Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS



Description

For pumping sewage water in permanent or mobile installations.

- Wastewater and sewage from industrie.
- Sewage pumping.
- Sewage treatment plants.
- Manure pumping in farms.
- Sludges up to maximun of 6% dry matter.
- Build in cast iron or inox 304 or 316.
- Double mechanical seal.

Model Number:

BGP-OS - 037KW-P-N-F-C-6-S

OS: Series Name

037KW: Motor Power

• 037KW: 0,37Kw(0.5HP) • 0,75KW: 0.75Kw(1HP)

• 1,5KW: 1,5kw(2HP) • 2,2KW: 2,2Kw(3HP)

• 3,7KW: 3,7Kw(5HP) • 5,5KW: 5,5Kw(7.5HP)

• 7,5KW: 7,5Kw(10HP) • 11KW: 11Kw(15HP)

• **P:** Discharge Diameter

• P: 2” (50mm) •Q: 3”(75mm) •R: 4”(200mm)

• **N:** Discharge flange thread

• N: NPT Thread • B: BSP Thread

F: Float Switch option. Float Switch (available in single phase voltaje)

•F: With Flow switch •N: No float switch

C: Motor Voltage

•C: 115v •D: 230v •E: 208-230v •F: 460v

• 6: Frecuency

• 6: 60H •5: 50Hz

S: Phase

•S: Single Phase •T: Three Phase

Features:

- Vortex impeller with non-clog capability.
- Double Mechanical Seal.
- Operation with frecuency converter.
- Longitudinally watertight cable inlet.
- Smooth operation
- Simple installation via suspensión unit or pump base.

Tecnical Data:

- Standard power connection for 60Hz, Single phase 1ø available 120v-240v, three phase 3ø available from 208-230/460v (other voltages on request)
- Protection IP68
- Insulation Class: F
- Free passage from 1-1/4” thru 2”.
- Max fluid temperatura: 37 ^{o}F - 104^{o}F (3^{o}- 40^{o}F)
- Max inmersion depth: 10m

Materials:

- Motor Housing: SS 304
- Hydraulic Housing: ASTM-A48
- Impeller: ASTM-A48
- Mechanical seal: Carbon/Ceramic(SiC/Si on request)
- Shaft end: AISI410
- Oil Chamber: ASTM-A48

Options:

- Guide rail device with upper guide.
- Single phase models available with float switch.
- Type of conection Direct or Elbow according to the power consumption.
- SiC/SiC Mechanical seal.
- Switch gears.

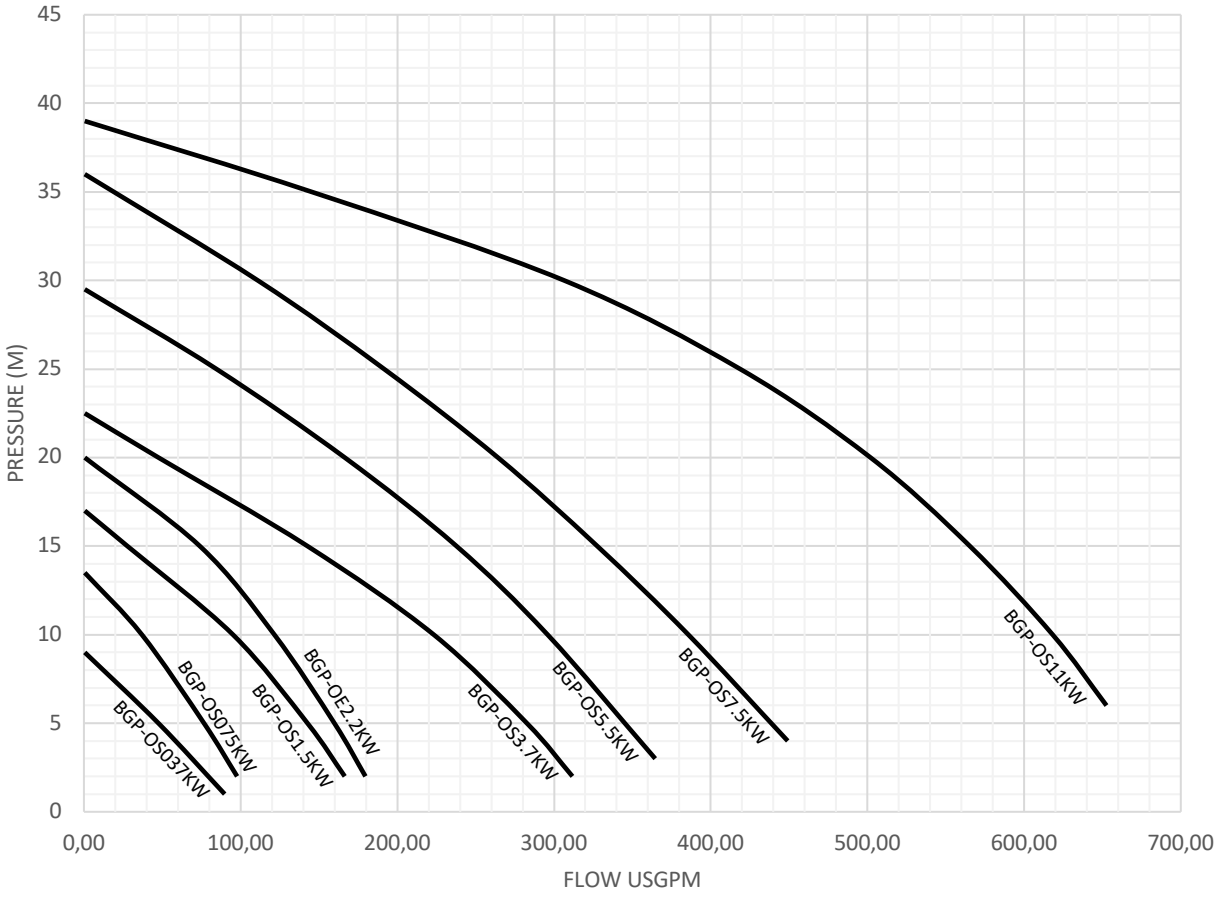
Dry Running:

Dry running operation of the BGP-OS series is not posible.
The pump casing must always be submerged, please use a switch gear with floating switch , the system should shut down automatically once the minimum water submersion is reached.

Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

General performance curves for OS models

GENERAL BGP OS MODEL (0.5HP-15HP) CURVE CHART



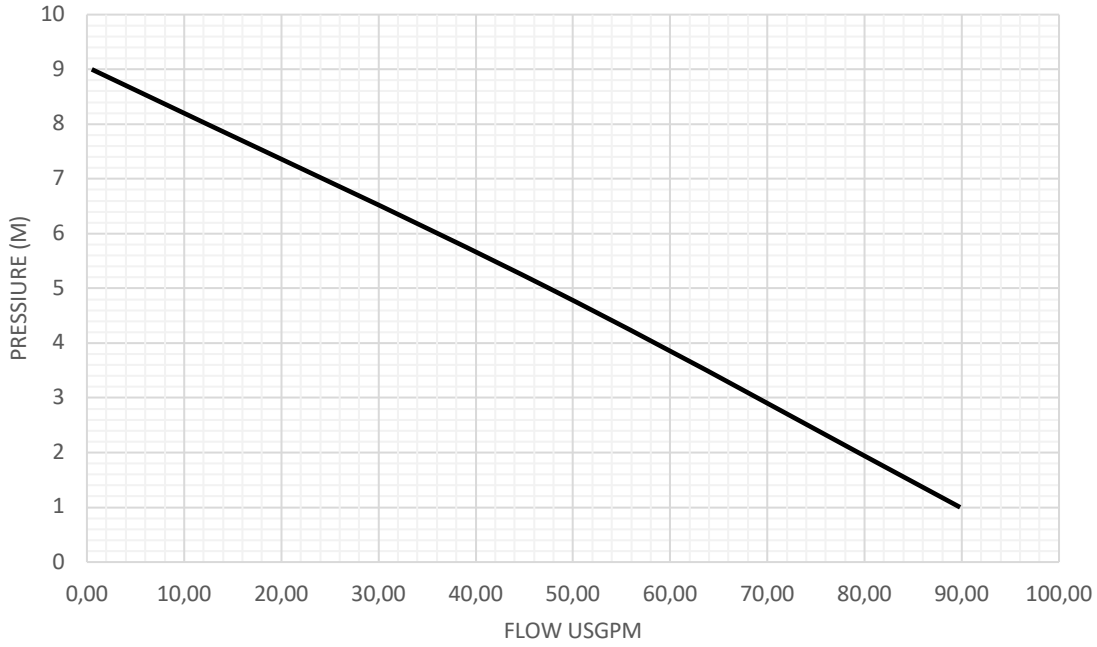
Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Berg-Gipfel Pumpen

