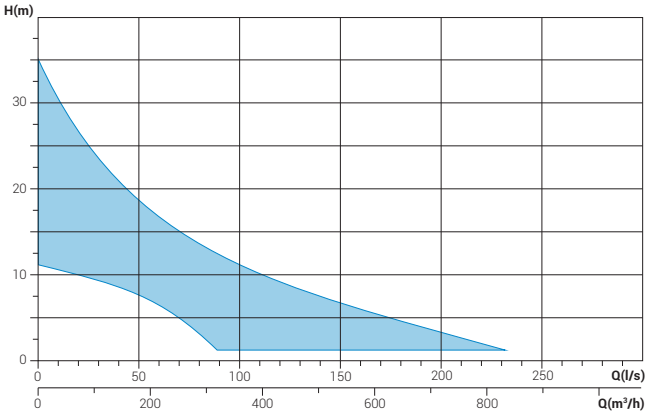
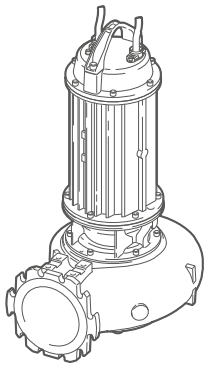
Dual-channel closed impeller

Operating ranges





Range characteristics

Motor power	6.5 ÷ 12.3 kW
Poles	2 / 4 /6
Insulation class	H
Degree of protection	IP68
Discharge	DN80 ÷ DN250 horizontal
Free passage	36 ÷ 140 mm
Max flow rate	232.6 l/s
Prevalenza max	34.2 m

Motor

Oil-bath motor with thermal protections.

Cable

S1RN8-F type electrical cable. 10 m standard cable length

Mechanical seals

Two mechanical seals in silicon carbide (2SiC) and one mechanical seal in alumina graphite (AL)

Applications

Suitable for heavy-duty industrial applications, they are generally used in civil and industrial wastewater treatment plants, for lifting sewage, for pumping industrial sludges and rainwater containing solids, and for recycling raw or activated sludges and biological liquids.

Versions

Electrical variants	T, TS
Cooling system	N
Mechanical seals	2SICAL

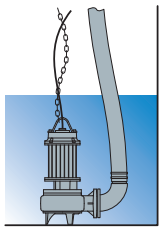
Operating specifications

Max operating temperature	40 °C
PH of treated fluid	6 ÷ 14
Viscosity of treated fluid	1 mm²/s
Maximum immersion depth	20 m
Density of treated fluid	1 Kg/dm³
Acoustic pressure max	<70dB
Max starts per hour	20

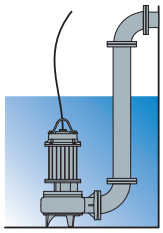
Construction materials

Case	Cast iron EN-GJL 250
Hydraulic parts	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Nuts and bolts	Stainless steel - Class A2-70
Standard gasket	Rubber - NBR
Shaft	Stainless steel - AISI 420
Cooling jacket (optional)	Stainless steel - AISI 304
Paint type	Ecological bicomponent epoxy (~ 150 µm)

