

Technical data

Pump name

GS 200-500 /315

Customer	Date 2021-05-14	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	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	kPa 2.34
5	Geodetic head m		PH value	
6	Inlet pressure (pin) kPa	0	Density	kg/m³ 998.3
7	Available system NPSH		Solids	Weight % 0
8	Ambient temperature °C	20		

Pump

9	Pump name	GS 200-500 /315	Frequency	Hz 50
10	Design	End Suction Volute Pump	Installation type	with Channel base, motor
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 530
12	Speed rpm	1450		Designed mm 530
13	No. of Stage	1		Min. mm 411
14	Connection Suction side	EN PN16	Flow	Operating m³/h
15	Connection Discharge side	EN PN16		Max- m³/h 1320
16	Max Working Pressure kPa	1600		Min- m³/h 159
17	Shut-off head kPa	939.86	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 78.3
19	Shaft power kW			- (Qmin.) m 96.9
20			Max. Shaft Power at max. impeller	kW 336.72
21	Required pump NPSH m		Efficiency	%

Materials

22	Casing	FC250		
23	Impeller	FCD400		
24	Shaft	SUS431eq.		
25	Case wear ring	CAC406		
26	O-ring	NBR		
27	Mechanical Seal	SiC/Carbon/FKM		

Motor

28	Manufacturer	TECHTOP	Insulation class	F
29	Type	355L1_315_3_400	Phases	3~
30	Specific design	TEFC/B3/IE3/TC / 50 Hz / Pole pairs 2	Frame size	355L1
31	Rated power kW	315	Weight	kg 2122
32	Number of poles	4	Electric voltage	V 400
33	Speed rpm	1480	Electric current	A 526
34	Degree of protection	IP55		
35				

Remarks

Performance curve

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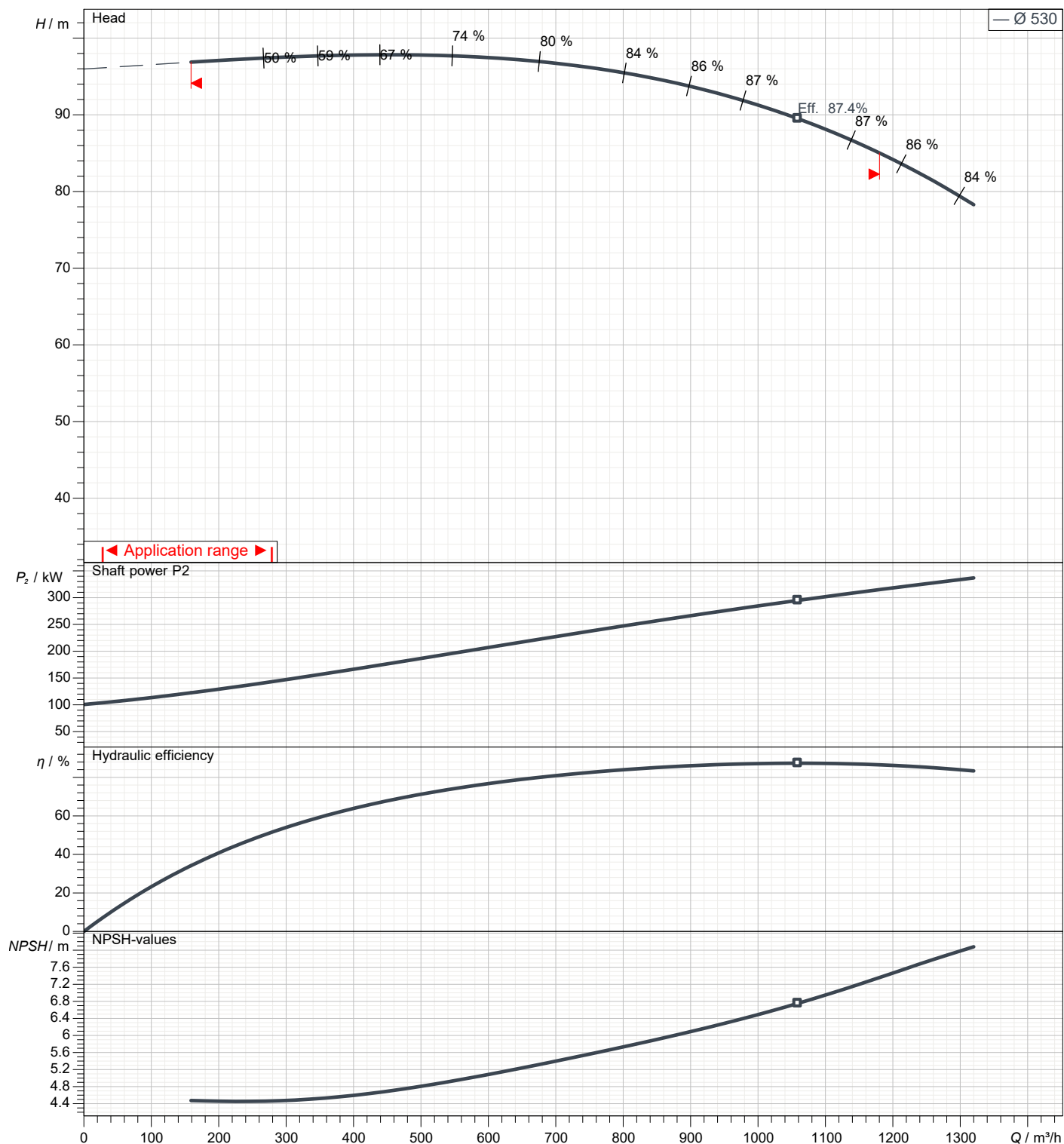
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating Flow	m³/h		Frequency	Hz	50
Operating Head	m		Number of poles		4
Impeller Diameter Designed	mm	530	Speed	rpm	1450

