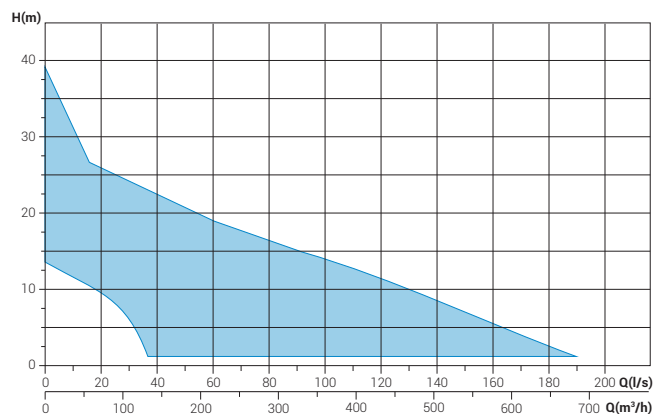


Single-channel closed impeller

Operating ranges



Range characteristics

Motor power	3.0 ÷ 16.4 kW
Poles	2 / 4 / 6
Insulation class	H
Degree of protection	IP68
Discharge	DN80 ÷ DN250 horizontal
Free passage	53 ÷ 130 mm
Max flow rate	182.9 l/s
Prevalenza max	39.3 m

Motor

Oil-bath motor with thermal protections.

Cable

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

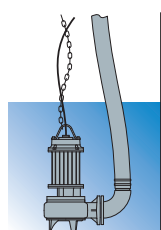
Mechanical seals

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

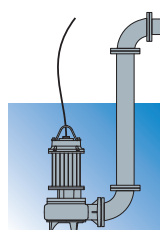
Applications

Designed for heavy-duty applications, they are generally used in wastewater treatment, residential and sewer plants and for the treatment of wastewater from public establishments. Suitable for pumping industrial sludges.

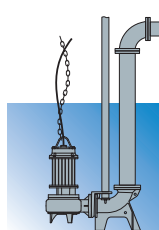
Installations



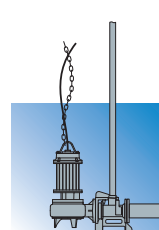
Free



Fixed



with base coupling foot



Versions

Electrical variants
Cooling system
Mechanical seals

T, TS
N
2SICAL

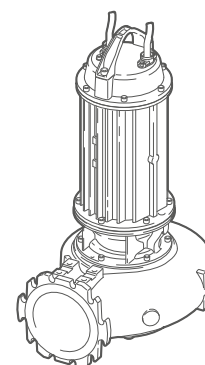
Operating specifications

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
Hydraulic parts
Impeller
Nuts and bolts
Standard gasket
Shaft
Cooling jacket (optional)
Paint type