Pump Curve, Technical data BGP-OS037KW series 3450rpm

Pump Type	Type of Impeller	Discharge [in/mm]	Threaded Flange	Suspension Device	Solids [in/mm]	Weight [kg/lbs]
OS037	Vortex	2” – 50mm	NPT	Available	1-1/4” - 35mm	14kg – 30.8lbs

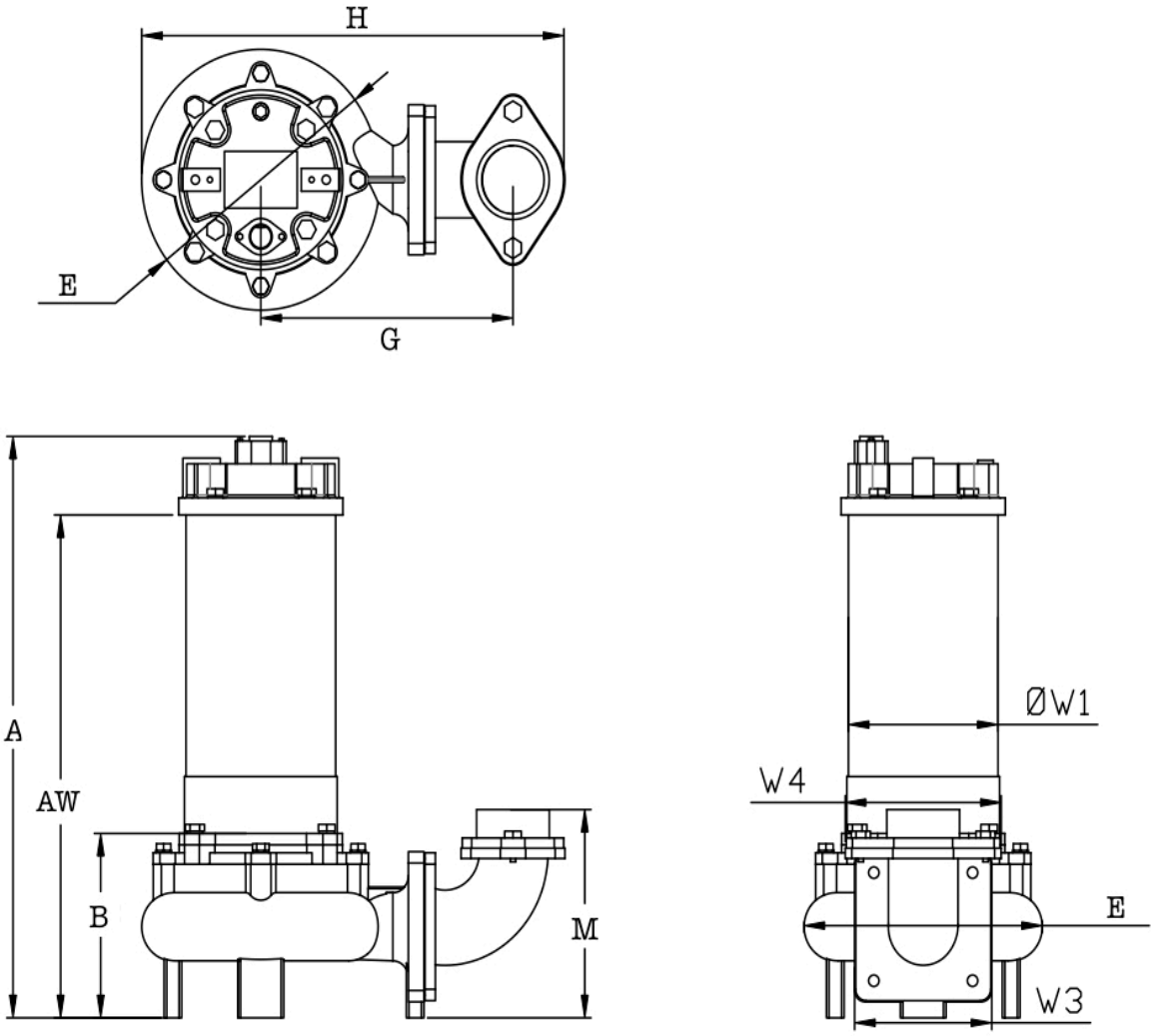
BGP-OS037KW 60Hz 3450rpm 0.5HP



MOTOR AND MODEL INFORMATION								
Part Number	Model	HP	Kw	Phase	Volts	RPM	FLA	Max. Amps
180348	BGP-OS037KWPNC6	0.5HP	0.37Kw	1	115v	3450	8 Amps	9.6 Amps
180349	BGP-OS037KWPNFC6	0.5HP	0.37Kw	1	115v	3450	8 Amps	9.6 Amps
180350	BGP-OS037KWPND6	0.5HP	0.37Kw	1	230v	3450	4 Amps	4.8 Amps
180351	BGP-OS037KWPNFD6	0.5HP	0.37Kw	1	230v	3450	4 Amps	4.8 Amps
180352	BGP-OS037KWPNE6	0.5HP	0.37Kw	3	208-230v	3450	2 Amps	3 Amps
180353	BGP-OS037KWPNF6	0.5HP	0.37Kw	3	460v	3450	1.2Amps	1.8 Amps

Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Dimensional Drawings BGP-OS037 series 3450rpm



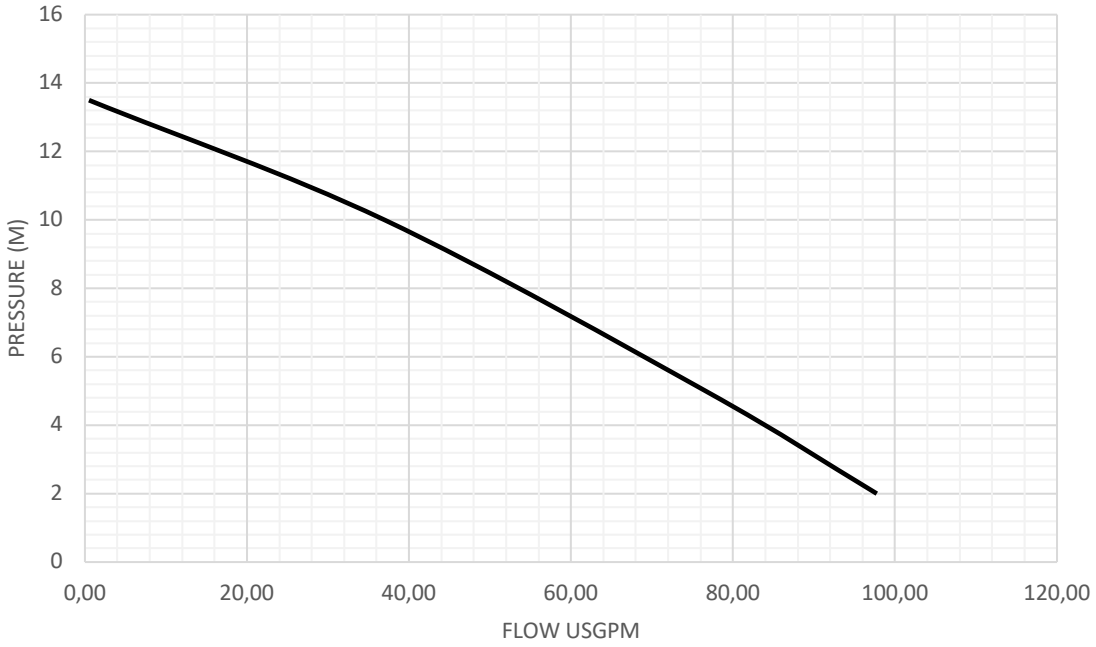
180° DN50	A	AW	B	M	H	E	G
[mm]	415	297	115	135	225	147	116
[“]	16.33	11.69	4.52	5.31	8.85	5.78	4.56

Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Pump Curve, Technical data BGP-OS075KW series 3450rpm

Pump Type	Type of Impeller	Discharge [in/mm]	Threaded Flange	Suspension Device	Solids [in/mm]	Weight [kg/lbs]
OS075	Vortex	2” – 50mm	NPT	Available	1-1/4” - 35mm	19kg – 41.8lbs

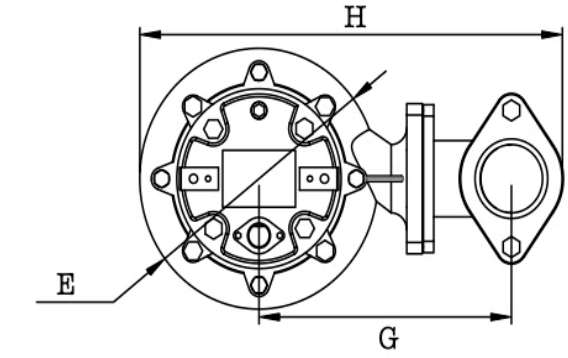
BGP-OS075KW 60Hz 3450rpm 1HP

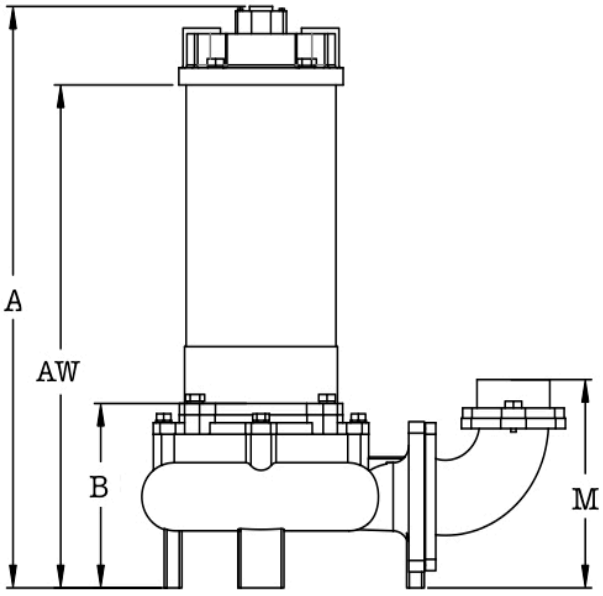


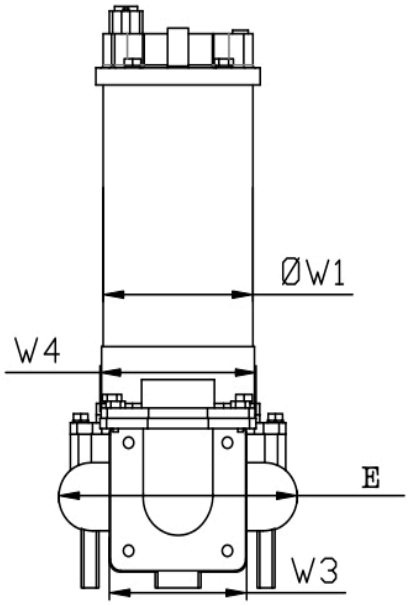
MOTOR AND MODEL INFORMATION								
Part Number	Model	HP	Kw	Phase	Volts	RPM	FLA	Max. Amps
180354	BGP-OS075KWPNC6	1HP	0.75Kw	1	115v	3450	12 Amps	14,4 Amps
180355	BGP-OS075KWPNFC6	1HP	0.75Kw	1	115v	3450	12 Amps	14,4Amps
180356	BGP-OS075KWPND6	1HP	0.75Kw	1	230v	3450	6 Amps	7.2 Amps
180357	BGP-OS075KWPNFD6	1HP	0.75Kw	1	230v	3450	6 Amps	7.2 Amps
180358	BGP-OS075KWPNE6	1HP	0.75Kw	3	208-230v	3450	3 Amps	3,6 Amps
180359	BGP-OS075KWPNF6	1HP	0.75Kw	3	460v	3450	1.3Amps	1,6 Amps

Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Dimensional Drawings BGP-OS075 series 3450rpm







180° DN50	A	AW	B	M	H	E	G
[mm]	465	345	115	135	225	146	116
[“]	18.3	13.58	4.52	5.31	8.85	5.74	4.56

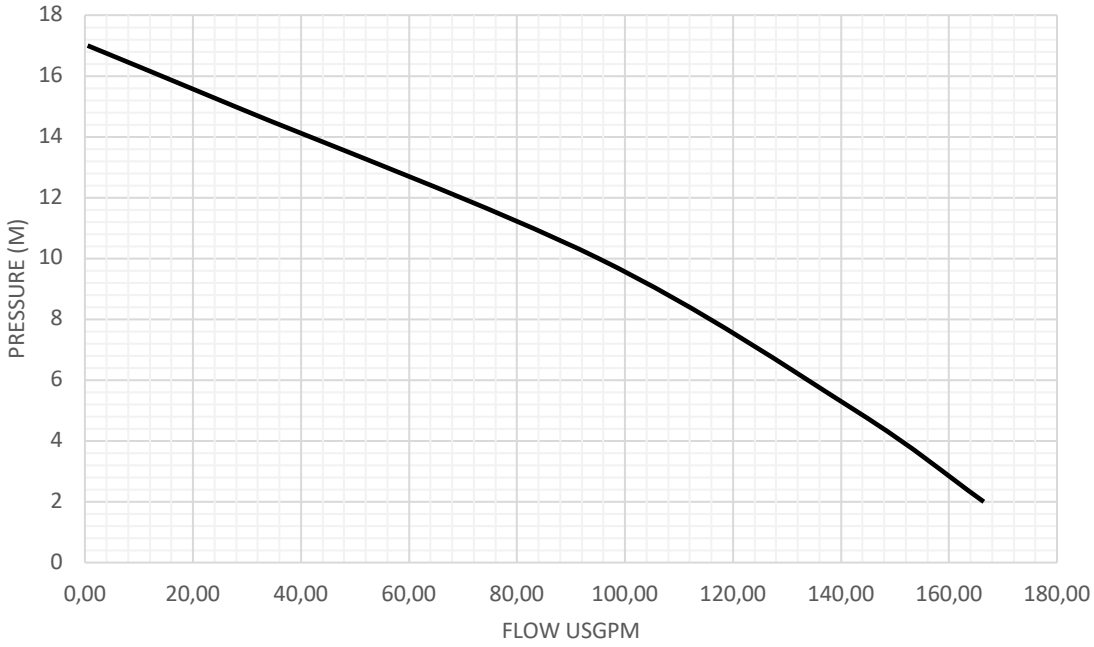
Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Berg-Gipfel Pumpen

Pump Curve, Technical data BGP-OS1.5KW series 3450rpm

Pump Type	Type of Impeller	Discharge [in/mm]	Threaded Flange	Suspension Device	Solids [in/mm]	Weight [kg/lbs]
OS01.5	Vortex	2” – 50mm (3” on-request)	NPT	Available	1-1/4” - 35mm	35kg – 75lbs