Test standard: ISO 9906:2012 - Grade3B

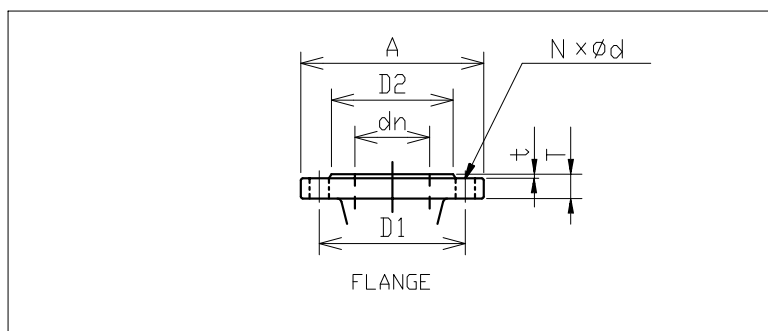
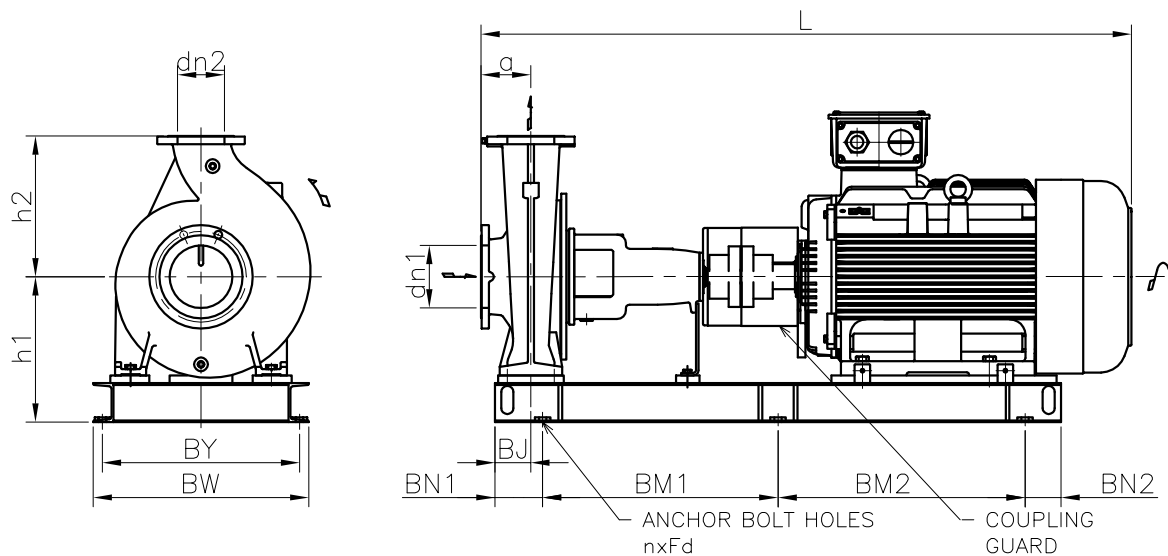
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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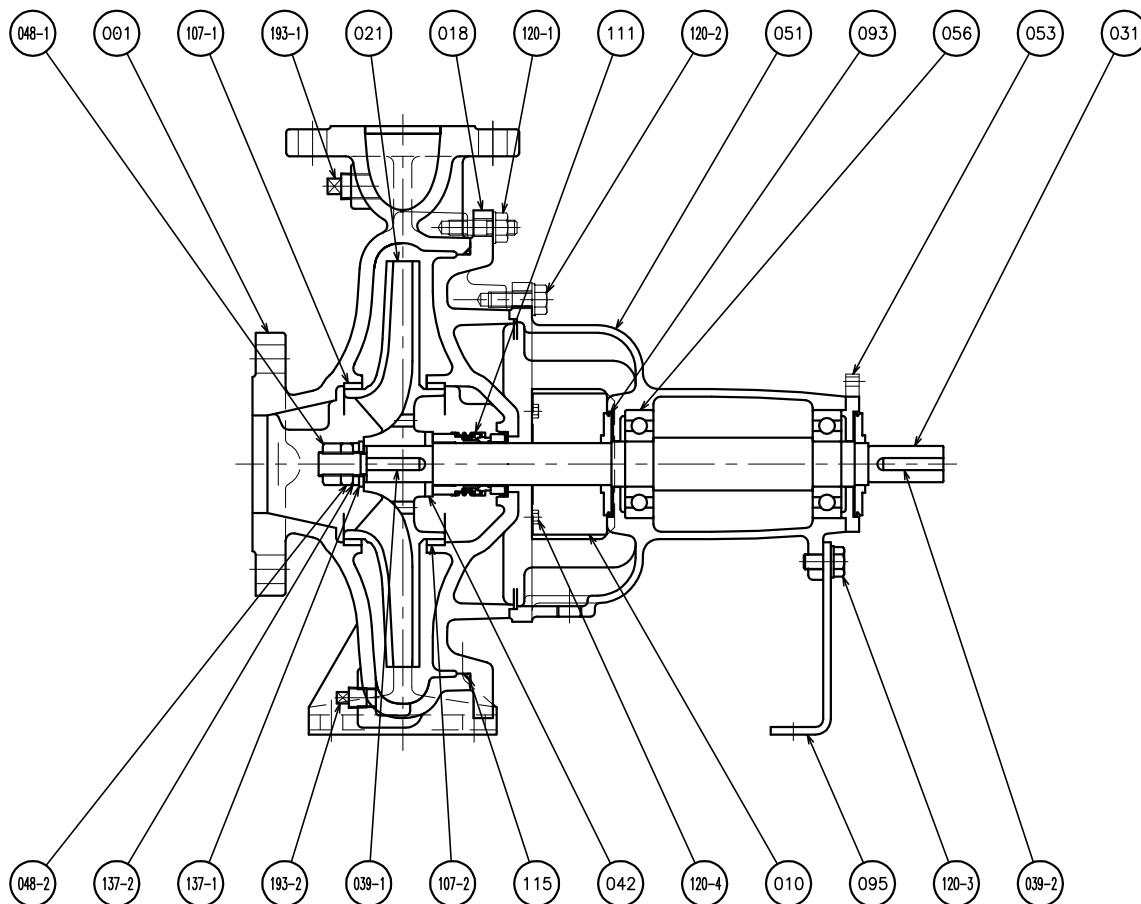
Total weight : 3249 kg