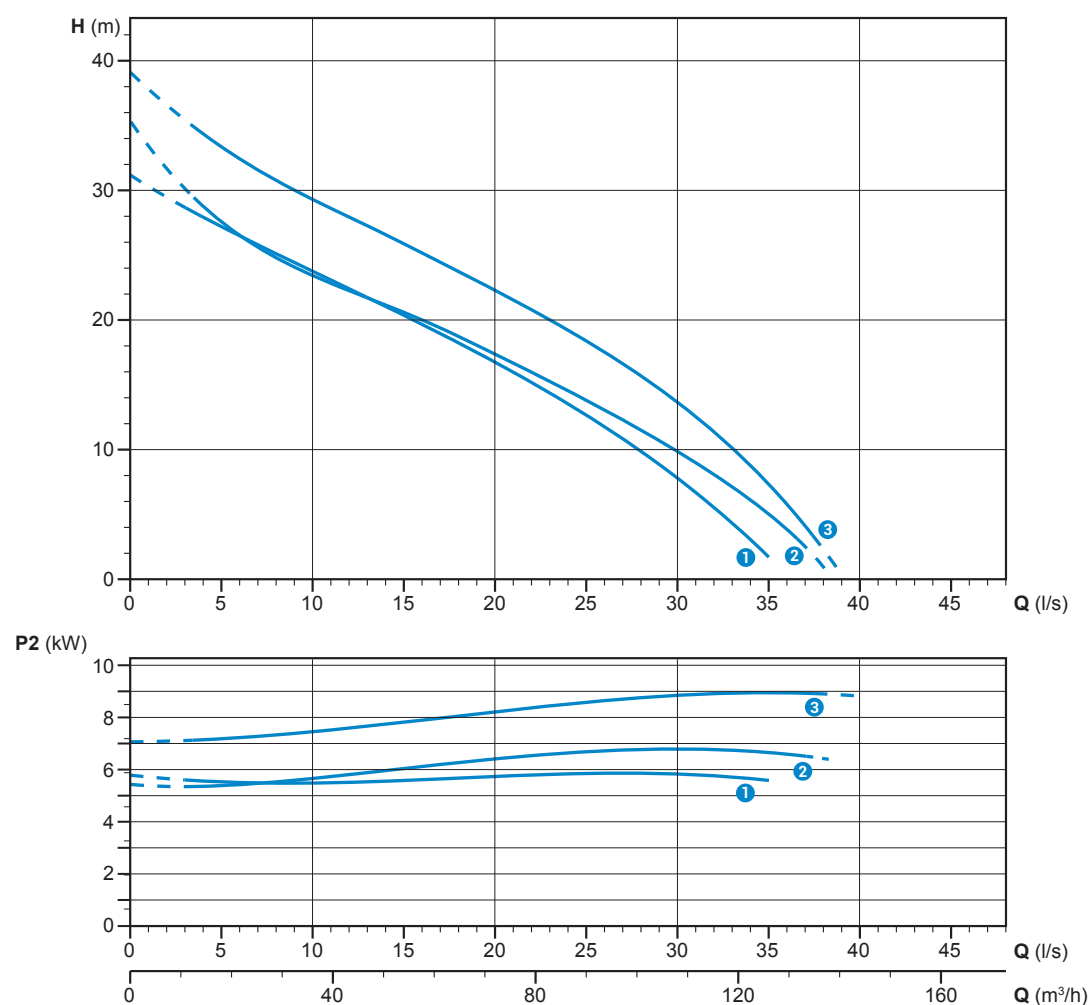
Cast iron EN-GJL 250
Cast iron EN-GJL 250
Cast iron EN-GJL 250
Stainless steel - Class A2-70
Rubber - NBR
Stainless steel - AISI 420
Stainless steel - AISI 304
Ecological bicomponent epoxy (~ 150 µm)



SMP 2/80

Performances

	l/s	0	5	10	15	20	25	30	35
	l/min	0	300	600	900	1200	1500	1800	2100
	m ³ /h	0	18	36	54	72	90	108	126
① SMP 550/2/80 A0GT5		31.0	27.1	24.0	20.5	16.8	12.5	8.0	1.8
② SMP 750/2/80 A0HT5		35.0	28.0	23.5	20.5	17.5	13.8	10.0	5.0
③ SMP 1000/2/80 A0HT5		39.0	33.5	29.5	26.0	22.5	18.5	13.8	7.2



