

Technical Data

Pump Name

GS4 40-200-219/B/2.2

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 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 40-200-219/B/2.2	Frequency	Hz	50
10	Design	End Suction Volute Pump	Installation type	with base, motor	
11	Manufacturer	EBARA	Impeller Diameter	Max.	mm 219
12	Speed rpm	1450		Designed	mm 219
13	No. of Stage	1		Min.	mm 172
14	Connection Suction side	EN PN16	Flow	Operating	m³/h
15	Connection Discharge side	EN PN16		Max-	m³/h 40
16	Max Working Pressure bar	16		Min-	m³/h 5.1
17	Shut-off head bar	1.63	Head	Operating	m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.)	m 13.1
19	Shaft power kW			- (Qmin.)	m 16.6
20			Max. Shaft Power at max. impeller	kW	2.01
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	100L_2.2_3_400	Phases	3~
30	Specific design	TEFC/B3/IE3/W22 / 50 Hz / Pole pairs 2	Frame size	100L
31	Rated power kW	2.2	Weight	kg 31.5
32	Number of poles	4	Electric voltage	V 400
33	Speed rpm	1435	Electric current	A 4.56
34	Degree of protection	IP55		
35				

Remarks

Performance Curve

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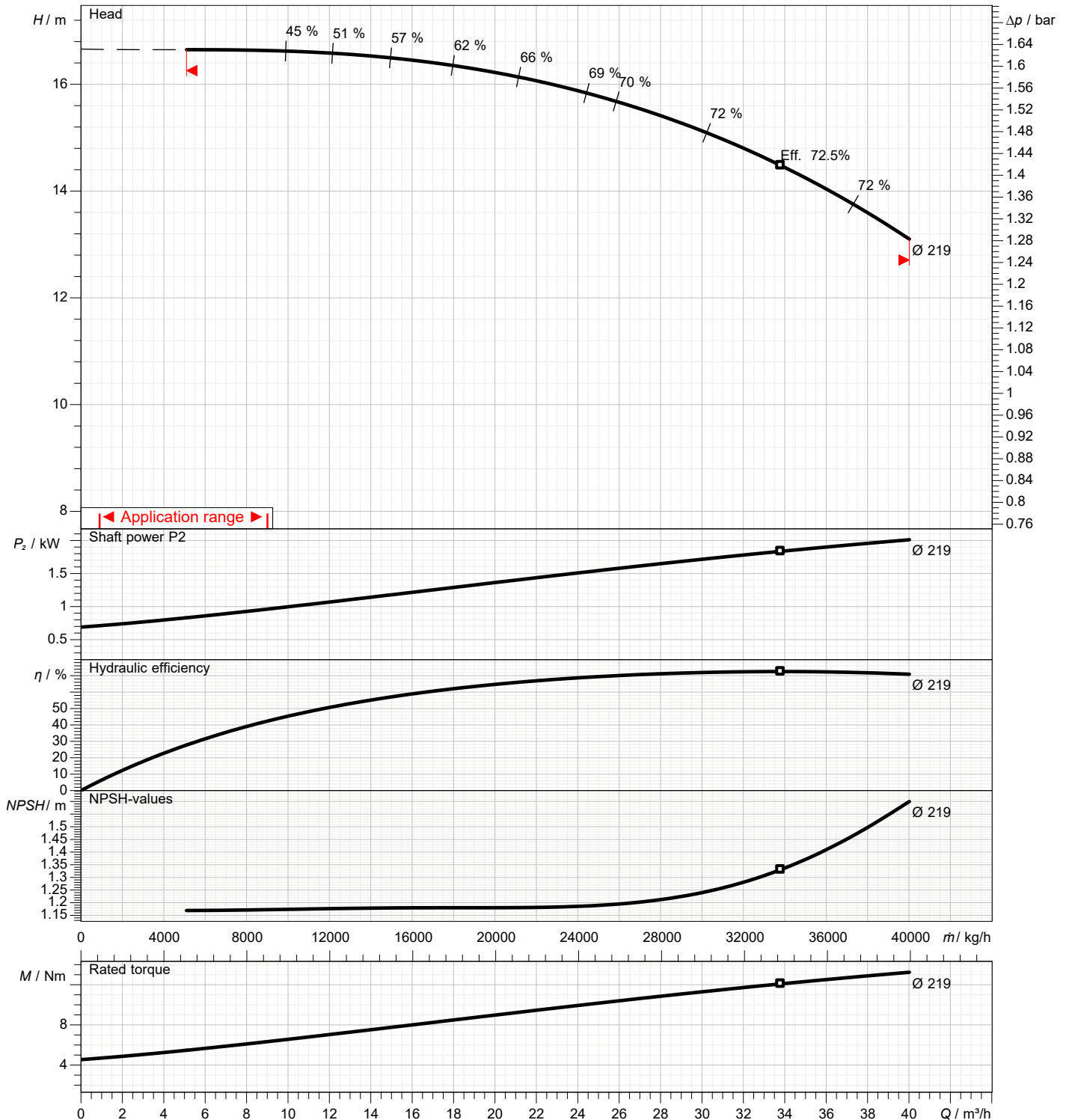
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		4
Impeller diameter designed	mm	219	Speed	rpm	1450

Test standard: ISO 9906:2012 - Grade3B

Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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Total weight : 105 kg

Pump dimensions		mm	Suction side	mm	Discharge side	mm
a	100		A	185	A	150
A	900		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	18					
T	839					
V	600					
Y	150					

Construction

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