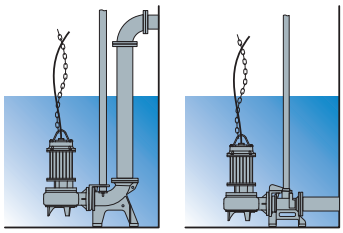
Installations



Free



Fixed

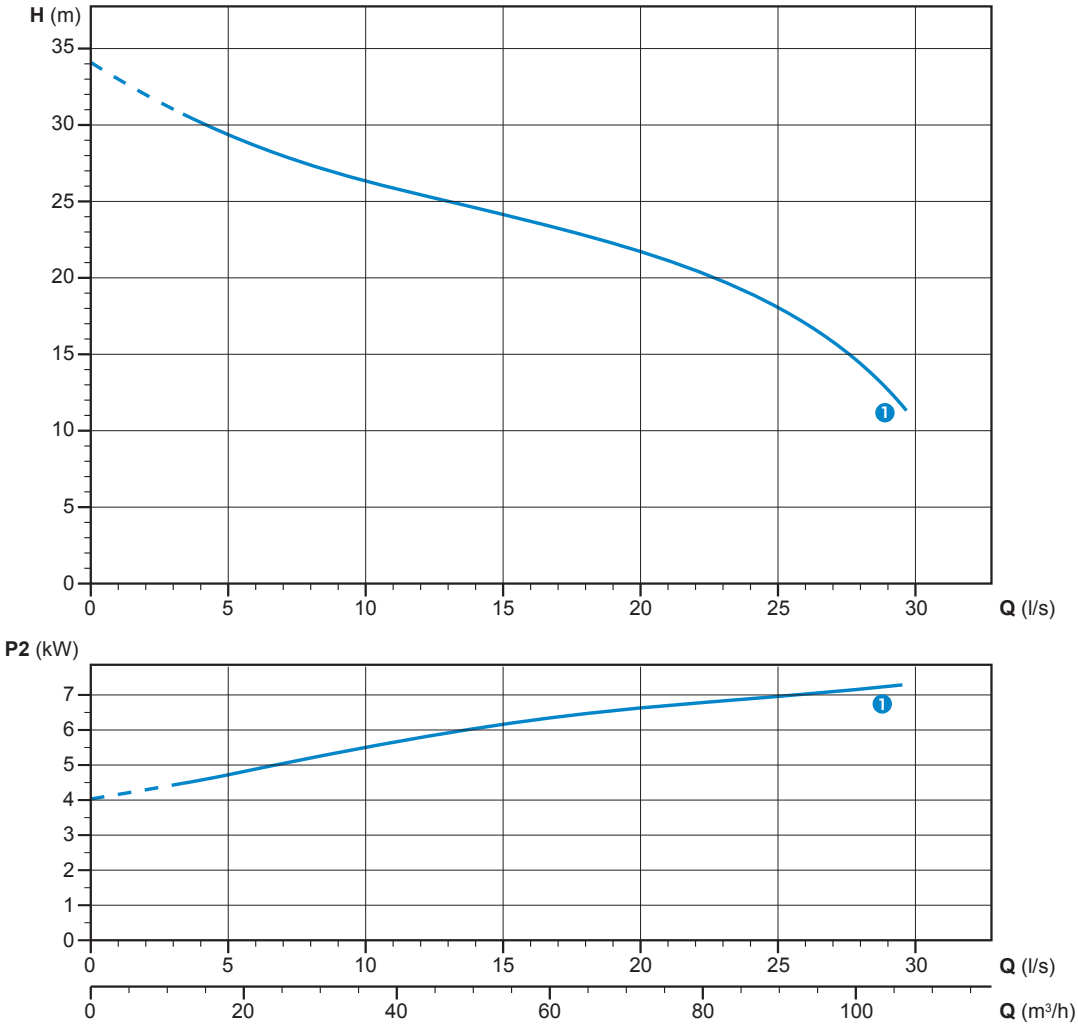


with base coupling foot

SBP 2/80

Performances

	l/s	0	5	10	15	20	25
	l/min	0	300	600	900	1200	1500
	m³/h	0	18	36	54	72	90
1 SBP 750/2/80 A0HT5		*34.0*	29.4	26.4	24.2	22.0	18.0