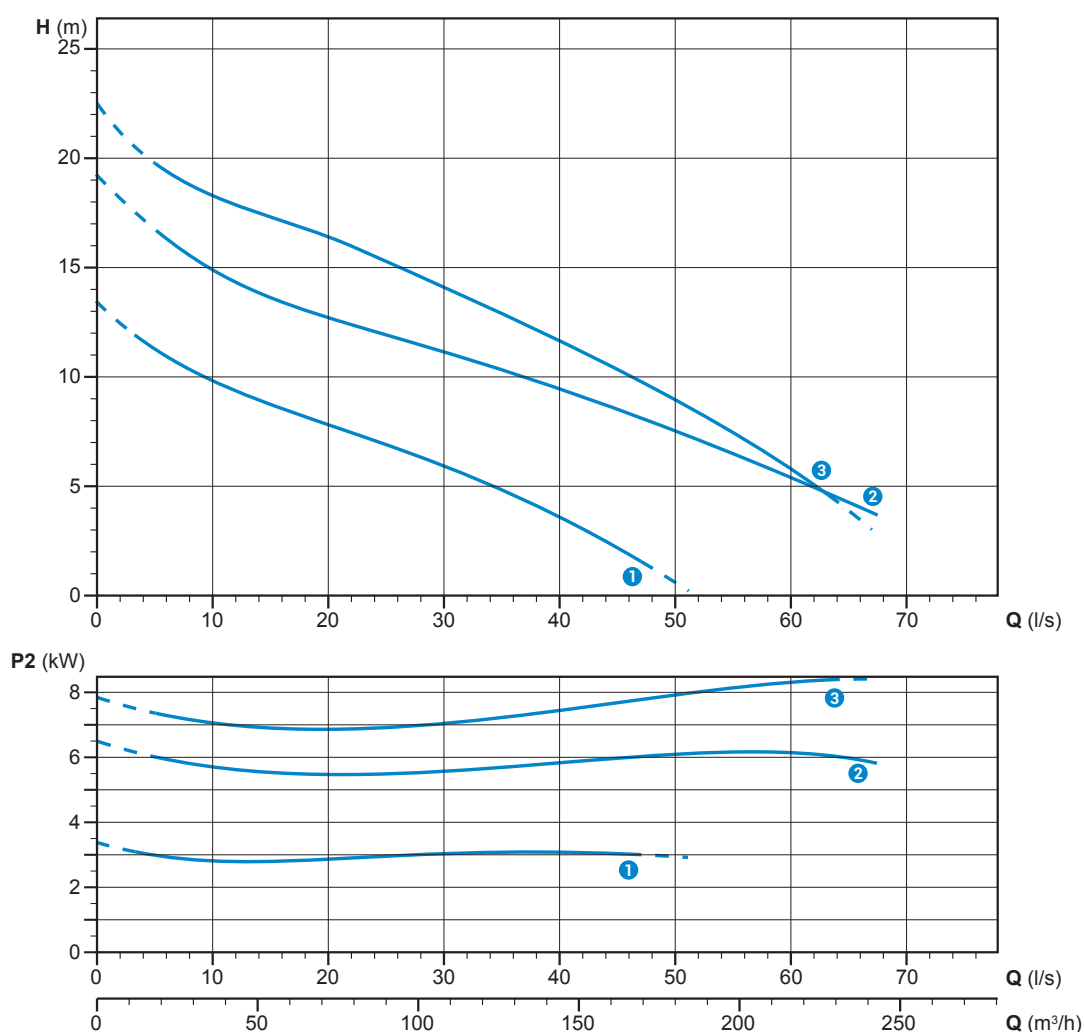
Characteristic curves according to UNI EN ISO 9906

Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① SMP 550/2/80 A0GT5	400	3	7.35	5.8	12.06	2900	Dir	4G2.5 + 3x1	DN80	53 mm
② SMP 750/2/80 A0HT5	400	3	10.0	7.9	16.04	2900	Y Δ	7G1.5 + 3x0.75	DN80	65x55 mm
③ SMP 1000/2/80 A0HT5	400	3	13.6	10.8	21.57	2900	Y Δ	7G1.5 + 3x0.75	DN80	65x55 mm

SMP 4/100**Performances**

	l/s	0	5	10	15	20	25	30	35	40	45	50	55	60	65
	l/min	0	300	600	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900
	m³/h	0	18	36	54	72	90	108	126	144	162	180	198	216	234
① SMP 400/4/100 A0FT5		13.5	11.2	9.8	8.8	8.0	6.8	6.0	4.9	3.5	2.0				
② SMP 750/4/100 A0HT5		19.1	16.7	14.9	13.5	12.7	12.0	11.1	10.3	9.5	8.5	7.5	6.5	5.3	4.1
③ SMP 1000/4/100 A0HT5		22.5	19.8	18.4	17.2	16.5	15.0	14.0	13.0	12.0	10.3	9.0	7.5	5.8	

