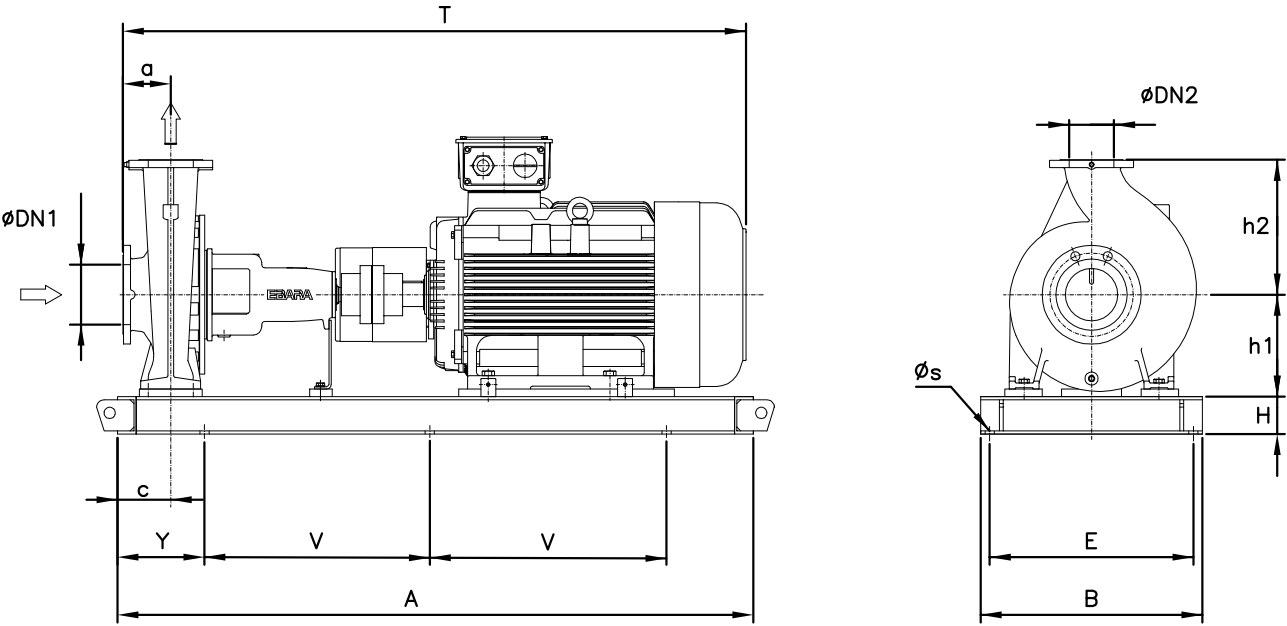
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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Total weight : 1930 kg

Pump dimensions				mm		Suction side		mm		Discharge side		mm	
a	180					A	405			A	340		
A	2260					d	28			d	23		
B	820					D1	355			D1	295		
c	295					D2	319			D2	266		
DN1	250					dn	250			dn	200		
DN2	200					N	12(Num)			N	12(Num)		
E	760					t	2			t	2		
H	160					T	32			T	30		
h1	385												
h2	560												
s	20												
T	2127												
V	900												
Y	230												

Construction

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