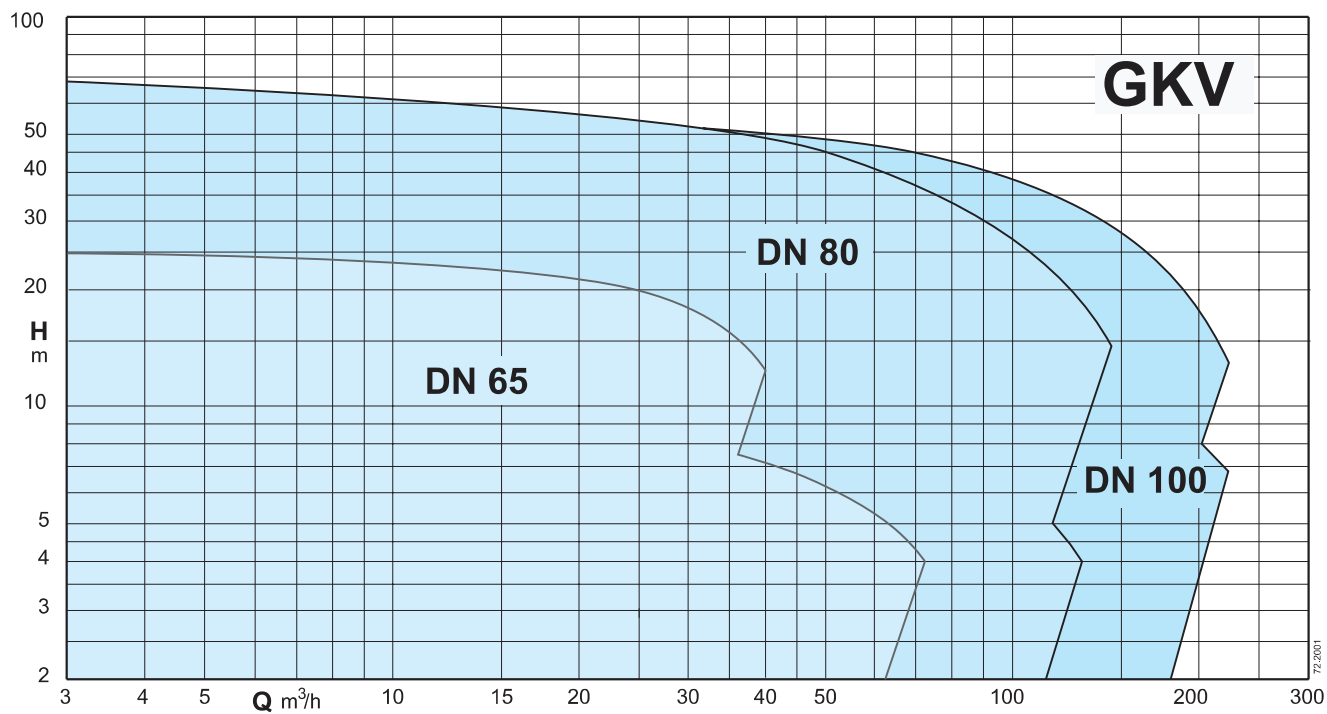
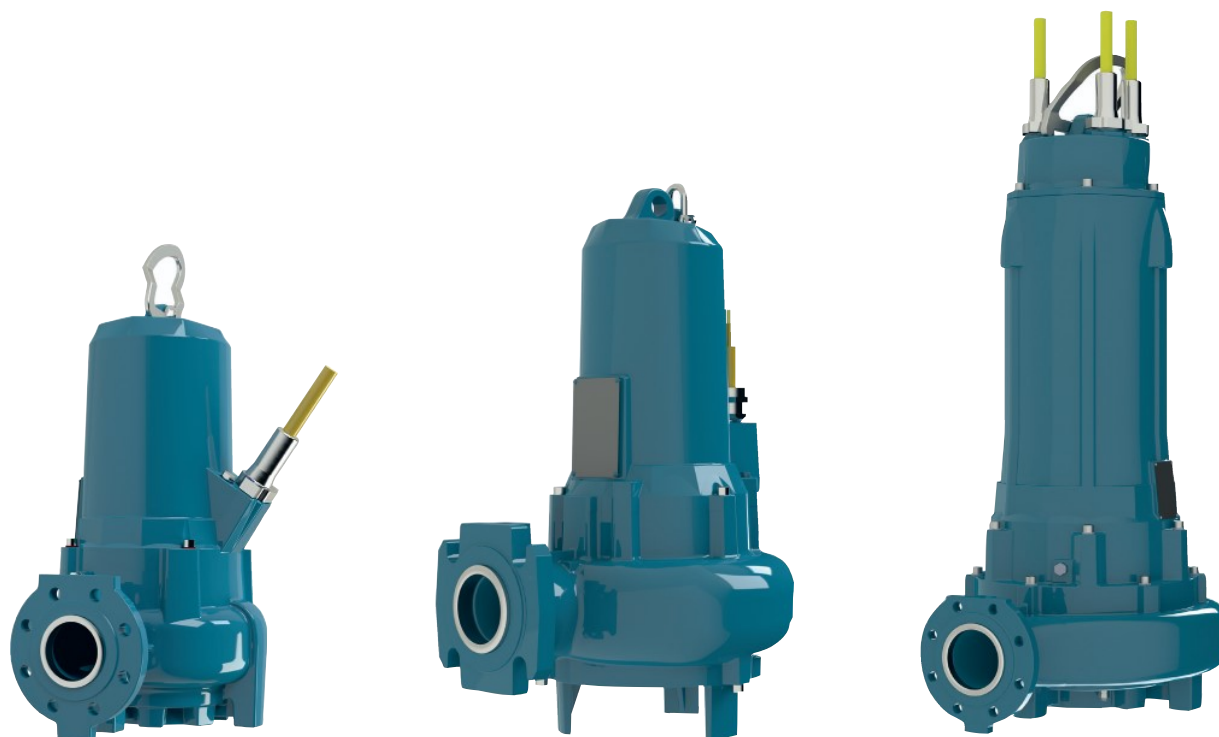




Submersible pumps with vortex impeller

Construction

Submersible pumps with vortex impeller.