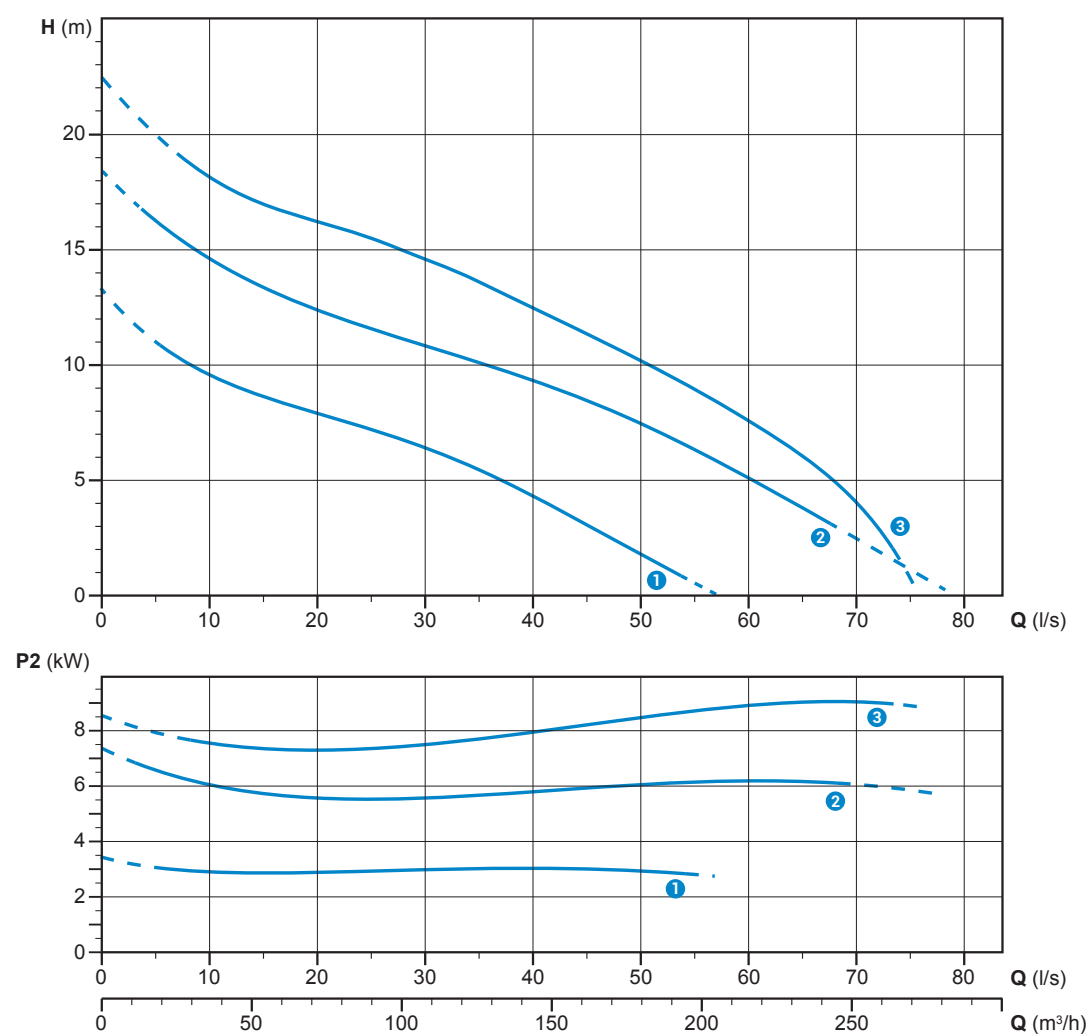
**Technical data**

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① SMP 400/4/100 A0FT5	400	3	4.1	3.0	7.90	1450	Dir	4G1.5 + 2G1	DN100	100x75 mm
② SMP 750/4/100 A0HT5	400	3	9.1	7.4	15.82	1450	Y Δ	7G1.5 + 3x0.75	DN100	100x80 mm
③ SMP 1000/4/100 A0HT5	400	3	12.8	10.45	21.74	1450	Y Δ	7G1.5 + 3x0.75	DN100	80 mm

SMP 4/150

Performances

	l/s	0	10	20	30	40	50	60	70
	l/min	0	600	1200	1800	2400	3000	3600	4200
	m³/h	0	36	72	108	144	180	216	252
① SMP 400/4/150 A0FT5		13.2	9.5	8.0	6.5	4.2	1.8		
② SMP 750/4/150 A0HT5		18.5	14.7	12.5	11.0	9.5	7.4	5.0	
③ SMP 1000/4/150 A0HT5		22.4	18.2	16.4	14.7	12.5	10.1	7.6	4.0



