

Technical Data

Pump Name

GS4 80-315-334/B/22

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 80-315-334/B/22	Frequency	Hz 50
10	Design	End Suction Volute Pump	Installation type	with base, motor
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 334
12	Speed rpm	1450		Designed mm 334
13	No. of Stage	1		Min. mm 262
14	Connection Suction side	EN PN16	Flow	Operating m³/h
15	Connection Discharge side	EN PN16		Max- m³/h 186
16	Max Working Pressure bar	16		Min- m³/h 25
17	Shut-off head bar	3.71	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 32.1
19	Shaft power kW			- (Qmin.) m 37.6
20			Max. Shaft Power at max. impeller	kW 20.19
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	180L_22_3_400	Phases	3~
30	Specific design	TEFC/B3/IE3/TC / 50 Hz / Pole pairs 2	Frame size	180L
31	Rated power kW	22	Weight kg	205
32	Number of poles	4	Electric voltage V	400
33	Speed rpm	1460	Electric current A	38.4
34	Degree of protection	IP55		
35				

Remarks

Performance Curve

Pump Name

GS4 80-315-334/B/22

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

Requested data

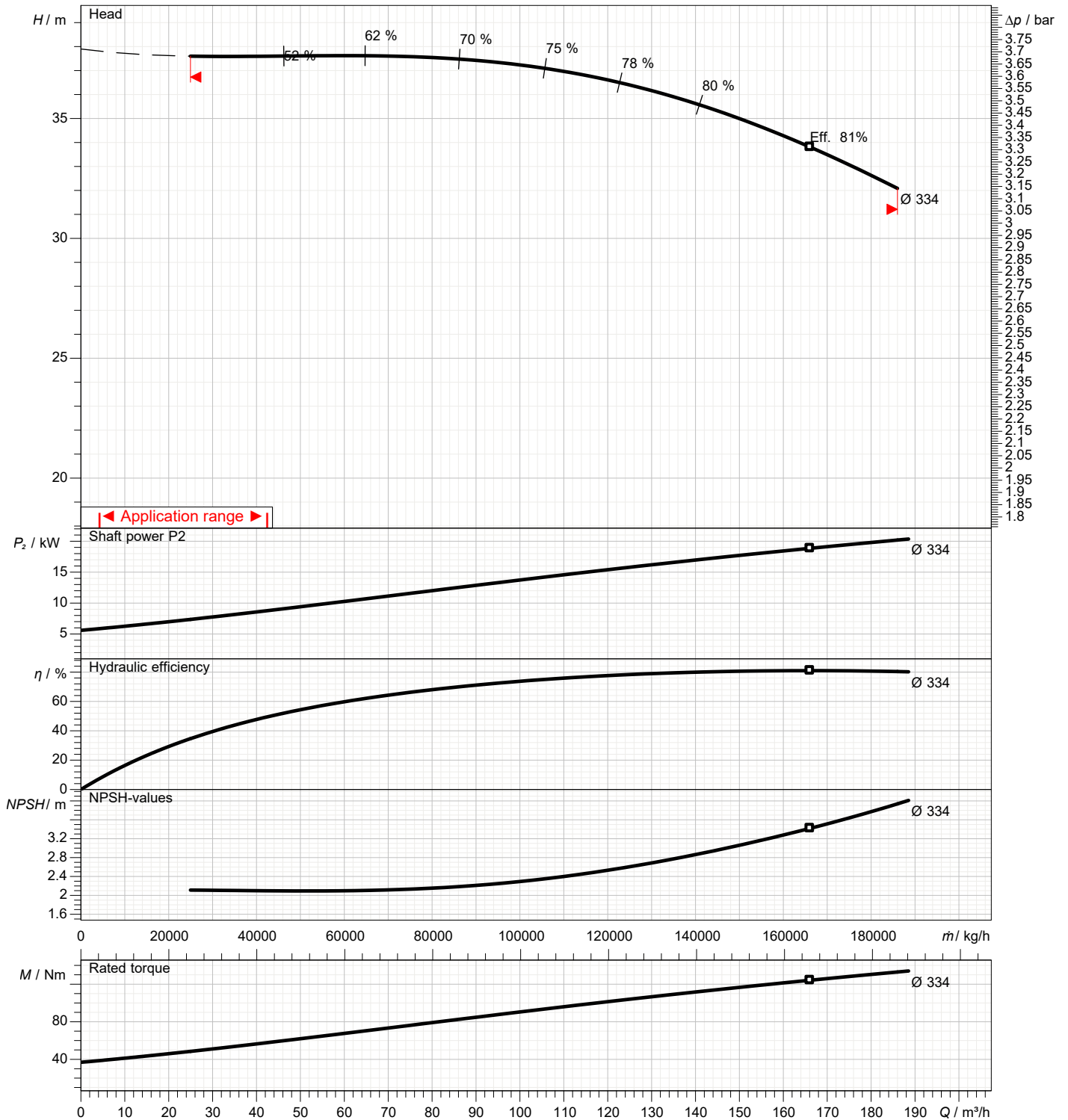
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		4
Impeller diameter designed	mm	334	Speed	rpm	1450

Test standard: ISO 9906:2012 - Grade3B

Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

Pump name GS4 80-315-334/B/22

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



Total weight : 374 kg

Pump dimensions		mm	Suction side	mm	Discharge side	mm
a	125		A	220	A	200
A	1400		d	19	d	19
B	610		D1	180	D1	160
c	125		D2	156	D2	132
DN1	100		dn	100	dn	80
DN2	80		N	8(Num)	N	8(Num)
E	550		t	2	t	2
H	75		T	24	T	22
h1	250					
h2	315					
s	26					
T	1300					
V	940					
Y	230					

Construction

Pump name GS4 80-315-334/B/22

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