The impeller offers reliability against clogging due to the feature of wide through passages, and a good resistance to wear thanks to the absence of shimming. The versatility of use compensates for this impellers somewhat lower efficiency. The impeller can be reduced in dimension to offer different characteristics. Delivery port DN 65-80-100.

Applications

For waste water and sewage with suspended bodies and with the presence of filamentous bodies, they are particularly suitable for the emptying of wells or primary collection tanks and septic tanks in domestic, residential and industrial installations.

Solid passage from 40 to 100mm

Operating conditions

Liquid temperature: from 0°C to +40°C.

Maximum immersion depth: 20m (with cable of suitable length).

Maximum working pressure: 80 m.w.c.

pH of the liquid to be lifted: 4 ÷ 10

Continuous service (with water at minimum immersion level).

Materials

Pump casing: cast iron EN-GJL250 UNI-EN 1561-11

Impeller: cast iron EN-GJL250 UNI-EN 1561-11

Motor casing: cast iron EN-GJL250 UNI-EN 1561-11

Shaft: stainless steel X20Cr13 (AISI420)

Motor side mechanical seal: graphite/ceramic

Pump side mechanical seal: silicon carbide/ceramic

Motor

Induction motor with 2, 4 or 6 poles, 50Hz.

Three-phase version: 400V ± 10% up to 4.8 kW

400/690V ± 10% from 5.8 kW

Isolation class: H

Degree of protection: IP 68

Max number of starts per hour:

- 20 up to 5 kW

- 15 up to 10 kW

- 10 for higher powers

Cable: length 10m

Direction of rotation: clockwise top view

Motor suitable for operation with frequency converter.

Special features on request

(Check feasibility according to the model with our Technical Sales Office).

ATEX versions complying with EN60079-0 - EN60079-1 type I M2 Ex db h I Mb,

II 2G Ex db h IIB T4 Gb.

Impeller in stainless steel AISI 316 or bronze.

Bronze impeller seat ring.

Cable length up to 40 m

Other mechanical seal.

Higher or lower liquid or ambient temperatures.

Ceramic coating.

Internal anti-erosion coating, external anti-corrosion.

Designation

GKV4 65-55D-0021F-X

GK = Series

V = Vortex impeller

4 = Number of poles

65 = Delivery port diameter in mm

55 = Free passage in mm

D = Impeller trim

0021 = Motor size (P2 = 2,1 kW)

F = Size of electric motor flanging

X = Versione ATEX

Technical data

TYPE	Version	Dry chamber version		Probes		Cable		Class	Duck foot coupling	Submersible pump rest	Dry chamber pump rest	Dry chamber pump support
	ATEX	Vertical	Horizontal	thermal	conductivity	NSSHO-J	H07RN-F	Isolation / Efficiency				
GKV4 65-55G-0016F	o	-	-	o	o	-	•	H / IE3	SAK 65-65-2	-	-	-
GKV4 65-55D-0021F	o	-	-	o	o	-	•	H / IE3	SAK 65-65-2	-	-	-
GKV4 65-55A-0026F	o	-	-	o	o	-	•	H / IE3	SAK 65-65-2	-	-	-
GKV2 65-40L-0020F	o	-	-	o	o	-	•	H / IE3	SAK 65-65-2	-	-	-
GKV2 65-40G-0025F	o	-	-	o	o	-	•	H / IE3	SAK 65-65-2	-	-	-
GKV2 65-40A-0031F	o	-	-	o	o	-	•	H / IE3	SAK 65-65-2	-	-	-
GKV2 65-40D-0031F	o	-	-	o	o	-	•	H / IE3	SAK 65-65-2	-	-	-
GKV6 80-80P-0015H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV6 80-80M-0015H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV6 80-80I-0015H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV6 80-80E-0015H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV6 80-80A-0015H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV4 80-80P-0016H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV4 80-80M-0016H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV4 80-80I-0021H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV4 80-80H-0029H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV4 80-80E-0037H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV4 80-80C-0046H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV4 80-80A-0058H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80V-0048H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80X-0048H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80Z-0048H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80N-0065H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80P-0065H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80Q-0065H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80R-0065H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80T-0065H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80W-0048H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80W-0065H	o	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3

* = Standard o = Optional # = Version with oil chamber
- = Not present

= In case of operation in a dry chamber or with a low level of the pumped liquid, it is necessary to introduce the cooling oil according to the quantities indicated in the use and maintenance manual