BGP-OS1.5KW 60Hz 3450rpm 2HP

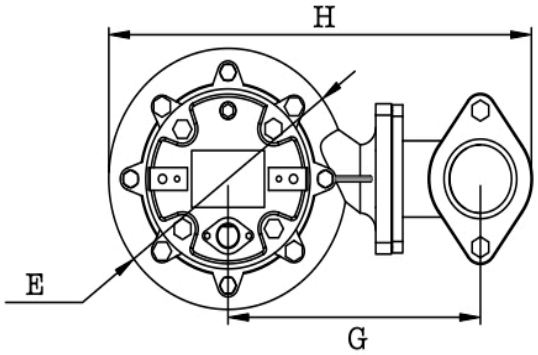


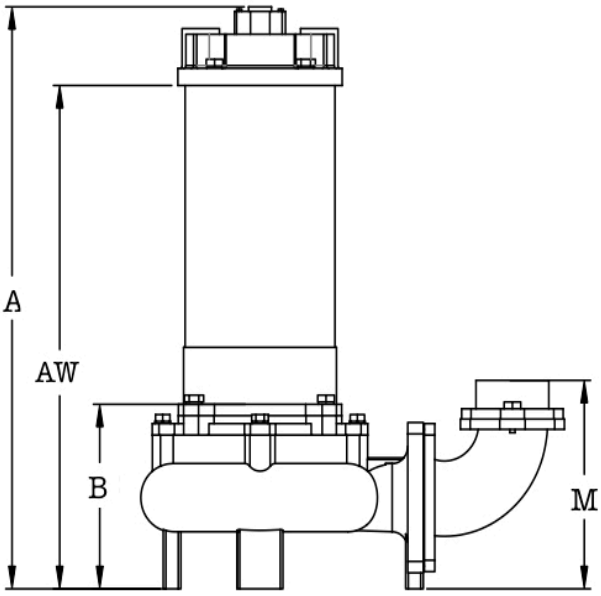
MOTOR AND MODEL INFORMATION								
Part Number	Model	HP	Kw	Phase	Volts	RPM	FLA	Max. Amps
180362	BGP-OS1.5KWPND6	2HP	1,5Kw	1	230v	3450	12 Amps	14,4 Amps
180363	BGP-OS1.5KWPNFD6	2HP	1,5Kw	1	230v	3450	12 Amps	14,4 Amps
180364	BGP-OS1.5KWPNE6	2HP	1,5Kw	3	208-230v	3450	6 Amps	7,2 Amps
180365	BGP-OS1.5KWPNF6	2HP	1,5Kw	3	460v	3450	3,5Amps	7,2 Amps

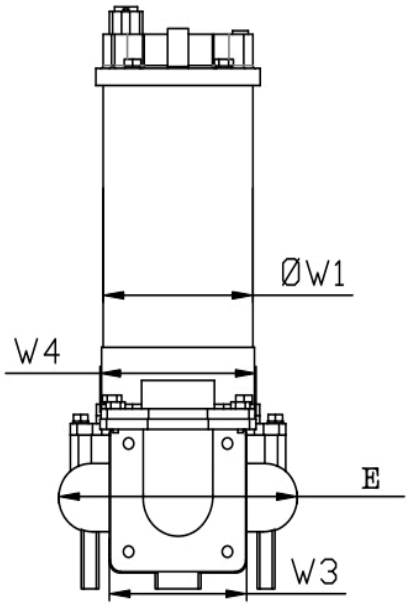
Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Berg-Gipfel Pumpen

Dimensional Drawings BGP-OS1.5 series 3450rpm







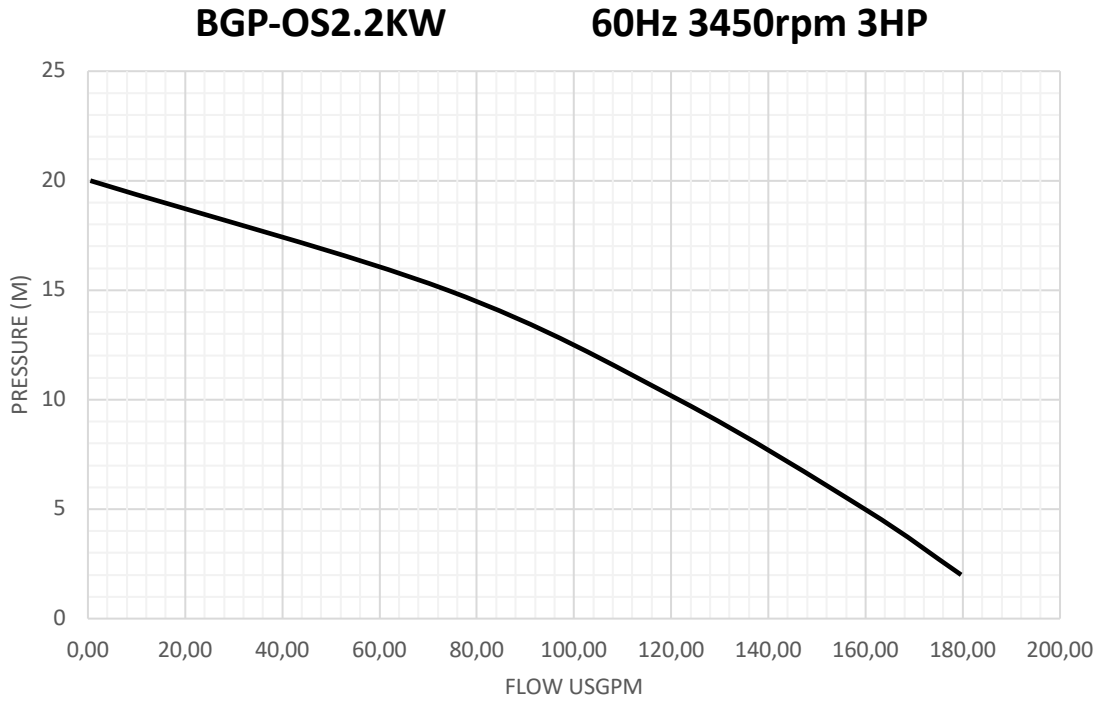
180° DN50/80	A	AW	B	M	H	E	G
[mm]	550	405	125	155	390	210	118
[“]	21.65	15.94	4.92	6.10	15.35	8.26	4.64

90° DN50/80	A	AW	B	M	H	E	G
[mm]	550	405	125	155	315	210	165
[“]	21.65	15.94	4.92	6.10	12.40	8.26	6.49

Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Pump Curve, Technical data BGP-OS2.2KW series 3450rpm

