

# Technical Data

Pump Name

GS2 40-200-219/B/18.5

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	GS2 40-200-219/B/18.5	Frequency	Hz	50	
10	Design	End Suction Volute Pump	Installation type		with base, motor	
11	Manufacturer	EBARA	Impeller Diameter	Max.	mm	
12	Speed	rpm		2900	Designed	mm
13	No. of Stage	1		Min.	mm	172
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	6.54	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	TECHTOP	Insulation class	F	
29	Type	160L_18.5_3_400	Phases	3~	
30	Specific design	TEFC/B3/E3/TC / 50 Hz / Pole pairs 1	Frame size	160L	
31	Rated power	kW	18.5	Weight	kg
32	Number of poles	2		Electric voltage	V
33	Speed	rpm	2920	Electric current	A
34	Degree of protection	IP55			
35					

## Remarks

# Performance Curve

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## Requested data

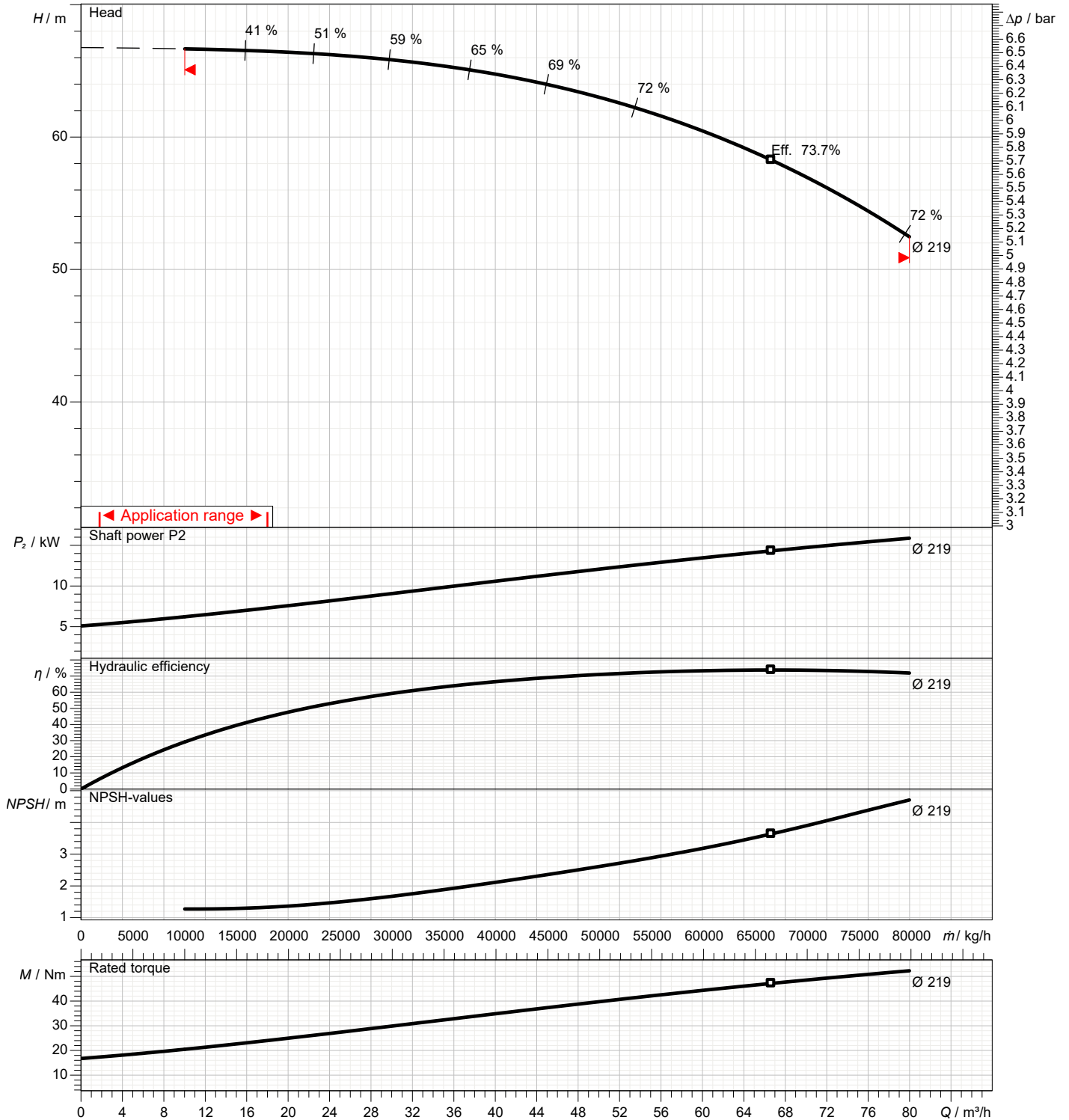
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

## Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		2
Impeller diameter designed	mm	219	Speed	rpm	2900

Test standard: ISO 9906:2012 - Grade3B

Water; 20°C; 998.3kg/m³; 1mm²/s



# Dimensions

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Total weight : 209 kg

Pump dimensions		mm	Suction side	mm	Discharge side	mm
a	100		A	185	A	150
A	1120		d	19	d	19
B	490		D1	145	D1	110
c	100		D2	118	D2	84
DN1	65		dn	65	dn	40
DN2	40		N	4(Num)	N	4(Num)
E	440		t	2	t	2
H	50		T	20	T	18
h1	160					
h2	180					
s	22					
T	1105					
V	740					
Y	190					

# Construction

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