Characteristic curves according to UNI EN ISO 9906

Technical data

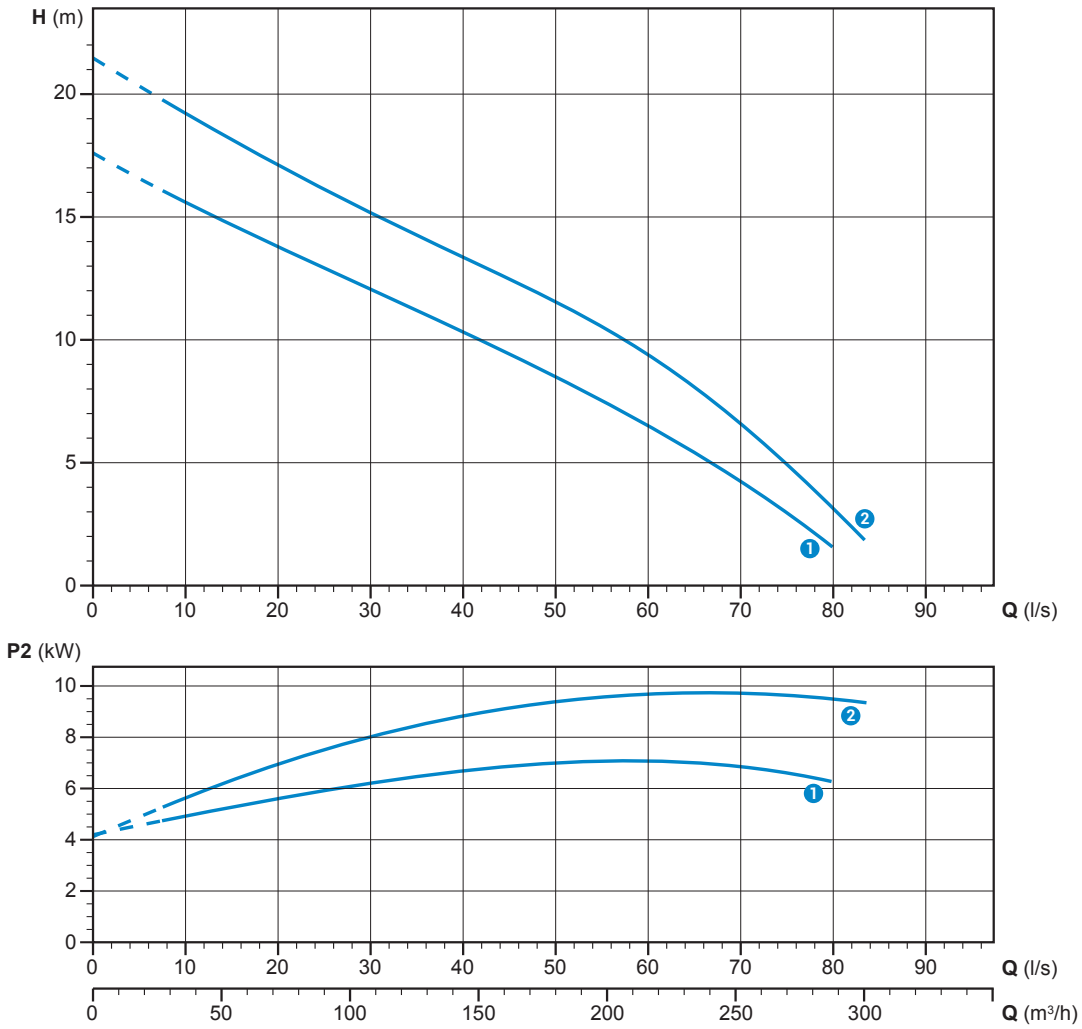
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
1 SBP 750/2/80 A0HT5	400	3	10.0	7.9	16.04	2900	Y Δ	7G1.5 + 3x0.75	DN80	36 mm

SBP 4/150

Performances

	l/s	0	10	20	30	40	50	60	70	80
	l/min	0	600	1200	1800	2400	3000	3600	4200	4800
	m³/h	0	36	72	108	144	180	216	252	288
1 SBP 750/4/150 A0HT5		*17.6*	15.5	13.9	12.0	10.5	8.5	6.5	4.2	
2 SBP 1000/4/150 A0HT5		*21.5*	19.1	17.2	15.1	13.4	11.6	9.4	6.6	3.2