Technical data

TYPE	Version	Dry chamber version		Probes		Cable		Class	Duck foot coupling	Submersible pump rest	Dry chamber pump rest	Dry chamber pump support
	ATEX	Vertical	Horizontal	thermal	conductivity	NSSHOU-J	H07RN-F	Isolation				
GKV2 80-80W-0090H	o	#	#	•	•	•	—	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80T-0090H	o	#	#	•	•	•	—	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80R-0090H	o	#	#	•	•	•	—	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80Q-0090H	o	#	#	•	•	•	—	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80P-0090H	o	#	#	•	•	•	—	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80N-0090H	o	#	#	•	•	•	—	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80R-0125L	o	#	#	•	•	•	—	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80P-0165L	o	#	#	•	•	•	—	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80L-0165L	o	#	#	•	•	•	—	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80G-0165L	o	#	#	•	•	•	—	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80D-0165L	o	#	#	•	•	•	—	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80A-0165L	o	#	#	•	•	•	—	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV6 100-100E-0040L	o	#	#	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV6 100-100C-0040L	o	#	#	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV6 100-100A-0040L	o	#	#	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100R-0021H	o	#	#	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100N-0029H	o	#	#	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100L-0037H	o	#	#	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100F-0046H	o	#	#	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100A-0058H	o	#	#	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100E-0075L	o	#	#	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100C-0105L	o	#	#	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100A-0125L	o	#	#	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV2 100-80L-0260N	o	#	—	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100A	APCK 100	-
GKV2 100-80I-0260N	o	#	—	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100A	APCK 100	-
GKV2 100-80H-0350N	o	#	—	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100A	APCK 100	-
GKV2 100-80G-0350N	o	#	—	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100A	APCK 100	-
GKV2 100-80F-0350N	o	#	—	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100A	APCK 100	-
GKV2 100-80E-0350N	o	#	—	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100A	APCK 100	-
GKV2 100-80D-0350N	o	#	—	•	•	•	—	H / IE3	SAK 100-100-2A	APK 100A	APCK 100	-

• = Standard
- = Not present

o = Optional

= Version with oil chamber

= In case of operation in a dry chamber or with a low level of the pumped liquid, it is necessary to introduce the cooling oil according to the quantities indicated in the use and maintenance manual

Performance

n ≈ 1450 1/min

			Q = Flow														
			m³/h	0	2,9	3,6	7,2	10,8	14,4	18	21,5	25,2	28,8	32,4	36	54	72
Model	400V	P2	l/min	0	48,33	60	120	180	240	300	358	420	480	540	600	900	1200
	A	kW	H (m) = Total head														
GKV4 65-55G-0016F	3,7	1,6		7,8	7,7	7,7	7,5	7,3	7,1	6,9	6,6	6,3	5,9	5,5	5,1	2,7	-
GKV4 65-55D-0021F	5,1	2,1		9,3	9,1	9,1	8,9	8,6	8,4	8,1	7,9	7,6	7,4	7,1	6,8	4,8	-
GKV4 65-55A-0026F	5,8	2,6		10,6	10,5	10,4	10,2	10	9,9	9,7	9,4	9,2	8,9	8,7	8,4	6,5	4,1

n ≈ 2850 1/min

			Q = Flow															
			m³/h	0	2,2	2,5	2,9	3,2	3,6	7,2	10,8	14,4	18	21,5	25,2	28,8	32,4	36
Model	400V	P2	l/min	0	36,66	41,66	48,33	53,33	60	120	180	240	300	358	420	480	540	600
	A	kW	H (m) = Total head															
GKV2 65-40L-0020F	4,1	2		15,8	15	14,9	14,7	14,6	14,5	13,3	12,4	11,6	10,8	10,1	9,3	8,6	7,8	7
GKV2 65-40G-0025F	5,5	2,5		17,4	16,9	16,8	16,7	16,6	16,6	15,7	14,9	14,2	13,5	12,8	12,1	11,3	10,4	9,5
GKV2 65-40A-0031F	5,6	3,1		26,8	-	-	-	-	-	24,5	23,4	22,3	21,2	20,1	18,9	-	-	-
GKV2 65-40D-0031F	5,6	3,1		22,7	22	21,9	21,8	21,7	21,6	20,6	19,6	18,6	17,7	16,8	15,9	14,8	13,8	12,7

n ≈ 950 1/min

			Q = Flow														
			m³/h	0	2,2	2,9	3,6	7,2	10,8	14,4	18	21,5	25,2	28,8	32,4	36	54
Model	400V	P2	l/min	0	36,66	48,33	60	120	180	240	300	358	420	480	540	600	900
	A	kW	H (m) = Total head														
GKV6 80-80P-0015H	3,4	1,5		3,1	3,1	3,1	3	2,9	2,7	2,5	2,2	2	1,7	1,4	1	0,6	-
GKV6 80-80M-0015H	3,4	1,5		4,1	4	4	4	3,8	3,6	3,4	3,2	2,9	2,7	2,4	2,1	1,8	-
GKV6 80-80I-0015H	3,4	1,5		4,7	4,6	4,6	4,6	4,4	4,3	4,1	3,9	3,7	3,4	3,2	2,9	2,7	1,4
GKV6 80-80E-0015H	3,4	1,5		6,1	6	6	6	5,8	5,6	5,4	5,2	5	4,8	4,6	4,4	4,2	2,9
GKV6 80-80A-0015H	3,4	1,5		7,6	7,5	7,4	7,4	7,2	7	6,7	6,5	6,3	6,1	5,9	5,7	5,4	4,2