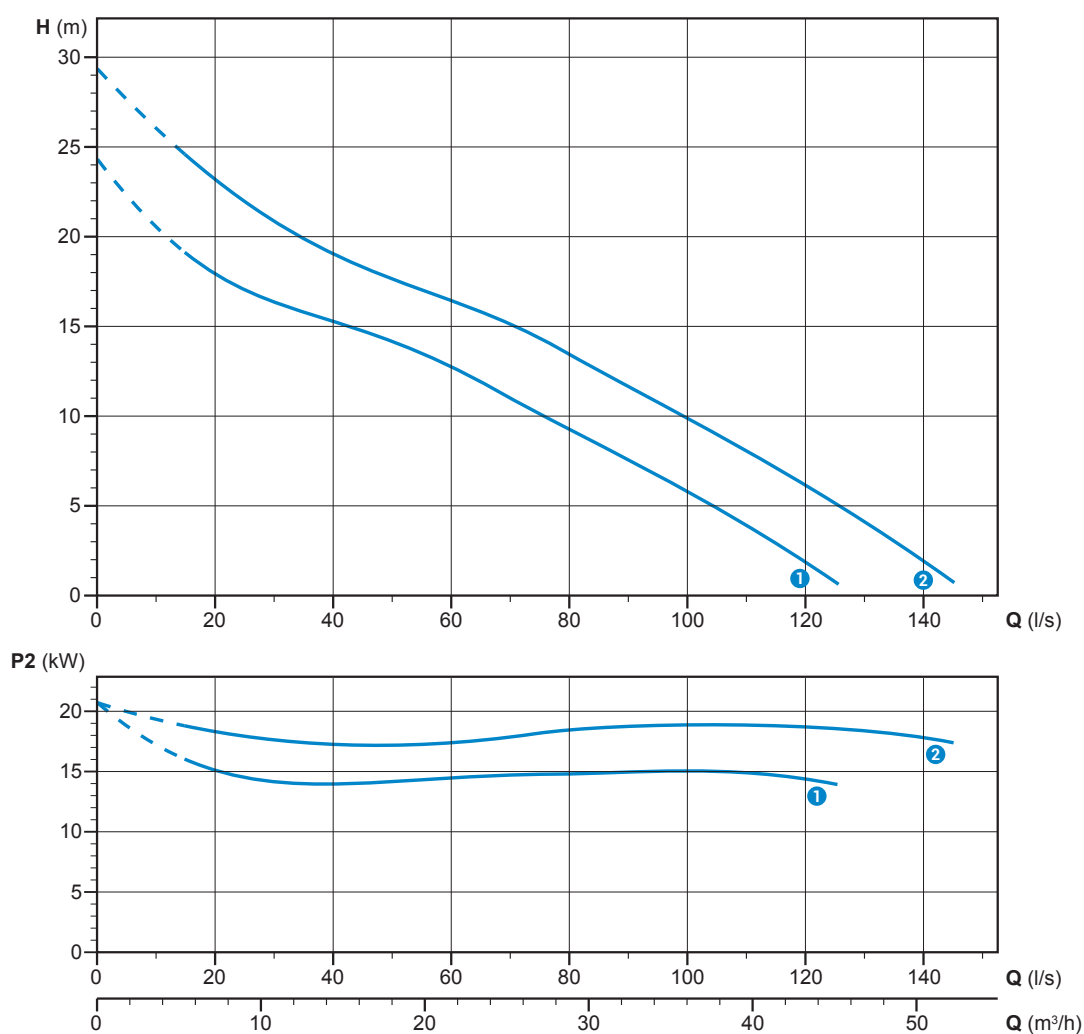
Characteristic curves according to UNI EN ISO 9906

Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① SMP 400/4/150 A0FT5	400	3	4.1	3.0	7.90	1450	Dir	4G1.5 + 2G1	DN150	100x75 mm
② SMP 750/4/150 A0HT5	400	3	9.1	7.4	15.82	1450	Y Δ	7G1.5 + 3x0.75	DN150	100x80 mm
③ SMP 1000/4/150 A0HT5	400	3	12.8	10.45	21.74	1450	Y Δ	7G1.5 + 3x0.75	DN150	80 mm

SMP 4/150**Performances**

	l/s	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
	l/min	0	600	1200	1800	2400	3000	3600	4200	4800	5400	6000	6600	7200	7800	8400
	m ³ /h	0	36	72	108	144	180	216	252	288	324	360	396	432	468	504
① SMP 1500/4/150 A0IT5		24.7	20.5	18.0	16.4	15.2	14.0	12.8	11.0	9.1	7.6	6.0	3.9	2.0		
② SMP 2000/4/150 A0IT5		29.2	26.0	23.2	21.0	19.1	17.8	16.5	15.0	13.5	11.8	9.9	8.0	6.4	4.0	2.0

