

Technical Data

Pump Name

GS4 40-125-142/B/0.55

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 40-125-142/B/0.55	Frequency	Hz 50
10	Design	End Suction Volute Pump	Installation type	with base, motor
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 142
12	Speed	rpm 1450		Designed mm 142
13	No. of Stage	1		Min. mm 105
14	Connection	Suction side EN PN16	Flow	Operating m³/h
15	Connection	Discharge side EN PN16		Max- m³/h 30.1
16	Max Working Pressure	bar 16		Min- m³/h 3.72
17	Shut-off head	bar 0.65	Head	Operating m
18	Total weight	kg See the table of "Dimensions".		- (Qmax.) m 4.7
19	Shaft power	kW		- (Qmin.) m 6.7
20			Max. Shaft Power at max. impeller	kW 0.55
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_0.55_3_400	Phases	3~
30	Specific design	TEFC/B3/IE2/W22 / 50 Hz / Pole pairs 2	Frame size	80
31	Rated power	kW 0.55	Weight	kg 15
32	Number of poles	4	Electric voltage	V 400
33	Speed	rpm 1430	Electric current	A 1.26
34	Degree of protection	IP55		
35				

Remarks

Performance Curve

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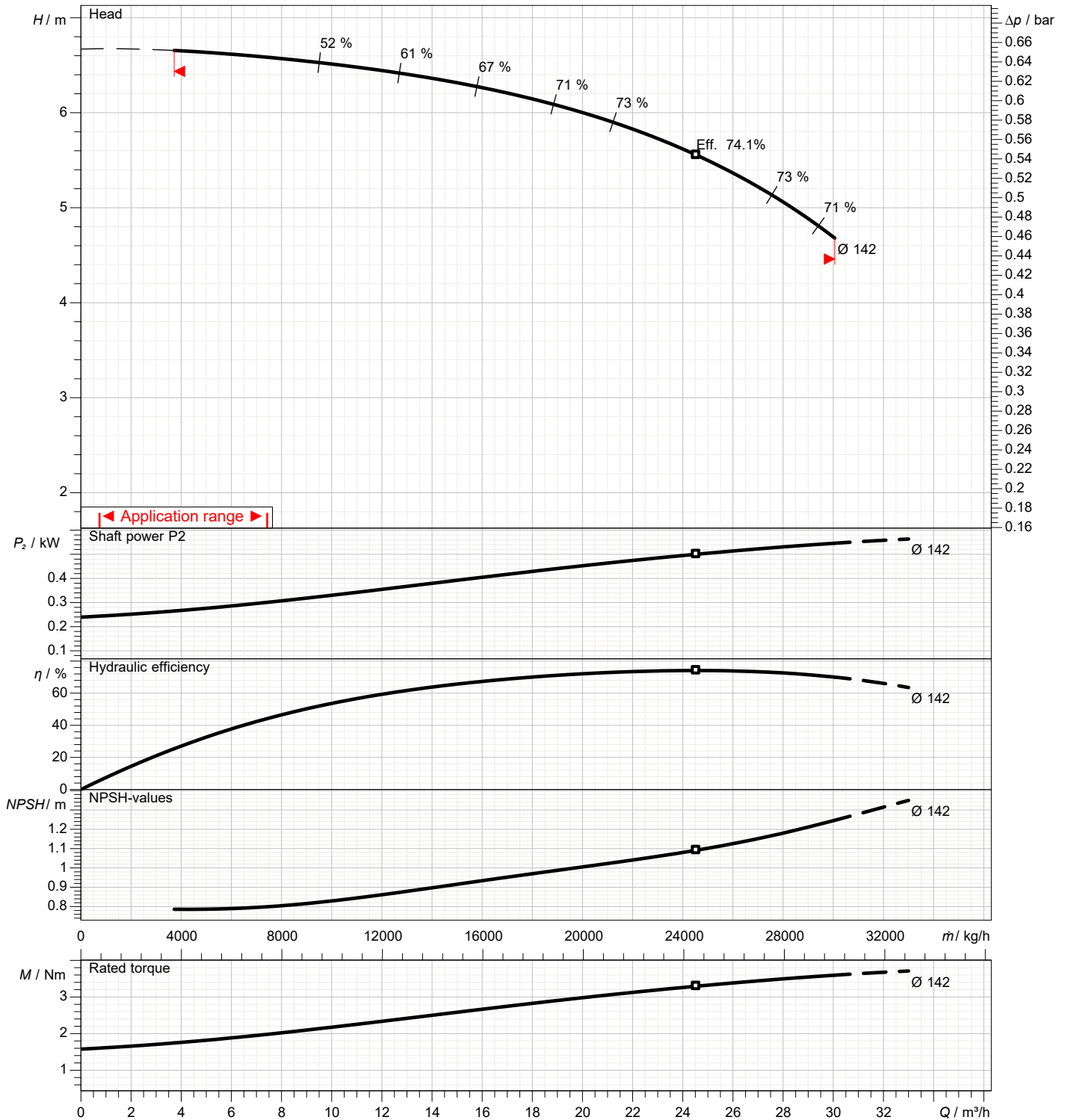
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		4
Impeller diameter designed	mm	142	Speed	rpm	1450