Characteristic curves according to UNI EN ISO 9906



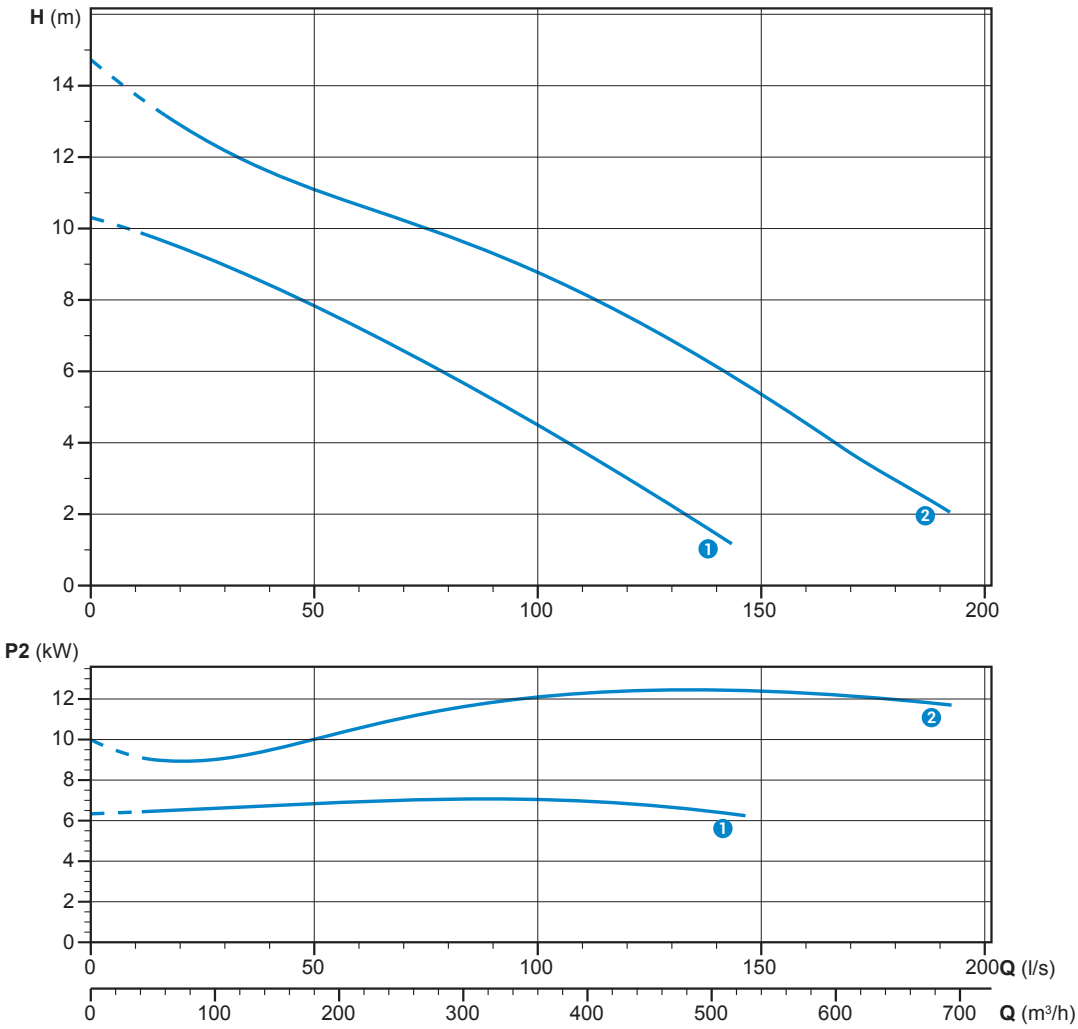
Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
1 SBP 750/4/150 A0HT5	400	3	9.1	7.4	15.82	1450	Y Δ	7G1.5 + 3x0.75	DN80	70 mm
2 SBP 1000/4/150 A0HT5	400	3	12.8	10.45	21.74	1450	Y Δ	7G1.5 + 3x0.75	DN80	70 mm

SBP 6/200

Performances

	l/s	0	20	40	60	80	100	120	140	160	180
	l/min	0	1200	2400	3600	4800	6000	7200	8400	9600	10800
	m³/h	0	72	144	216	288	360	432	504	576	648
1 SBP 1000/6/200 A0IT5		*10.5*	9.5	8.4	7.2	5.8	4.5	3.0	1.4		
2 SBP 1500/6/200 A1IT5		*14.8*	12.8	11.6	10.6	9.8	8.7	7.5	6.0	4.5	2.8