n ≈ 1450 1/min

						Q = Flow											
						m³/h	0	2,9	3,6	7,2	14,4	21,5	28,8	36	54	72	90
Model	400V	400V	690V	P2	P2	l/min	0	48,33	60	120	240	358	480	600	900	1200	1500
	A	A	A	kW	HP	H (m) = Total head											
GKV4 80-80P-0016H	3,4	-	-	1,6	-		6,9	6,8	6,8	6,6	6,1	5,4	4,6	3,7	-	-	-
GKV4 80-80M-0016H	3,4	-	-	1,6	-		9,4	9,2	9,1	8,9	8,3	7,8	7,2	6,4	4,3	-	-
GKV4 80-80I-0021H	5,0	-	-	2,1	-		10,9	10,8	10,7	10,5	10	9,5	8,8	8,1	6,2	4,1	-
GKV4 80-80H-0029H	6,1	-	-	2,9	-		12,4	12,2	12,2	11,9	11,4	10,9	10,2	9,6	7,7	5,6	3,3
GKV4 80-80E-0037H	7,7	-	-	3,7	5		14,1	13,9	13,8	13,5	12,9	12,3	11,7	11,1	9,6	7,7	5,6
GKV4 80-80Q-0046H	9,5	-	-	4,6	-		15,7	15,5	15,5	15,2	14,6	14	13,4	12,7	11,1	9,4	7,6
GKV4 80-80A-0058H	-	11,9	6,9	5,8	-		17,3	17	16,9	16,6	15,8	15	14,3	13,6	12,1	10,5	8,7

n ≈ 2850 1/min

					Q = Flow												
					m³/h	0	1,4	2,2	2,9	3,6	7,2	10,8	14,4	18	21,5	25,2	28,8
Model	400V	690V	P2		l/min	0	23,33	36,66	48,33	60	120	180	240	300	358	420	480
	A		kW		H (m) = Total head												
GKV2 80-80V-0048H	8,9	-	-	4,8		19,5	19,5	19,4	19,4	19,4	19,1	18,8	18,3	17,9	17,3	16,8	16,2
GKV2 80-80X-0048H	8,9	-	-	4,8		17	17	16,9	16,9	16,9	16,6	16,2	15,8	15,4	15	14,5	14,1
GKV2 80-80Z-0048H	8,9	-	-	4,8		14	14	13,9	13,9	13,9	13,6	13,3	12,9	12,5	12	11,5	11
GKV2 80-80W-0048H	8,9	-	-	4,8		25,1	25	24,9	24,8	24,8	24,4	24	23,5	23,1	22,5	22	21,3
GKV2 80-80N-0065H	-	11,9	6,9	6,5		34,9	34,8	34,8	34,8	34,8	34,6	34,2	33,5	32,6	31,7	-	-
GKV2 80-80P-0065H	-	11,9	6,9	6,5		28,8	28,6	28,5	28,4	28,3	27,9	27,5	27,1	26,6	26,2	25,7	25,1
GKV2 80-80Q-0065H	-	11,9	6,9	6,5		33,1	33,1	33,1	33,1	33	32,7	32,2	31,7	31,1	30,5	29,9	29,4
GKV2 80-80R-0065H	-	11,9	6,9	6,5		30,9	30,8	30,7	30,7	30,6	30,3	30	29,5	28,9	28,3	27,6	27
GKV2 80-80T-0065H	-	11,9	6,9	6,5		26,7	26,6	26,6	26,6	26,5	26,2	25,9	25,4	24,9	24,3	23,7	23,1
GKV2 80-80W-0065H	-	11,9	6,9	6,5		25,6	25,5	25,5	25,5	25,4	25,1	24,7	24,2	23,6	23	22,4	21,7

Performance

n ≈ 2850 1/min

Model				Q = Flow																			
				m³/h	0	1,4	2,2	2,9	3,2	3,6	7,2	14,4	21,5	28,8	36	54	72	90	108	126	144		
				l/min		23,33	36,66	48,33	53,33	60	120	240	358	480	600	900	1200	1500	1800	2100	2400		
				A	kW	H (m) = Total head																	
GKV2 80-80W-0090H	16,3	9,4	9		25,5	-	-	-	25,2	25,2	24,9	24	22,9	21,6	20,3	16,9	13,5	10,4	7,6	4,9			
GKV2 80-80T-0090H	16,3	9,4	9		26,6	-	-	-	26,3	26,3	25,9	25,1	24	22,9	21,6	18	14,5	11,2	8,3	-	-		
GKV2 80-80R-0090H	16,3	9,4	9		30,7	-	-	-	30,4	30,4	30,1	29,2	28	26,8	25,4	21,6	17,7	13,9	10,3	-	-		
GKV2 80-80Q-0090H	16,3	9,4	9		33	-	-	-	32,7	32,7	32,3	31,4	30,2	28,8	27,2	23,1	19	15	-	-	-		
GKV2 80-80P-0090H	16,3	9,4	9		28,7	-	-	-	28,4	28,4	28,1	27,2	26,2	25	23,6	19,9	16	12,5	9,4	-	-		
GKV2 80-80N-0090H	16,3	9,4	9		34,9	-	-	-	34,8	34,7	34,5	33,5	32	30,4	28,9	25,6	-	-	-	-	-		
GKV2 80-80R-0125L	22,4	12,9	12,5		33,3	33,2	33,1	33,1	-	33	32,7	31,9	31	29,9	28,7	25,3	21,5	17,8	14,3	11,2	8,4		
GKV2 80-80P-0165L	31	17,9	16,5		41,8	41,7	41,7	41,6	-	41,6	41,5	40,7	39,6	38,3	36,9	33,2	29,3	25,5	21,8	18,1	14,1		
GKV2 80-80L-0165L	31	17,9	16,5		47,7	47,6	47,6	47,6	-	47,5	47,3	46,5	45,5	44,3	43	39,7	36,5	33,1	-	-	-		
GKV2 80-80G-0165L	31	17,9	16,5		55,2	55,2	55,1	55,1	-	55,1	54,9	54,2	53,1	51,7	50,3	46,6	-	-	-	-	-		
GKV2 80-80D-0165L	31	17,9	16,5		61,5	61,4	61,4	61,3	-	61,2	60,8	59,8	58,2	56,1	53,7	-	-	-	-	-	-		
GKV2 80-80A-0165L	31	17,9	16,5		67,7	67,6	67,5	67,4	-	67,3	66,7	65,2	-	-	-	-	-	-	-	-	-		