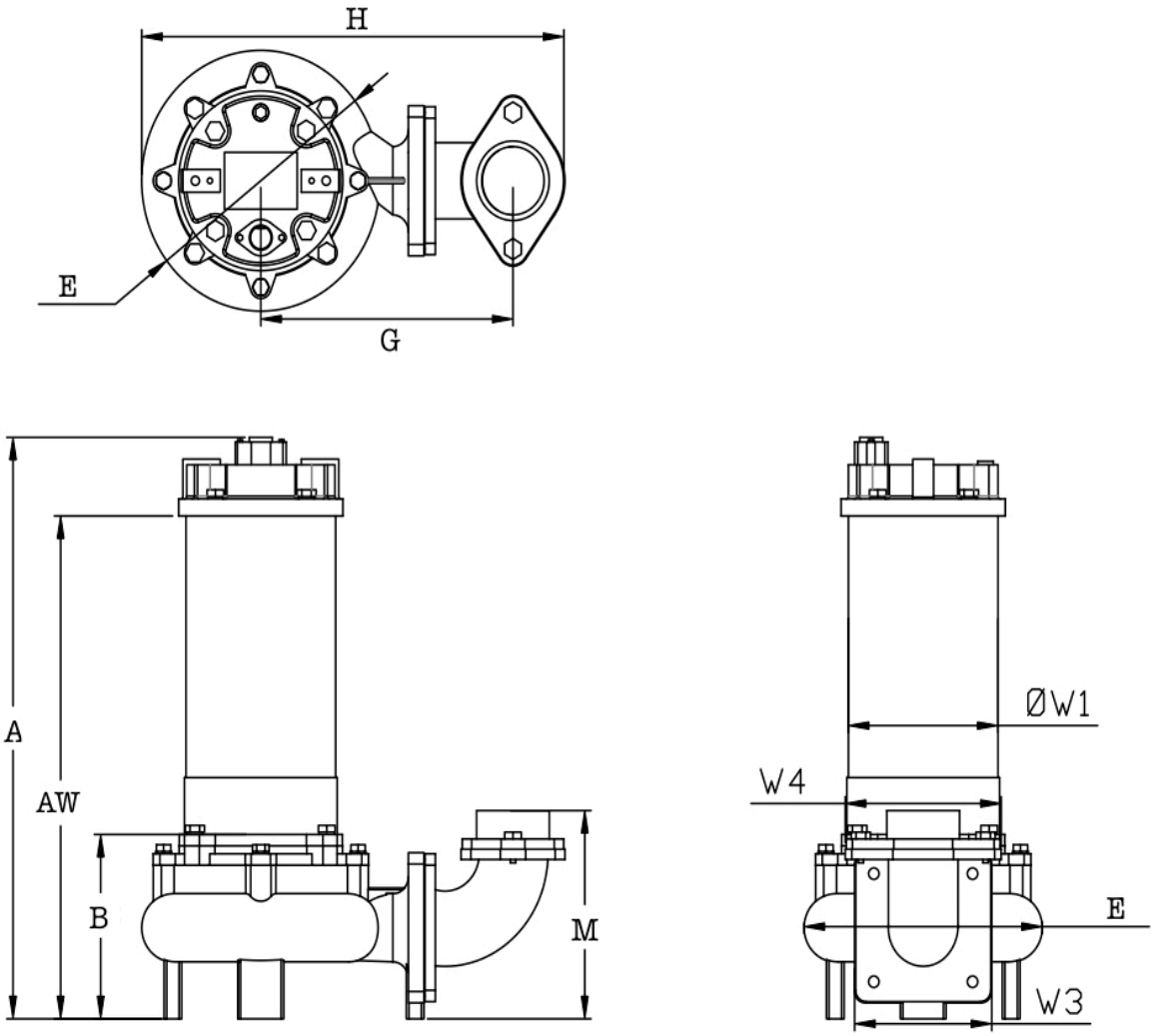
Pump Type	Type of Impeller	Discharge [in/mm]	Threaded Flange	Suspension Device	Solids [in/mm]	Weight [kg/lbs]
OS2.2	Vortex	2” – 50mm (3” on-request)	NPT	Available	1-1/4” - 35mm	33kg – 73lbs



MOTOR AND MODEL INFORMATION								
Part Number	Model	HP	Kw	Phase	Volts	RPM	FLA	Max. Amps
180366	BGP-OS2.2KWPND6	3HP	2,2Kw	1	230v	3450	18 Amps	21,6 Amps
180367	BGP-OS2.2KWPNFD6	3HP	2,2Kw	1	230v	3450	18 Amps	21,6 Amps
180368	BGP-OS2.2KWPNE6	3HP	2,2Kw	3	208-230v	3450	9 Amps	10,8 Amps
180369	BGP-OS2.2KWPNF6	3HP	2,2Kw	3	460v	3450	5,5Amps	6,6 Amps

Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Dimensional Drawings BGP-OS2.2 series 3450rpm



180°DN50/80	A	AW	B	M	H	E	G
[mm]	570	425	125	153	390	215	236
[“]	22.44	16.73	4.92	6.02	15.35	8.46	9.29

90° DN50/80	A	AW	B	M	H	E	G
[mm]	570	425	125	153	320	215	165
[“]	22.44	16.73	4.92	6.02	15.94	8.46	6.49

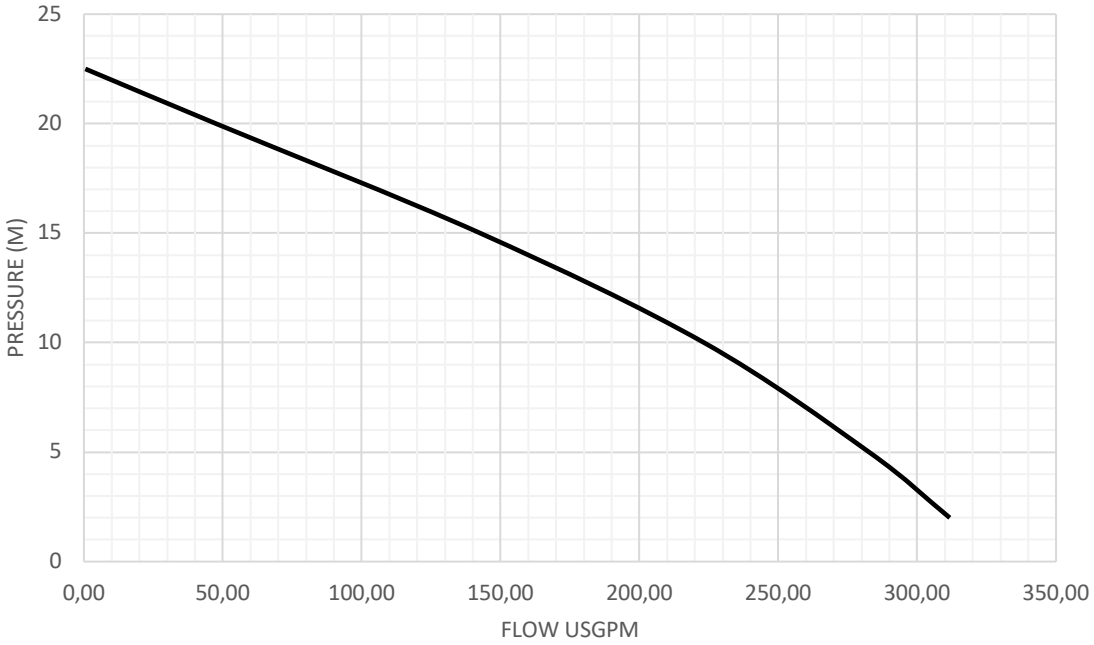
Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Berg-Gipfel Pumpen

Pump Curve, Technical data BGP-OS3.7KW series 3450rpm

Pump Type	Type of Impeller	Discharge [in/mm]	Threaded Flange	Suspension Device	Solids [in/mm]	Weight [kg/lbs]
OS3.7	Vortex	3” – 80mm (4” on-request)	NPT	Available	2” - 50mm	57kg – 125lbs

