

# Technical Data

Pump Name

GS4 32-160-177/B/0.75

Customer	Date	2024-06-14	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-14 18:50:3	E-mail

## Requested data

1	Pump type	End Suction Volute Pump	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	GS4 32-160-177/B/0.75	Frequency	Hz	50	
10	Design	End Suction Volute Pump	Installation type		with base, motor	
11	Manufacturer	EBARA	Impeller Diameter	Max.	mm	
12	Speed	rpm		1450	Designed	mm
13	No. of Stage	1		Min.	mm	139
14	Connection	Suction side	EN	PN16	Flow	
15	Connection	Discharge side	EN	PN16		Operating
16	Max Working Pressure	bar	16			m³/h
17	Shut-off head	bar	1.00	Head	Operating	
18	Total weight	kg	See the table of "Dimensions".		- (Qmax.)	m
19	Shaft power	kW			- (Qmin.)	m
20				Max. Shaft Power at max. impeller	kW	
21	Required pump NPSH	m		Efficiency	%	

## Materials

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

## Motor

28	Manufacturer	WEG	Insulation class	F	
29	Type	80_0.75_3_400	Phases	3~	
30	Specific design	TEFC/B3/IE3/W22 / 50 Hz / Pole pairs 2	Frame size	80	
31	Rated power	kW	0.75	Weight	kg
32	Number of poles	4	Electric voltage	V	400
33	Speed	rpm	1420	Electric current	A
34	Degree of protection	IP55			1.62
35					

## Remarks

# Performance Curve

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**Requested data**

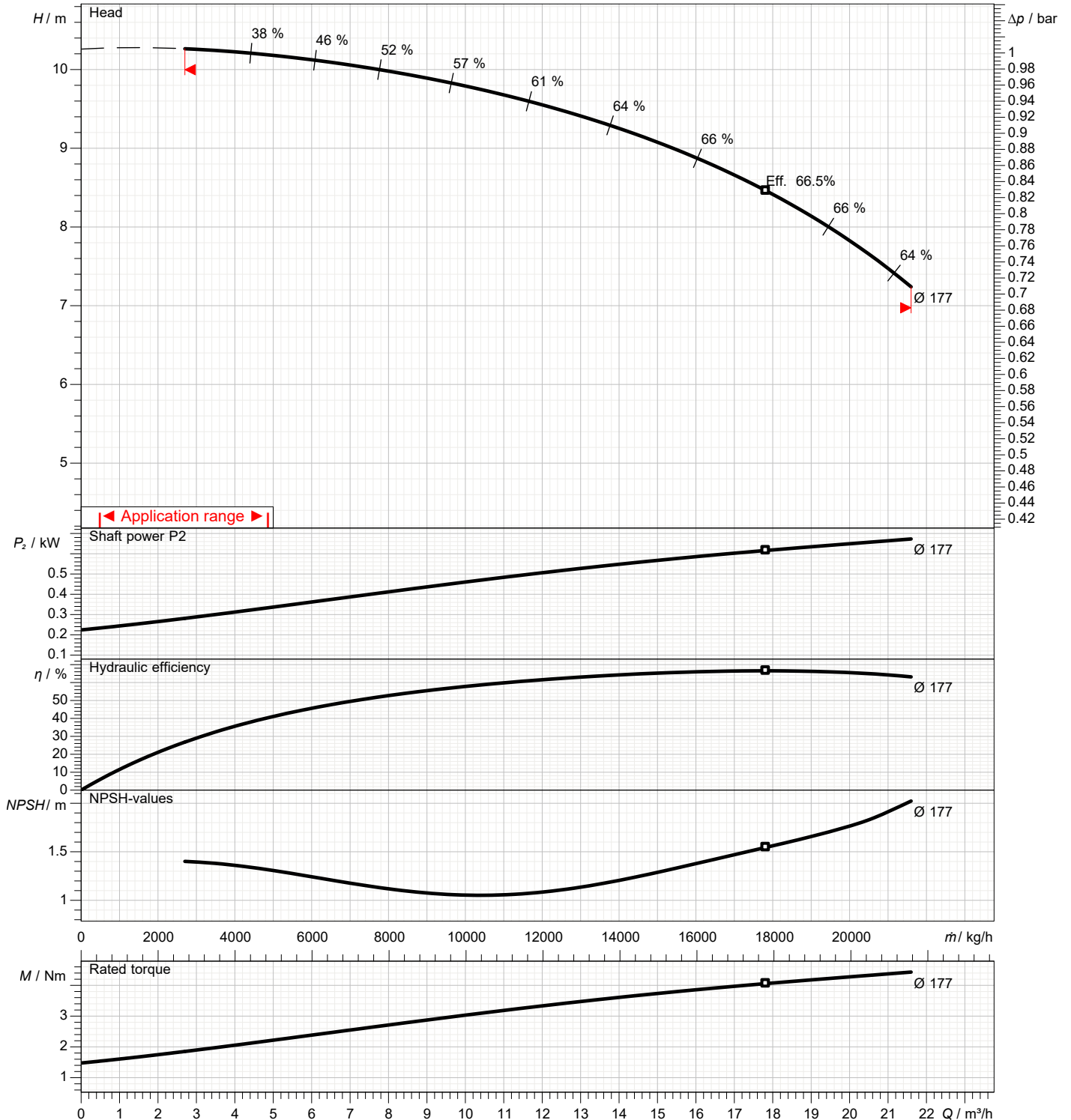
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

**Pump**

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		4
Impeller diameter designed	mm	177	Speed	rpm	1450

Test standard: ISO 9906:2012 - Grade3B

Water; 20°C; 998.3kg/m³; 1mm²/s



# Dimensions

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Total weight : 71 kg

Pump dimensions		mm	Suction side	mm	Discharge side	mm
a	80		A	165	A	140
A	900		d	19	d	19
B	390		D1	125	D1	100
c	80		D2	99	D2	76
DN1	50		dn	50	dn	32
DN2	32		N	4(Num)	N	4(Num)
E	350		t	2	t	2
H	50		T	20	T	18
h1	132					
h2	160					
s	18					
T	719					
V	600					
Y	150					

# Construction

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