Pump dimensions				mm		Suction side	mm		Discharge side	mm	
a	200					A	405		A	340	
dn1	250					d	28		d	23	
dn2	200					D1	355		D1	295	
h1	435					D2	319		D2	266	
h2	630					dn	250		dn	200	
L	2590					N	12(Num)		N	12(Num)	
						t	2		t	2	
						T	32		T	30	

Construction

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193-2	PLUG	SS	1	CARBON STEEL
193-1	PLUG	SS	1	CARBON STEEL
137-2	SPRING LOCK WASHER	SUS304	1	304 STAINLESS STEEL
137-1	PLAIN WASHER	SUS304	1	304 STAINLESS STEEL
120-4	BOLT WITH WASHER	SS400	4	CARBON STEEL
120-3	BOLT WITH WASHER	SS400	1	CARBON STEEL
120-2	BOLT WITH WASHER	SS400	6	CARBON STEEL
120-1	BOLT & NUT WITH WASHER	SS400	N	CARBON STEEL
115	O RING	NBR	1	
111	MECHANICAL SEAL	-	1	
107-2	CASING RING	CAC406	1	BRONZE
107-1	CASING RING	CAC406	1	BRONZE
095	STAY	SPHC	1	CARBON STEEL
093	DEFLECTOR	EPDM	2	
056	BALL BEARING	-	2	
053	BEARING COVER	FC150	1	CAST IRON
051	BEARING HOUSING	FC150	1	CAST IRON
048-2	IMPELLER NUT(B)	SUS304	1	304 STAINLESS STEEL
048-1	IMPELLER NUT(A)	SUS304	1	304 STAINLESS STEEL
042	SPACER	SUS304	1	304 STAINLESS STEEL
039-2	KEY	S50C	1	CARBON STEEL
039-1	KEY	SUS420Q	1	12% Cr. STEEL
031	SHAFT	SUS431eq.	1	Cr. STEEL
021	IMPELLER	FCD400	1	DUCTILE CAST IRON
018	CASING COVER	FC250	1	CAST IRON
010	PROTECTOR	SPCC	2	CARBON STEEL
001	CASING	FC250	1	CAST IRON
No.	NAME OF PART	MATERIAL	Qty	REMARKS