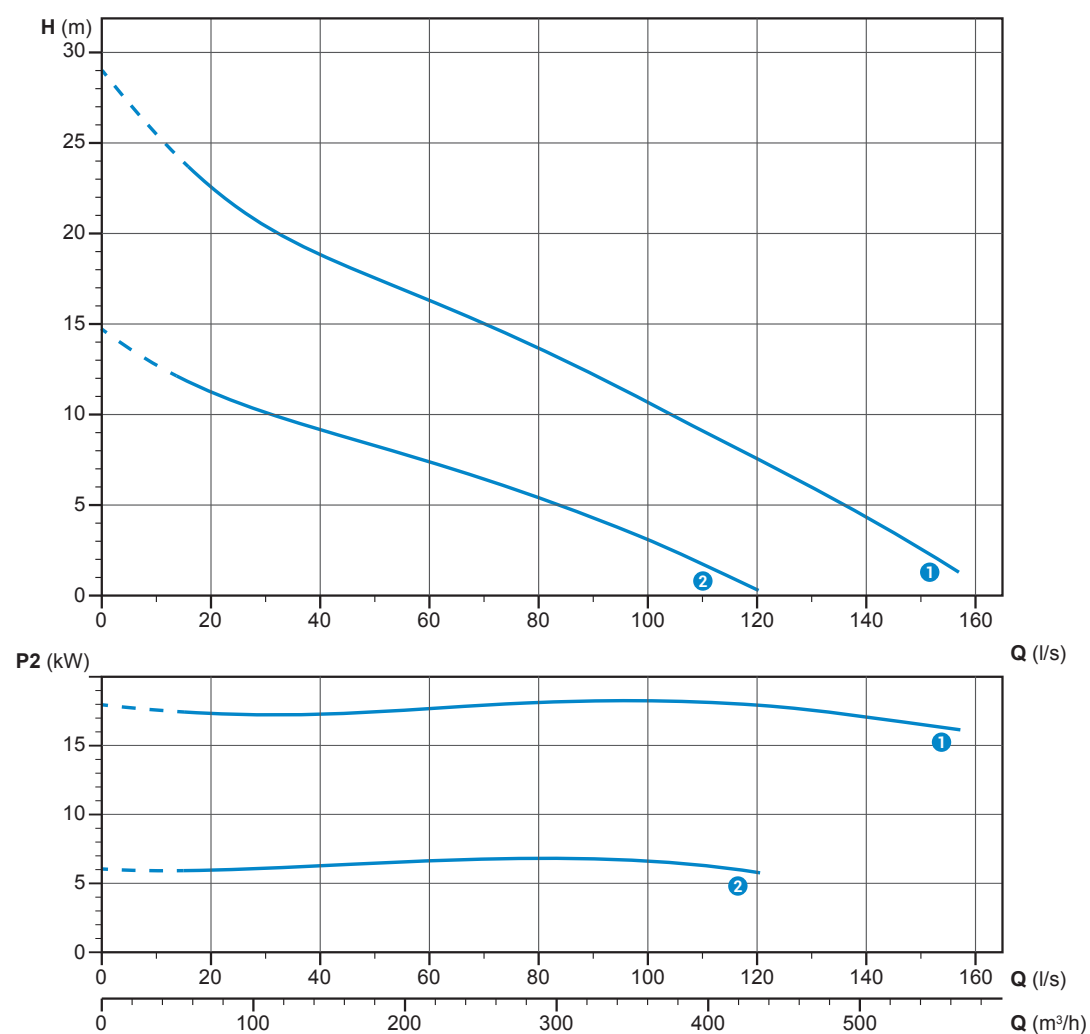
**Technical data**

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① SMP 1500/4/150 A0IT5	400	3	17.5	14.7	31.18	1450	Y Δ	2x 4G6 + 2G1	DN150	110x95 mm
② SMP 2000/4/150 A0IT5	400	3	22.5	18.8	39.60	1450	Y Δ	2x 4G6 + 2G1	DN150	130x100 mm

SMP 4-6/200

Performances

	l/s	0	20	40	60	80	100	120	140
	l/min	0	1200	2400	3600	4800	6000	7200	8400
	m ³ /h	0	72	144	216	288	360	432	504
① SMP 2000/4/200 A0IT5		29.0	22.5	19.0	16.2	13.6	10.8	7.8	4.0
② SMP 750/6/200 A0HT5		15.0	11.1	9.2	7.5	5.5	3.0	0.3	



