

Technical Data

Pump Name

GSS 50-315 /90

Customer	Date	2024-06-16	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-16 12:31:28	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	GSS 50-315 /90	Frequency	Hz 50
10	Design	End Suction Volute Pump	Installation type	with ISO base, motor
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 344
12	Speed	rpm 2900		Designed mm 344
13	No. of Stage	1		Min. mm 271
14	Connection	Suction side	Flow	Operating m³/h
15	Connection	Discharge side		Max- m³/h 140
16	Max Working Pressure	bar 16		Min- m³/h 20.5
17	Shut-off head	bar 16.06	Head	Operating m
18	Total weight	kg See the table of "Dimensions".		- (Qmax.) m 127.5
19	Shaft power	kW		- (Qmin.) m 165.3
20			Max. Shaft Power at max. impeller	kW 75.76
21	Required pump NPSH	m	Efficiency	%

Materials

22				
23				
24				
25				
26				
27				

Motor

28	Manufacturer	EBARA Standard	Insulation class	F
29	Type	280MA_90_3_380	Phases	3~
30	Specific design	TEFC/B3/AESV1S / 50 Hz / Pole pairs 1	Frame size	280MA
31	Rated power	kW 90	Weight	kg 552
32	Number of poles	2	Electric voltage	V 380
33	Speed	rpm 2965	Electric current	A 169
34	Degree of protection	IP55		
35				

Remarks

Performance Curve

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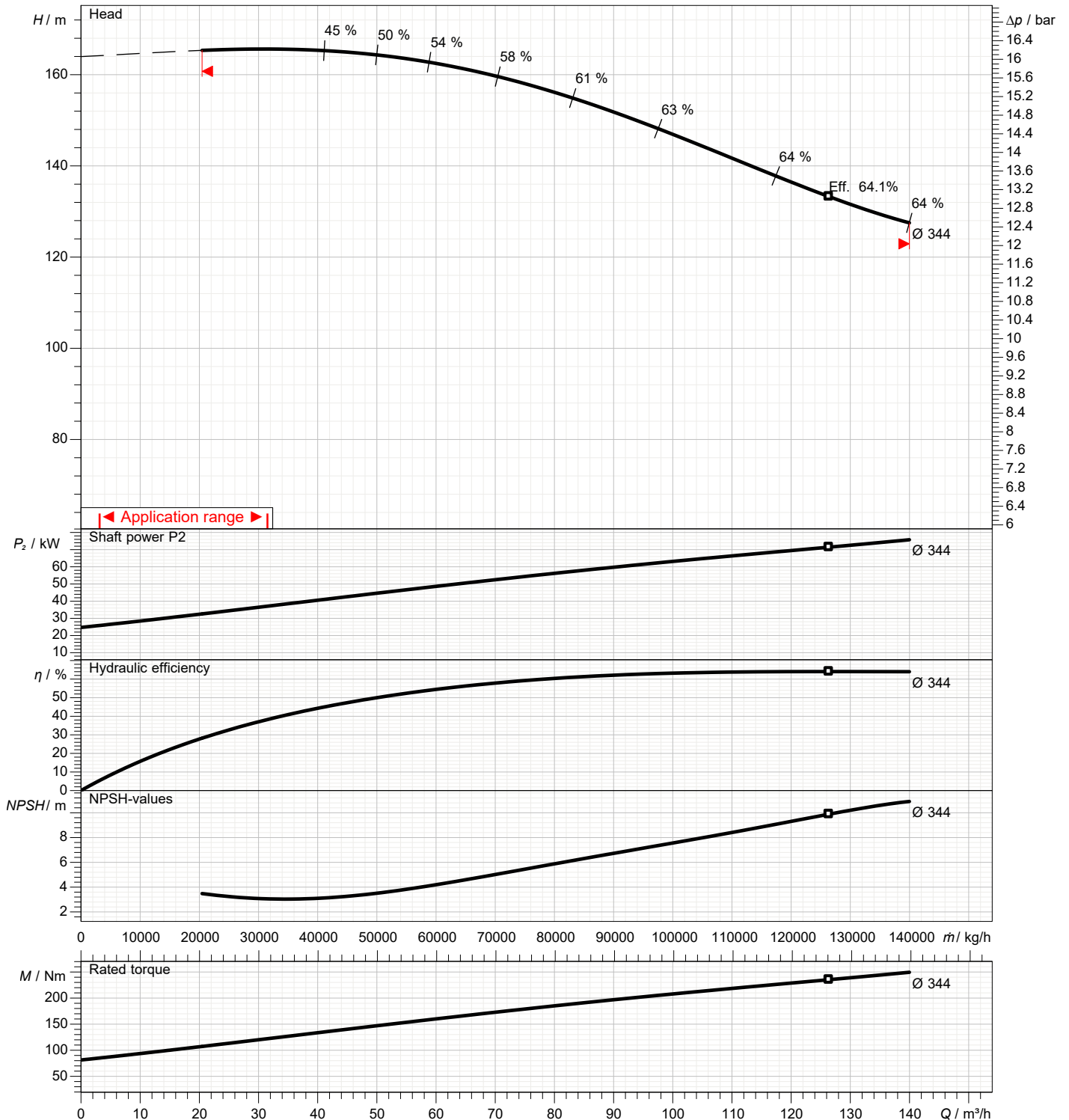
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		2
Impeller diameter designed	mm	344	Speed	rpm	2900

Test standard: ISO 9906:2012 - Grade3B

Water; 20°C; 998.3kg/m³; 1mm²/s



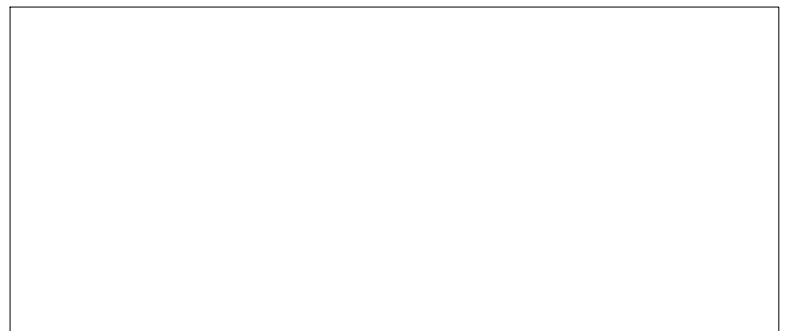
Dimensions

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This base is not necessary to grout.
Special base can be provided for grouting.



Total weight : 847 kg

Pump dimensions		mm		Suction side		mm		Discharge side		mm	
a	125										
dn1	65										
dn2	50										
h1	225										
h2	280										
L	1682										

Construction

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