Characteristic curves according to UNI EN ISO 9906

Technical data

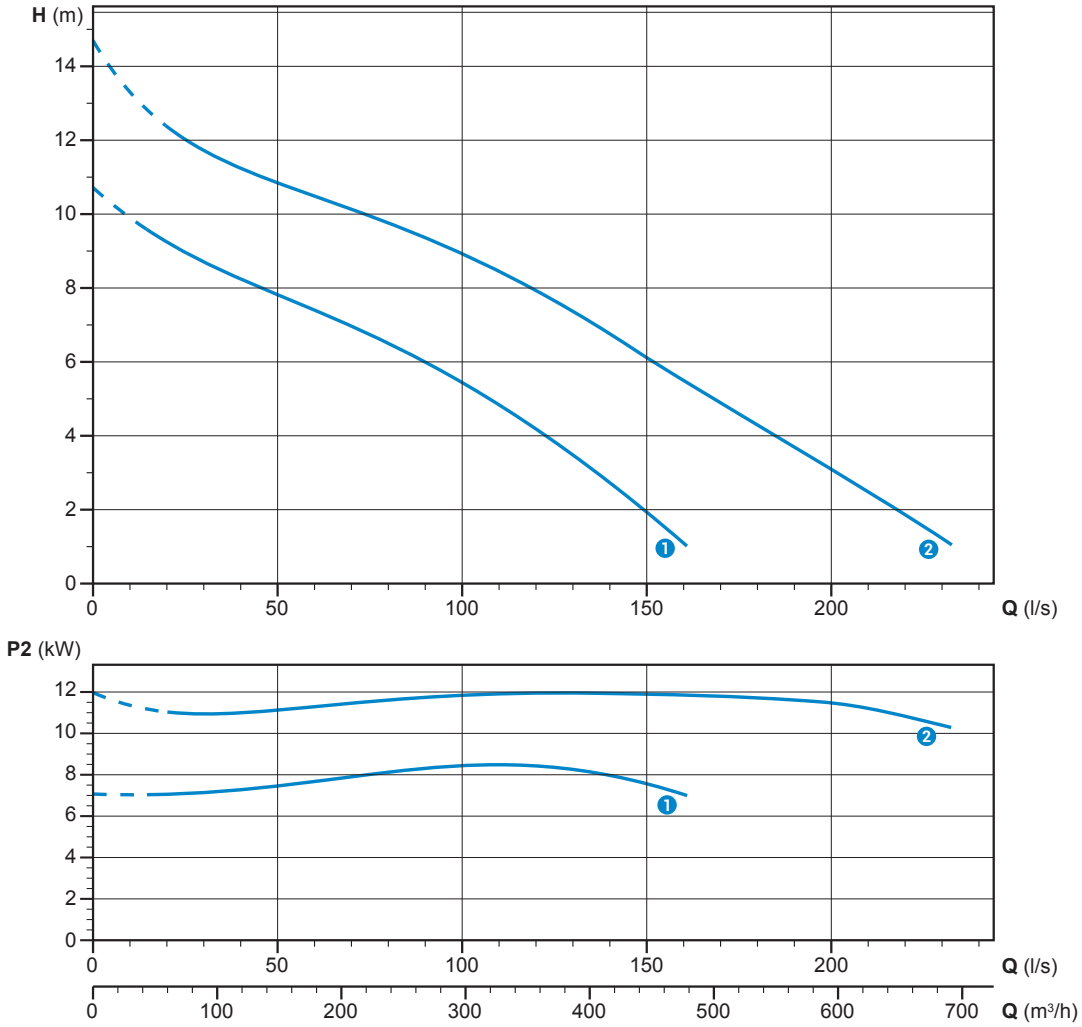
	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
1 SBP 1000/6/200 A0IT5	400	3	11.7	9.8	20.35	960	Y Δ	2x 4G6 + 2G1	DN200	100 mm
2 SBP 1500/6/200 A1IT5	400	3	14.8	12.3	28.11	960	Y Δ	2x 4G6 + 2G1	DN200	140x105 mm