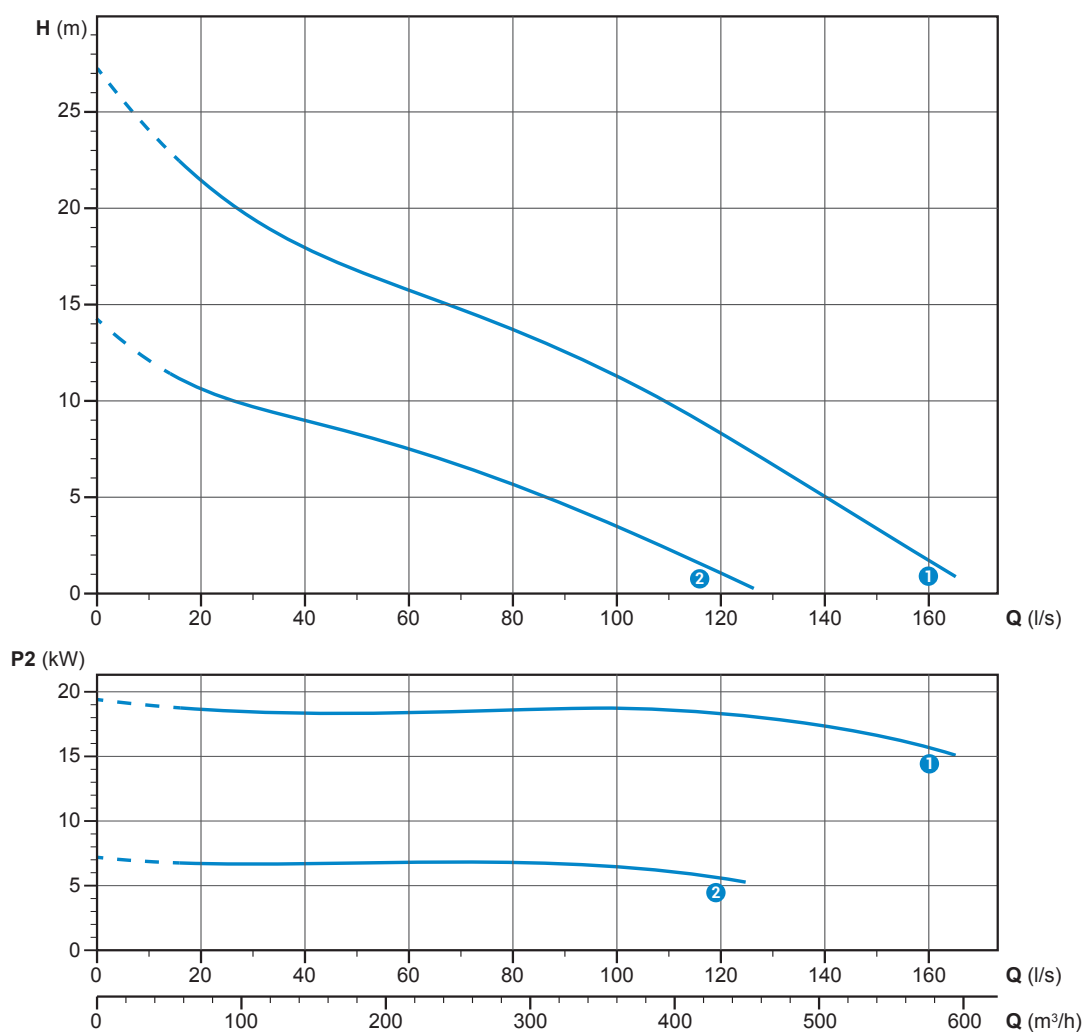
Characteristic curves according to UNI EN ISO 9906

Technical data

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① SMP 2000/4/200 A0IT5	400	3	22.5	18.8	39.60	1450	Y Δ	2x 4G6 + 2G1	DN200	130x100 mm
② SMP 750/6/200 A0HT5	400	3	8.4	6.76	15.75	960	Y Δ	7G1.5 + 3x0.75	DN200	130x100 mm