Test standard: ISO 9906:2012 - Grade3B

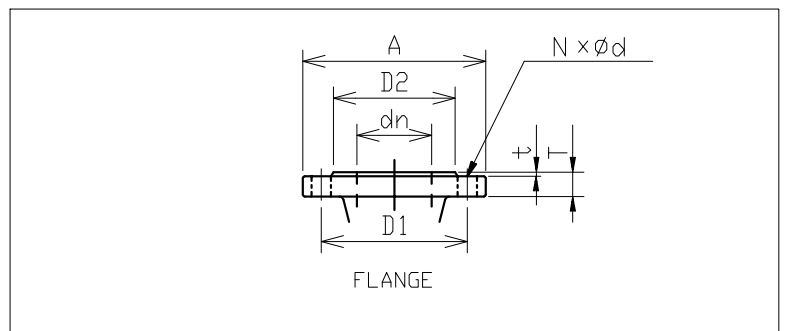
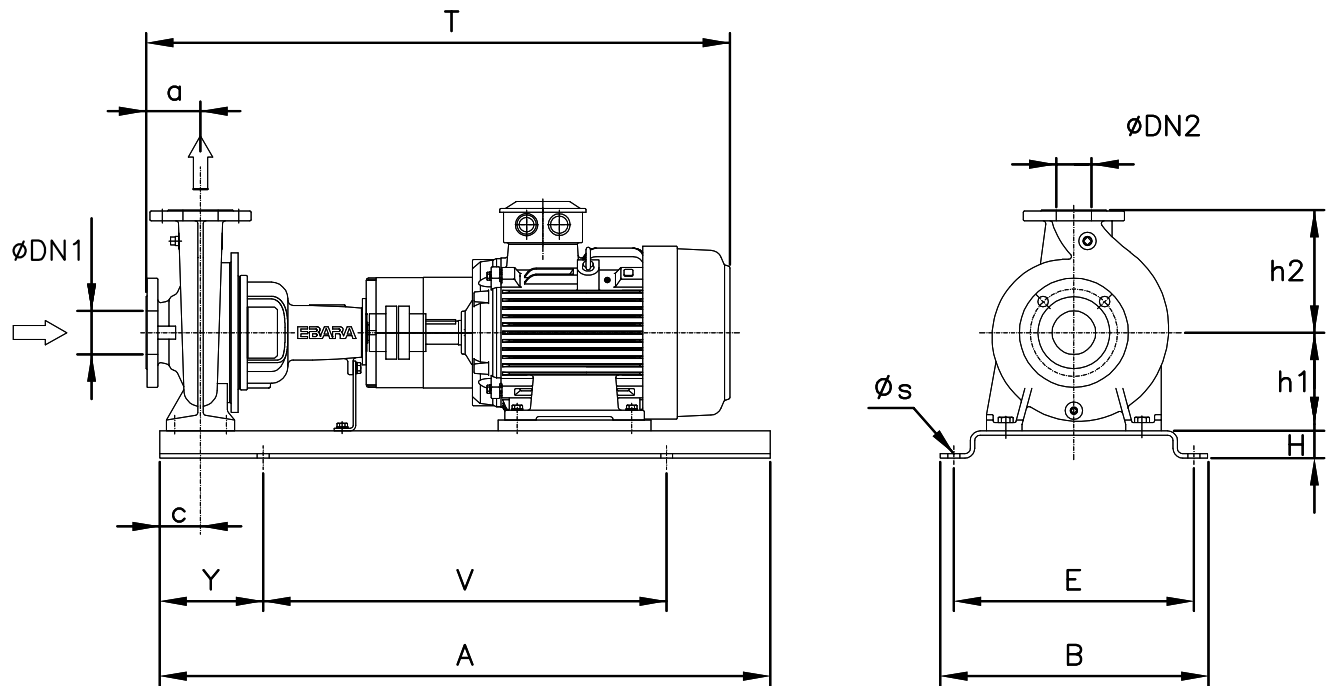
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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Total weight : 70 kg

Pump dimensions		mm		Suction side		mm		Discharge side		mm	
a	80			A	185	A	150				
A	900			d	19	d	19				
B	390			D1	145	D1	110				
c	80			D2	118	D2	84				
DN1	65			dn	65	dn	40				
DN2	40			N	4(Num)	N	4(Num)				
E	350			t	2	t	2				
H	50			T	20	T	18				
h1	112										
h2	140										
s	18										
T	719										
V	600										
Y	150										

Construction

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