n ≈ 950 1/min

			Q = Flow												
			m³/h	0	7,2	14,4	21,5	28,8	36	54	72	90	108	126	144
Model	400V	P2	l/min		120	240	358	480	600	900	1200	1500	1800	2100	2400
	A	kW	H (m) = Total head												
GKV6 100-100E-0040L	9	4		7,3	7,1	6,9	6,6	6,3	6	5,2	4,2	3,1	1,7	-	-
GKV6 100-100C-0040L	9	4		8,3	8,1	7,9	7,7	7,4	7,2	6,4	5,5	4,5	3,3	2,1	0,7
GKV6 100-100A-0040L	9	4		10,1	9,8	9,5	9,2	8,9	8,6	7,9	7,2	6,4	5,4	4,3	2,9

n ≈ 1450 1/min

Model					Q = Flow																	
					m³/h	0	7,2	14,4	21,5	28,8	36	45	54	63	72	81	90	99	108	117	126	
					l/min	0	120	240	358	480	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	
400V			690V	P2	H (m) = Total head																	
A			kW																			
GKV4 100-100R-0021H	5,0	-	-	2,1		7,4	7,2	7	6,8	6,5	6,1	5,7	5,1	4,5	3,8	3,1	2,4	-	-	-	-	
GKV4 100-100N-0029H	6,1	-	-	2,9		8,8	8,6	8,3	8,1	7,8	7,5	7,1	6,6	6	5,3	4,6	3,8	2,9	2	-	-	
GKV4 100-100L-0037H	7,7	-	-	3,7		10	9,7	9,4	9,2	8,9	8,5	8,1	7,5	6,9	6,3	5,7	5	4,4	3,8	3,1	2,3	
GKV4 100-100F-0046H	9,5	-	-	4,6		11,6	11,5	11,3	11,1	10,7	10,4	9,9	9,3	8,8	8,3	7,7	7,1	6,5	5,9	5,2	-	
GKV4 100-100A-0058H	-	11,9	6,9	5,8		15	14,5	14,1	13,8	13,4	13,1	12,6	12,2	11,8	11,3	10,8	10,3	9,7	9,1	-	-	