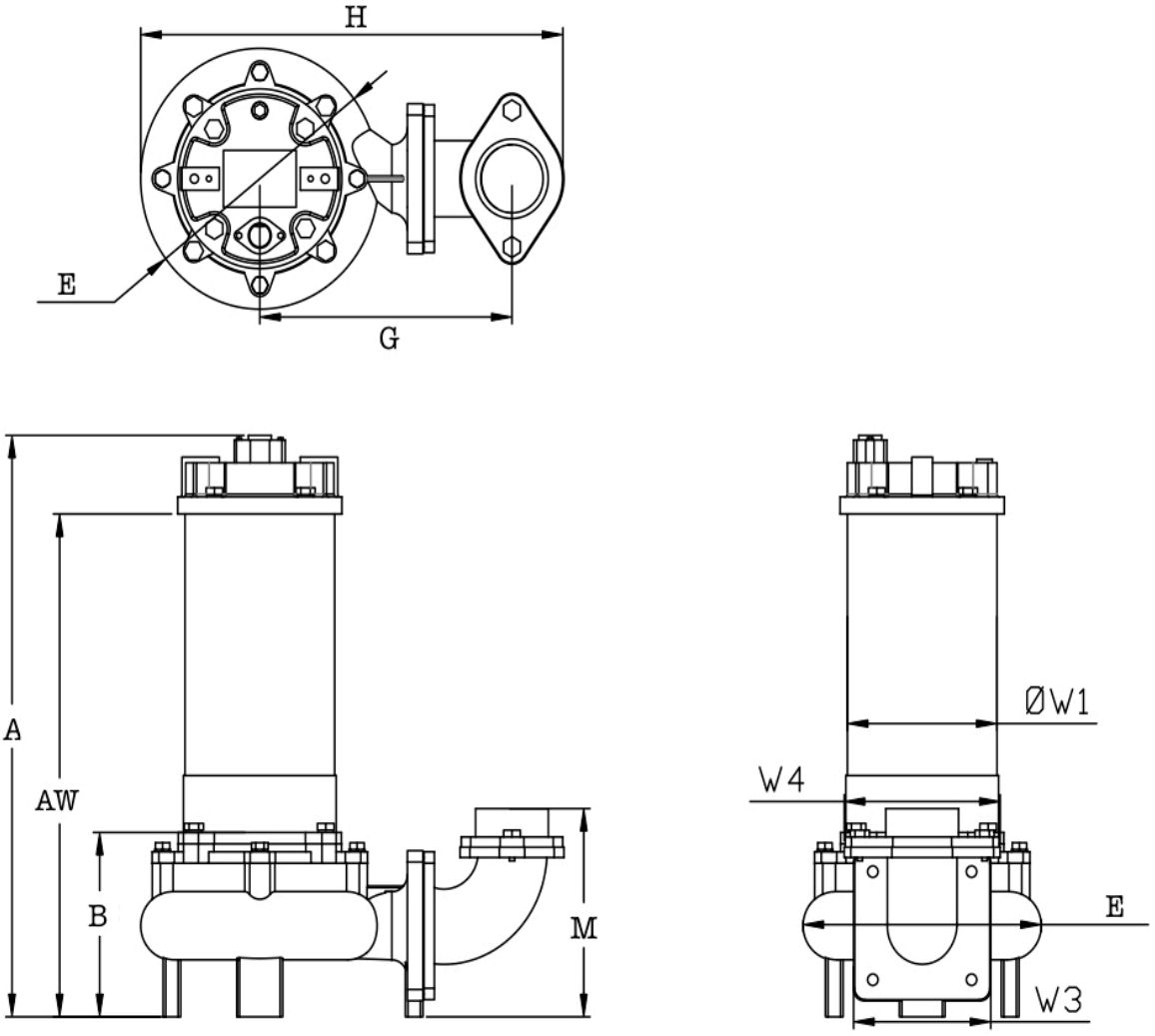
BGP-OS3.7KW 60Hz 3450rpm 5HP



MOTOR AND MODEL INFORMATION								
Part Number	Model	HP	Kw	Phase	Volts	RPM	FLA	Max. Amps
180372	BGP-OS3.7KWQNE6	5HP	3.7Kw	3	208-230v	3450	15 Amps	18,2 Amps
180373	BGP-OS3.7KWQNF6	5HP	3.7Kw	3	460v	3450	8,6Amps	10,4 Amps

Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Dimensional Drawings BGP-OS3.7 series 3450rpm



90° DN50/80	A	AW	B	M	H	E	G
[mm]	640	475	165	225	462	230	260
[“]	25.19	18.70	6.49	8.85	18.18	9.05	10.23

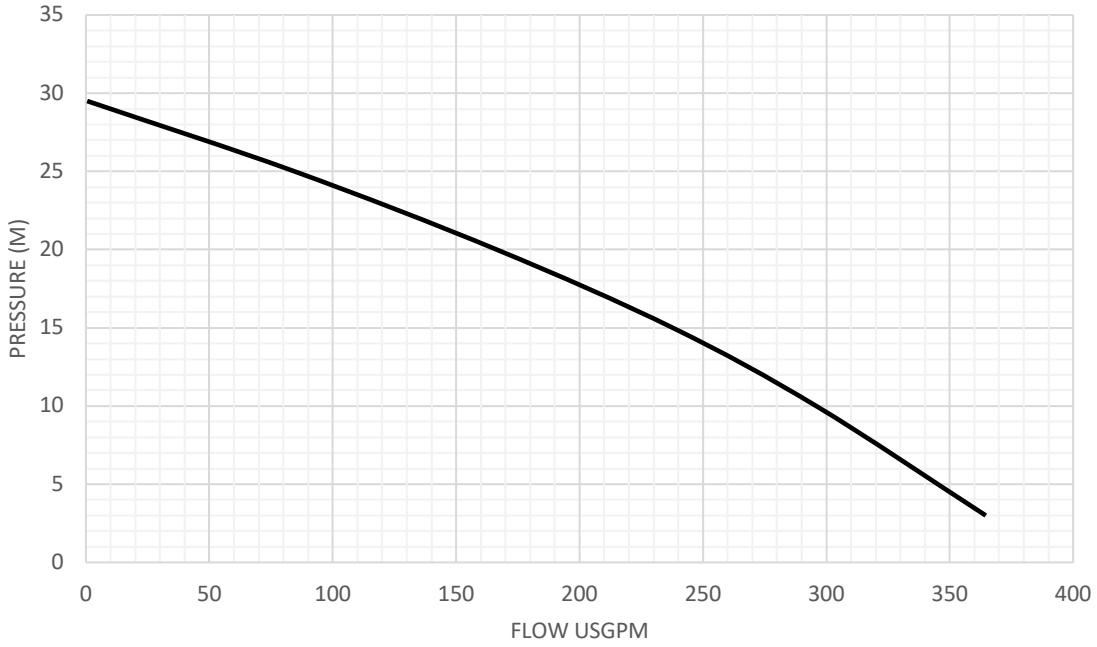
Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Berg-Gipfel Pumpen

Pump Curve, Technical data BGP-OS5.5KW series 3450rpm

Pump Type	Type of Impeller	Discharge [in/mm]	Threaded Flange	Suspension Device	Solids [in/mm]	Weight [kg/lbs]
OS5.5	Vortex	3” – 80mm (4” on-request)	NPT	Available	2” - 50mm	63kg – 138lbs