SBP 6/250

Performances

	l/s	0	20	40	60	80	100	120	140	160	180	200	220
	l/min	0	1200	2400	3600	4800	6000	7200	8400	9600	10800	12000	13200
	m³/h	0	72	144	216	288	360	432	504	576	648	720	792
1 SBP 1000/6/250 C0IT5		*10.7*	9.2	8.2	7.4	6.5	5.4	4.1	2.6	1.0			
2 SBP 1500/6/250 A1IT5		*14.5*	12.3	11.2	10.5	9.7	9.0	7.8	6.7	5.4	4.2	3.0	1.8

Characteristic curves according to UNI EN ISO 9906

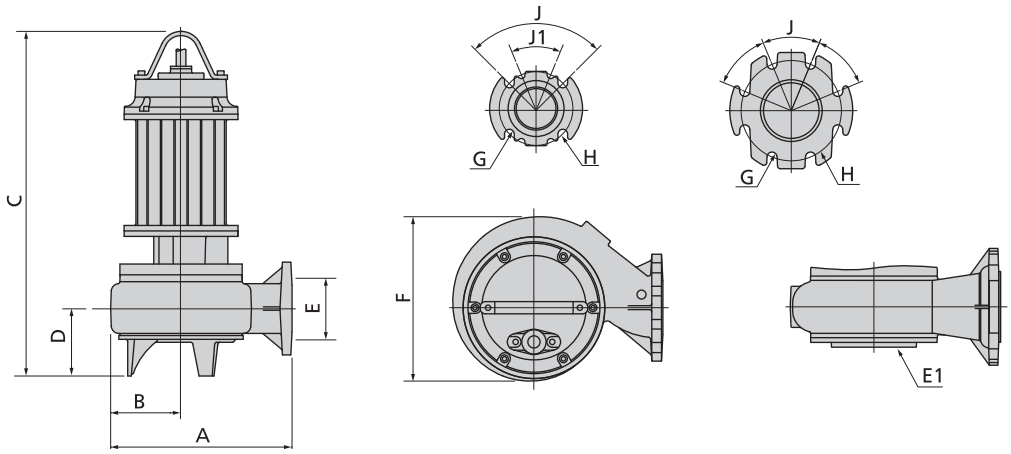


Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
1 SBP 1000/6/250 C0IT5	400	3	11.7	9.8	20.35	960	Y Δ	2x 4G6 + 2G1	DN250	100 mm
2 SBP 1500/6/250 A1IT5	400	3	14.8	12.3	28.11	960	Y Δ	2x 4G6 + 2G1	DN250	140x105 mm

SBP

Overall dimensions and weights



	A	B	C	D	E	E1	F	G	H	J	J1	kg
SBP 750/2/80 A0HT5	345	135	725	110	80	DN65 PN6(*)	275	18	160	90°	45°	103
SBP 750/4/150 A0HT5	585	225	855	200	150	DN125 PN6(*)	440	24	240	45°	-	135
SBP 1000/4/150 A0HT5	585	225	855	200	150	DN125 PN6(*)	440	24	240	45°	-	151
SBP 1000/6/200 A0IT5	695	275	970	145	200	DN250 PN6	540	24	295	45°	-	215
SBP 1500/6/200 A1IT5	695	275	975	155	200	DN200 PN6	540	24	295	45°	-	245
SBP 1500/6/250 A1IT5	785	310	975	155	250	DN200 PN6	610	24	350	30°	-	255

(*) Suction flange available upon request

Dimensions in mm

Packaging dimension

	X	Y	Z
SBP 750/2/80 A0HT5	915	515	555
SBP 750/4/150 A0HT5	915	515	555
SBP 1000/4/150 A0HT5	915	515	555
SBP 1000/6/200 A0IT5	1000	750	1200
SBP 1500/6/200 A1IT/5	1000	750	1200
SBP 1500/6/250 A1IT5	1000	750	1200

Dimensions in mm