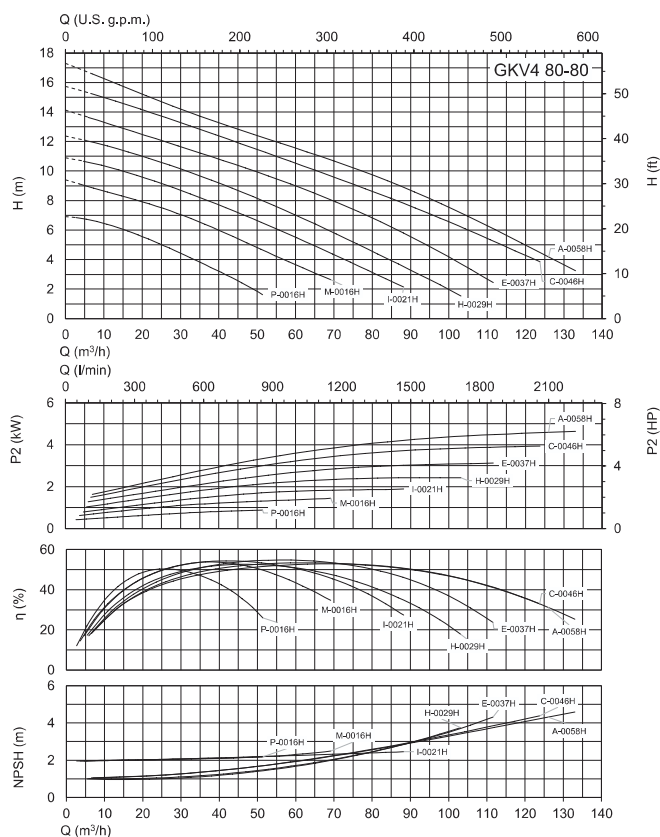
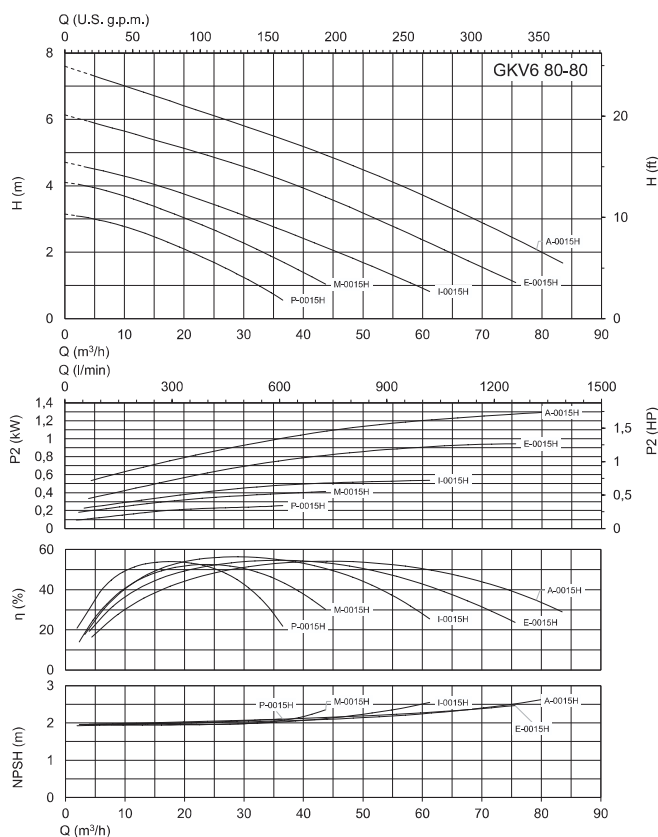
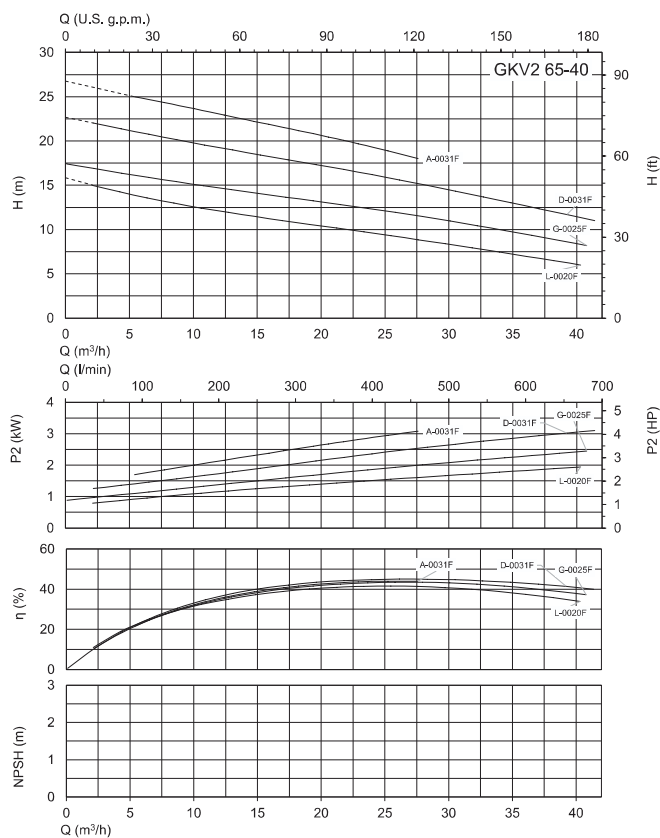
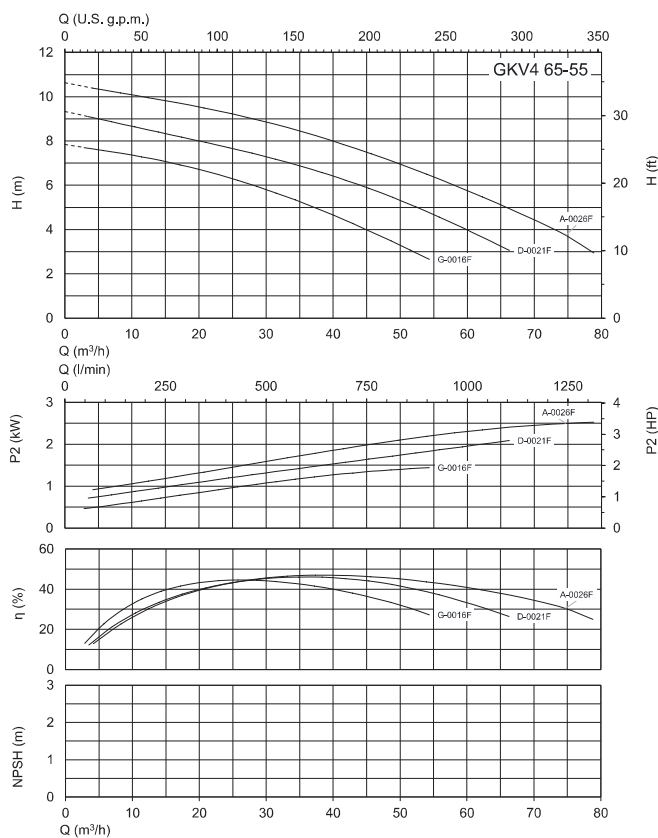
n ≈ 1450 1/min

				Q = Flow													
				m³/h	0	10,8	18	36	54	72	90	108	126	144	162	180	216
Model	400V	690V	P2	l/min		180	300	600	900	1200	1500	1800	2100	2400	2700	3000	3600
	A		kW	H (m) = Total head													
GKV4 100-100E-0075L	15,3	8,8	7,5		16,6	16,4	16,2	15,2	14	12,7	11,2	9,7	8,2	6,7	5,2	-	-
GKV4 100-100C-0105L	20	11,5	10,5		18,8	18,5	18,2	17,2	16,1	14,9	13,6	12,2	10,8	9,4	7,8	6,1	-
GKV4 100-100A-0125L	24	13,9	12,5		23	22,4	22,1	21,1	20	18,9	17,7	16,5	15,3	13,9	12,6	11,1	7,9