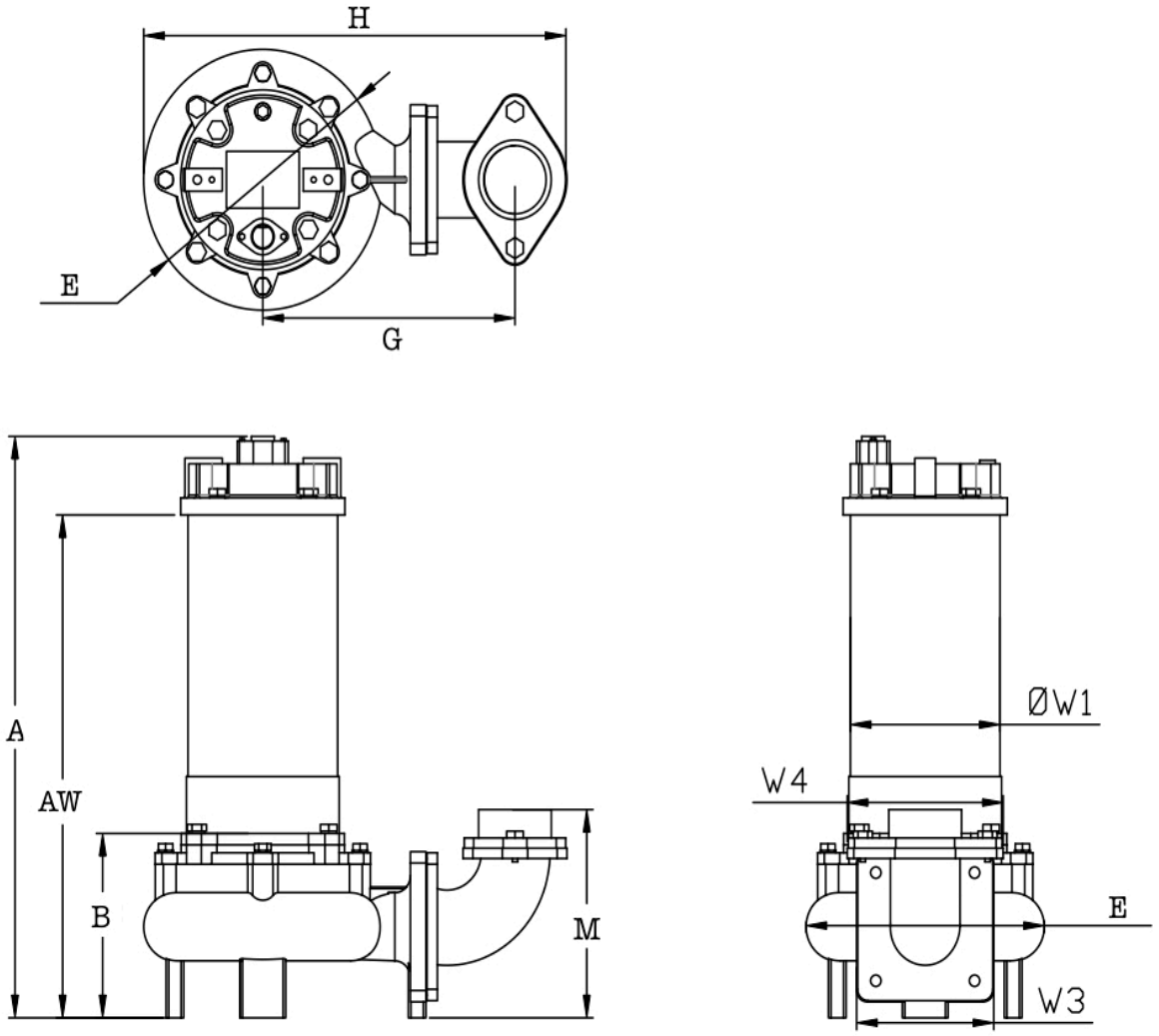
BGP-OS5.5KW 60Hz 3450rpm 7.5HP



MOTOR AND MODEL INFORMATION								
Part Number	Model	HP	Kw	Phase	Volts	RPM	FLA	Max. Amps
180374	BGP-OS5.5KWQNE6	7.5HP	5.5Kw	3	208-230v	3450	21 Amps	25,2 Amps
180375	BGP-OS5.5KWQNF6	7.5HP	5.5Kw	3	460v	3450	12Amps	14,4 Amps

Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Dimensional Drawings BGP-OS5.5 series 3450rpm



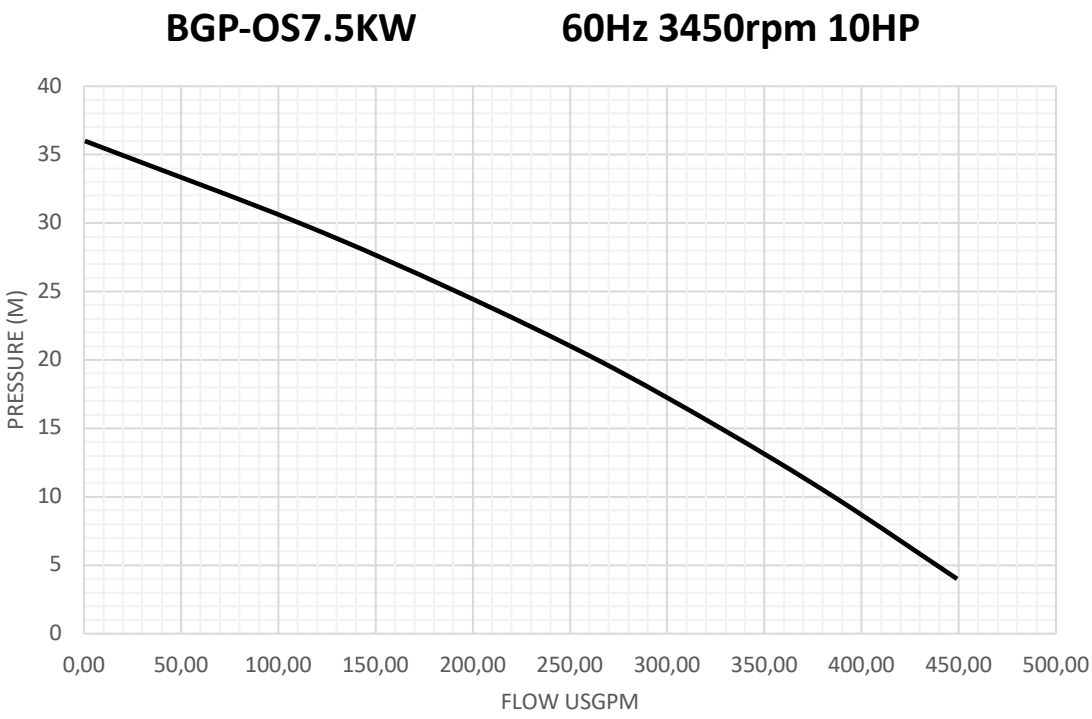
90° DN50/80	A	AW	B	M	H	E	G
[mm]	680	515	165	225	465	230	260
[“]	26.77	20.27	6.49	8.85	18.30	9.05	10.23

Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Berg-Gipfel Pumpen

Pump Curve, Technical data BGP-OS7.5KW series 3450rpm

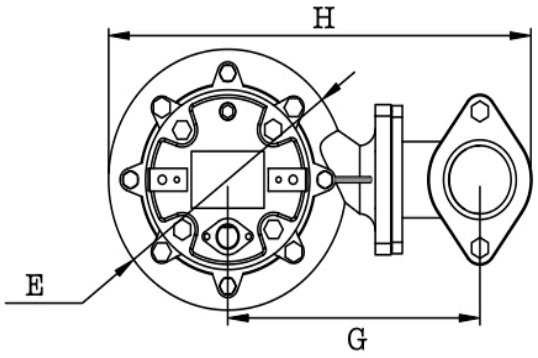
Pump Type	Type of Impeller	Discharge [in/mm]	Threaded Flange	Suspension Device	Solids [in/mm]	Weight [kg/lbs]
OS7.5	Vortex	4” – 100mm	NPT	Available	2” - 50mm	89kg – 196lbs

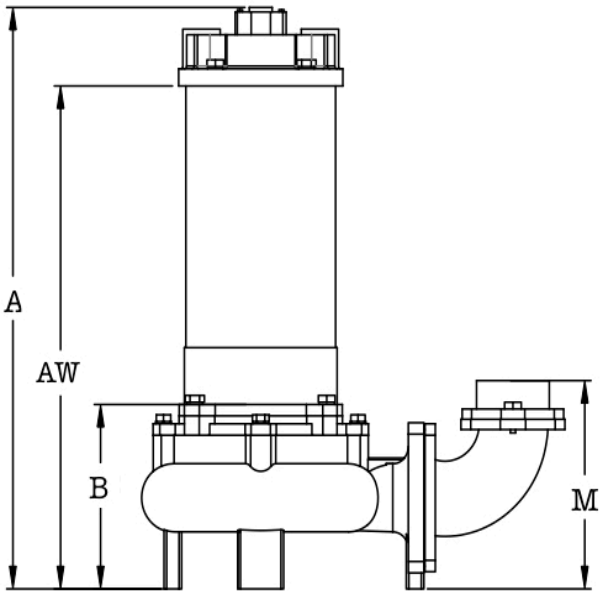


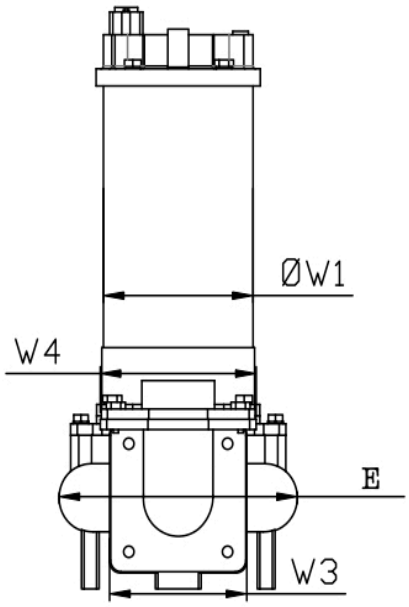
MOTOR AND MODEL INFORMATION								
Part Number	**Model**	**HP**	**Kw**	**Phase**	**Volts**	**RPM**	**FLA**	**Max. Amps**
180376	BGP-OS7.5KWRNE6	10HP	7.5Kw	3	208-230v	3450	25 Amps	30 Amps
180377	BGP-OS7.5KWRNF6	10HP	7.5Kw	3	460v	3450	15Amps	18 Amps

Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Dimensional Drawings BGP-OS7.5 series 3450rpm







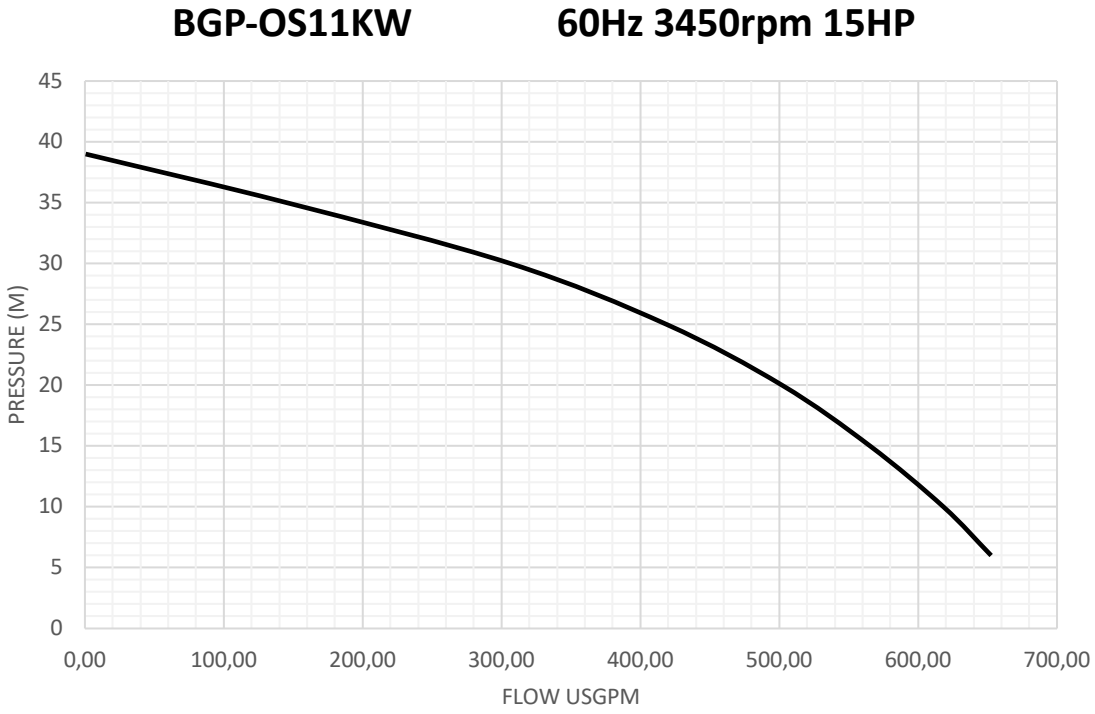
90° DN50/80	A	AW	B	M	H	E	G
[mm]	680	515	215	250	555	315	285
[“]	26.77	20.27	8.46	9.84	21.85	12.40	11.22

Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Berg-Gipfel Pumpen

Pump Curve, Technical data BGP-OS11KW series 3450rpm

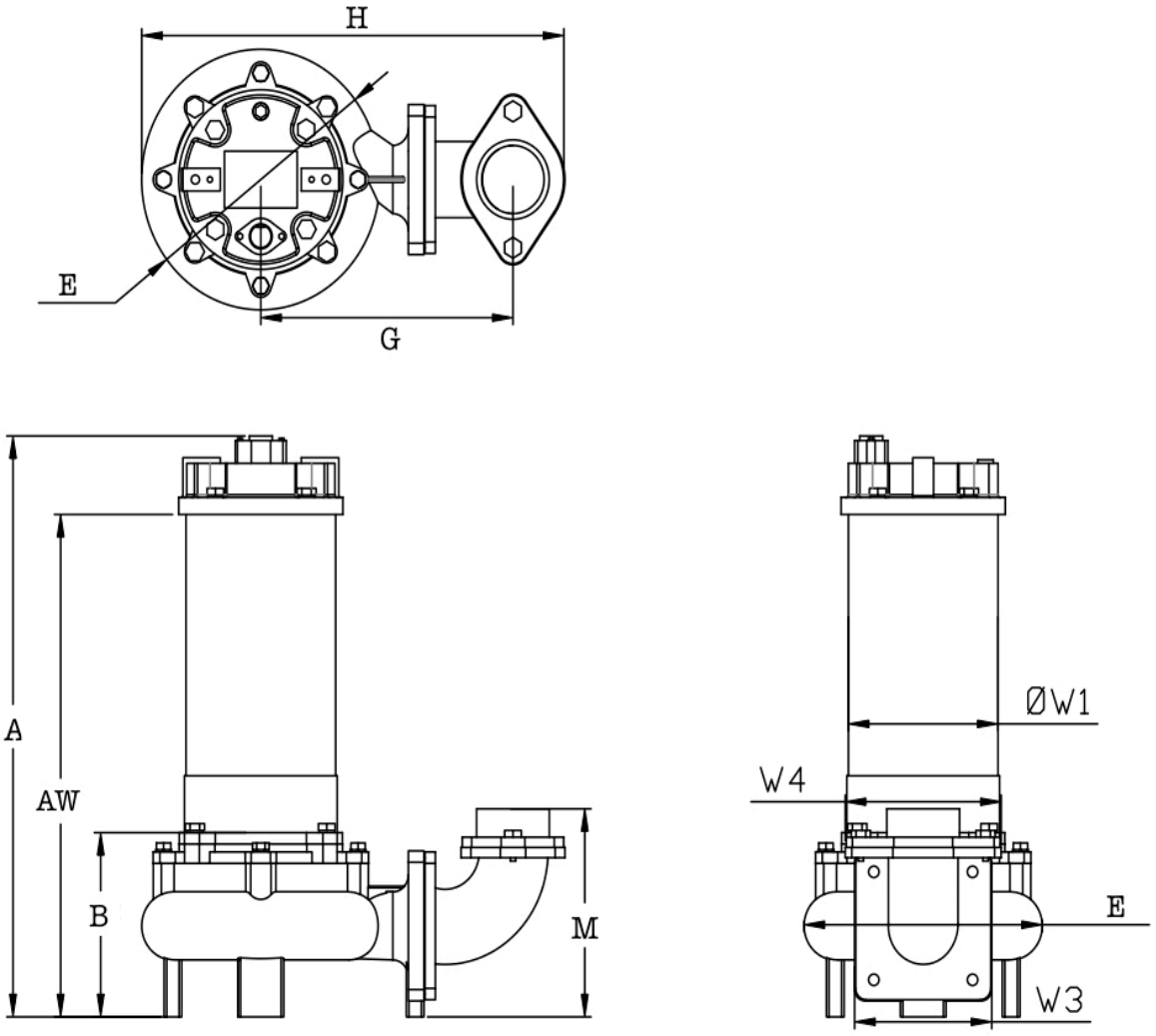
Pump Type	Type of Impeller	Discharge [in/mm]	Threaded Flange	Suspension Device	Solids [in/mm]	Weight [kg/lbs]
OS11	Vortex	4” – 100mm	NPT	Available	2” - 50mm	112kg – 247lbs



MOTOR AND MODEL INFORMATION								
Part Number	Model	HP	Kw	Phase	Volts	RPM	FLA	Max. Amps
180378	BGP-OS11KWRNE6	15HP	11Kw	3	208-230v	3450	41 Amps	49,2 Amps
180379	BGP-OS11KWRNF6	15HP	11Kw	3	460v	3450	24Amps	28,8 Amps

Wastewater Process
Submersible pumps from 2” up to 4”
Series Description BGP-OS

Dimensional Drawings BGP-OS11 series 3450rpm



90° DN50/80	A	AW	B	M	H	E	G
[mm]	735	585	253	315	565	315	315
[“]	28.93	23.03	9.96	12.40	22.24	12.40	12.40