SMP 4-6/250**Performances**

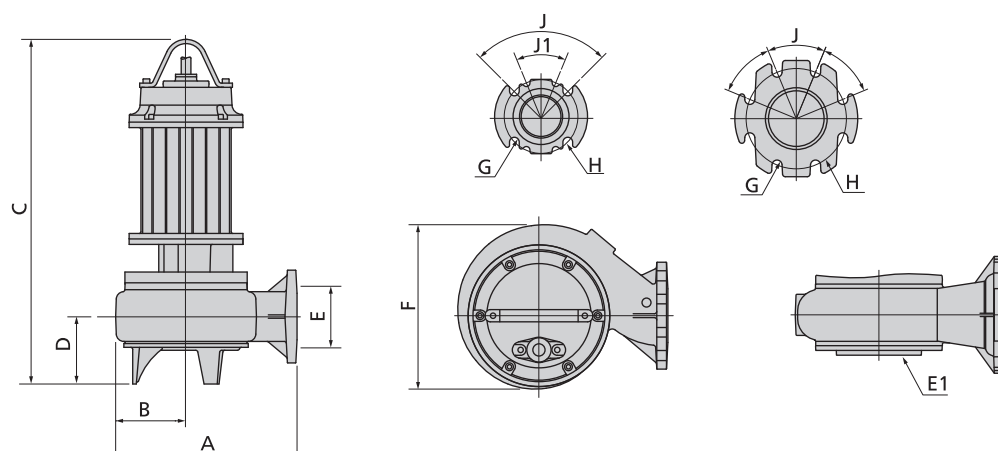
	l/s	0	20	40	60	80	100	120	140	160
	l/min	0	1200	2400	3600	4800	6000	7200	8400	9600
	m ³ /h	0	72	144	216	288	360	432	504	576
① SMP 2000/4/250 A0IT5		27.3	21.5	18.0	15.7	13.7	11.3	8.4	5.0	2.0
② SMP 750/6/250 A0HT5		14.1	10.6	9.0	7.5	5.8	3.6	1.0		

**Technical data**

	V	Phases	P1 (kW)	P2 (kW)	A	Rpm	Start	Cable	Ø	Free passage
① SMP 2000/4/250 A0IT5	400	3	22.5	18.8	39.60	1450	Y Δ	2x 4G6 + 2G1	DN200	130x100 mm
② SMP 750/6/250 A0HT5	400	3	8.4	6.76	15.75	960	Y Δ	7G1.5 + 3x0.75	DN200	130x100 mm

SMP

Overall dimensions and weights



	A	B	C	D	E	E1 (*)	F	G	H	J	J1	kg
SMP 550/2/80 A0GT5	390	150	735	150	80	-	290	18	160	90°	45°	73
SMP 750/2/80 A0HT5	390	150	795	150	80	-	295	18	160	90°	45°	76
SMP 1000/2/80 A0HT5	390	150	795	150	80	-	295	18	160	90°	45°	110
SMP 400/4/100 A0FT5	505	200	700	130	100	-	395	18	180	45°	-	81
SMP 750/4/100 A0HT5	505	200	780	120	100	DN150 PN6	395	18	180	45°	-	132
SMP 1000/4/100 A0HT5	505	200	760	100	100	DN150 PN6	395	18	180	45°	-	141
SMP 400/4/150 A0FT5	507	200	700	130	150	-	395	24	240	45°	-	88
SMP 750/4/150 A0HT5	505	200	780	120	150	DN150 PN6	395	24	240	45°	-	140
SMP 1000/4/150 A0HT5	505	200	760	100	150	DN150 PN6	395	24	240	45°	-	150
SMP 1500/4/150 A0IT5	650	255	955	140	150	DN200 PN6	505	24	240	45°	-	206
SMP 2000/4/150 A0IT5	650	255	955	140	150	DN200 PN6	505	24	240	45°	-	252
SMP 2000/4/200 A0IT5	695	275	970	145	200	DN200 PN6	540	24	295	45°	-	221
SMP 2000/4/250 A0IT5	785	310	970	145	250	DN200 PN6	610	24	350	30°	-	229
SMP 750/6/200 A0HT5	695	275	850	145	200	DN200 PN6	540	24	295	45°	-	190
SMP 750/6/250 A0HT5	785	310	850	145	250	DN200 PN6	610	24	350	30°	-	198

(*) DN of the suction flange

Dimensions in mm

Packaging dimension



	X	Y	Z
SMP 550/2/80 A0GT5	915	515	555
SMP 750/2/80 A0HT5	915	515	555
SMP 1000/2/80 A0HT5	915	515	555
SMP 400/4/100 A0FT5	725	445	415
SMP 750/4/100 A0HT5	915	515	555
SMP 1000/4/100 A0HT5	915	515	555
SMP 400/4/150 A0FT5	915	515	555
SMP 750/4/150 A0HT5	915	515	555
SMP 1000/4/150 A0HT5	915	515	555



	X	Y	Z
SMP 1500/4/150 A0IT5	915	515	555
SMP 2000/4/150 A0IT5	1165	720	685
SMP 2000/4/200 A0IT5	1165	720	685
SMP 2000/4/250 A0IT5	1165	720	685
SMP 750/6/200 A0HT5	1165	720	685
SMP 750/6/250 A0HT5	1165	720	685

Dimensions in mm