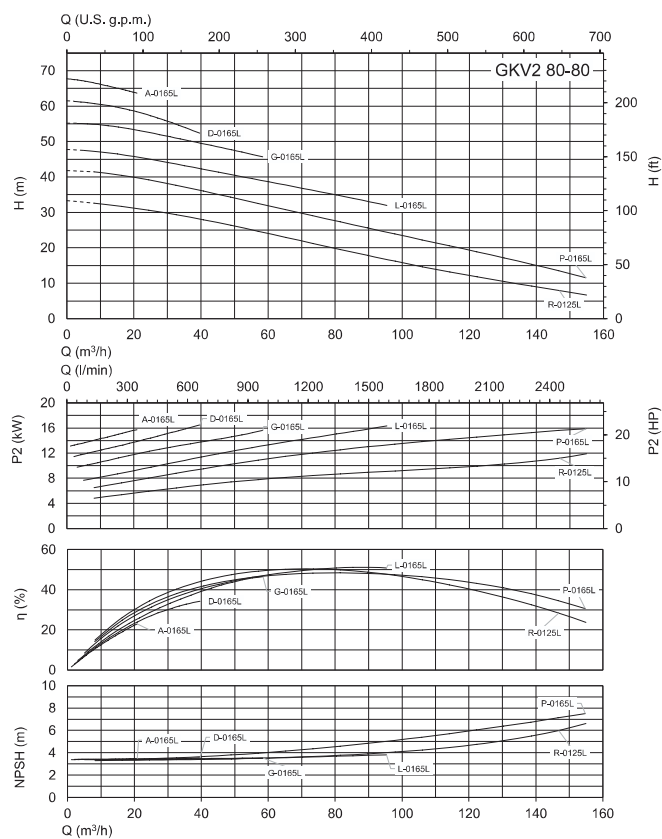
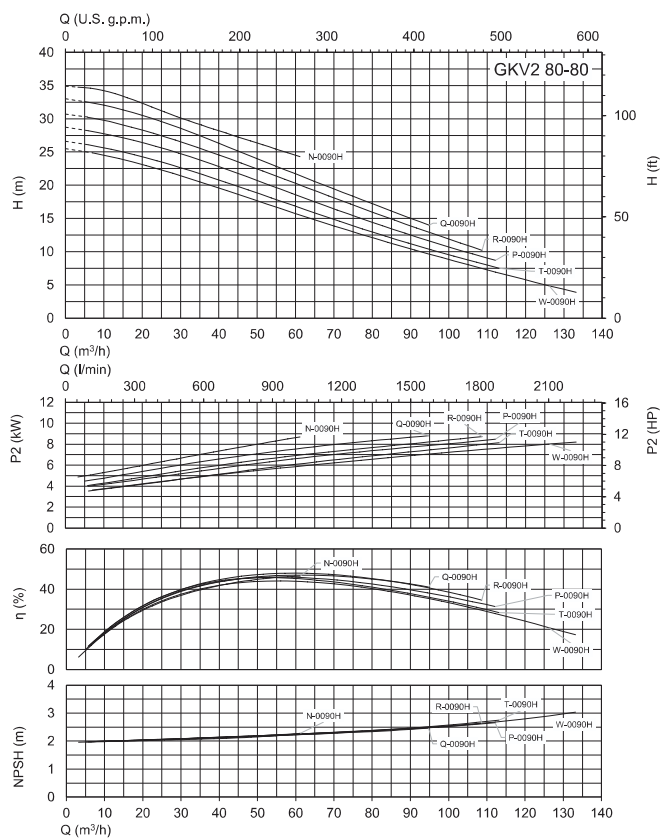
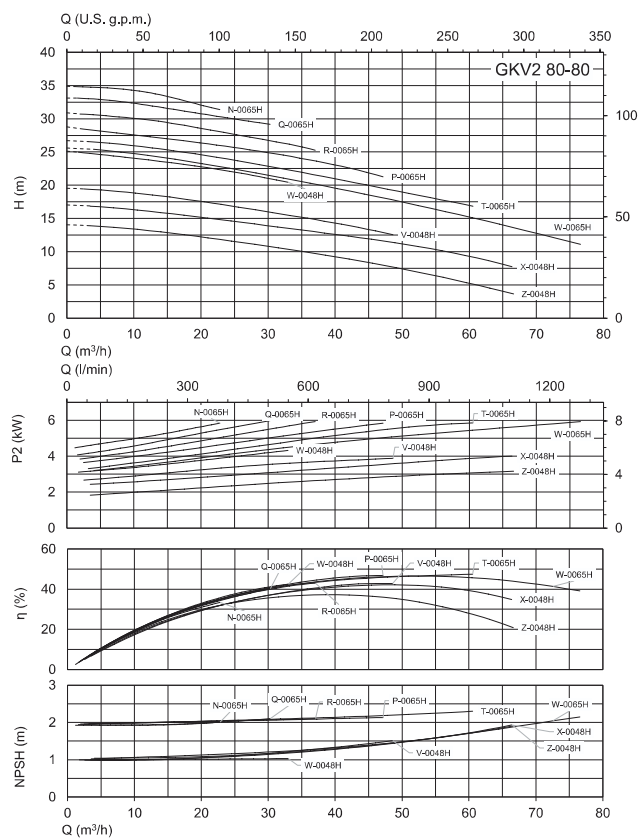
n ≈ 2850 1/min

				Q = Flow																
				m³/h	0	7,2	14,4	21,5	28,8	36	54	72	90	108	126	144	162	180	198	216
Model	400V	690V	P2	l/min		120	240	358	480	600	900	1200	1500	1800	2100	2400	2700	3000	3300	3600
	A		kW	H (m) = Total head																
GKV2 100-80L-0260N	44,6	25,7	26		29,2	28,8	28,3	27,8	27,3	26,7	25,2	23,5	21,7	19,7	17,6	15,3	12,9	10,4	7,9	-
GKV2 100-80I-0260N	44,6	25,7	26		35,4	35	34,7	34,2	33,8	33,3	31,8	30,2	28,3	26,2	23,9	21,5	19	16,3	-	-
GKV2 100-80H-0350N	57,8	33,4	35		40,6	40,1	39,6	39,1	38,6	38,1	36,8	35,4	33,8	32,1	30,1	27,8	25,4	22,7	19,8	16,8
GKV2 100-80G-0350N	57,8	33,4	35		45,5	45,1	44,6	44,2	43,7	43,2	41,9	40,3	38,5	36,5	34,3	32	29,4	26,7	-	-
GKV2 100-80F-0350N	57,8	33,4	35		49,7	49,3	48,9	48,5	48,1	47,6	46,1	44,3	42,2	40	37,6	34,9	-	-	-	-
GKV2 100-80E-0350N	57,8	33,4	35		53,4	53,1	52,7	52,3	51,9	51,4	50	48,3	46,2	43,9	41,5	-	-	-	-	-
GKV2 100-80D-0350N	57,8	33,4	35		56,3	56	55,7	55,3	54,9	54,4	52,9	51,1	49	46,6	-	-	-	-	-	-

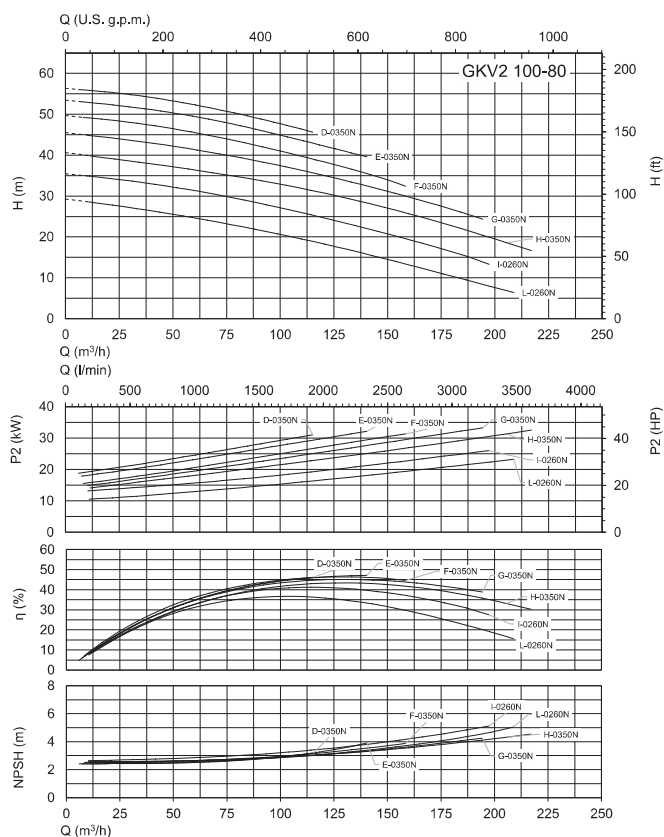
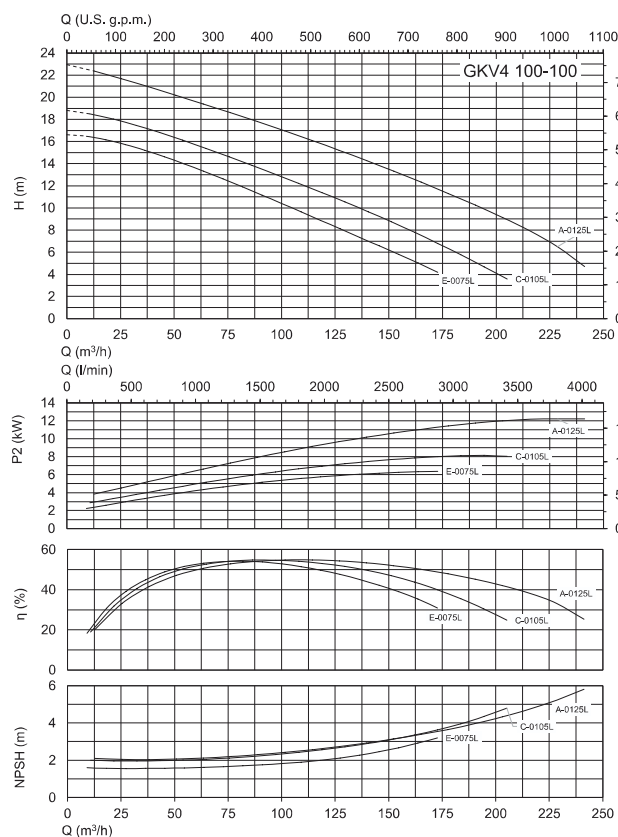
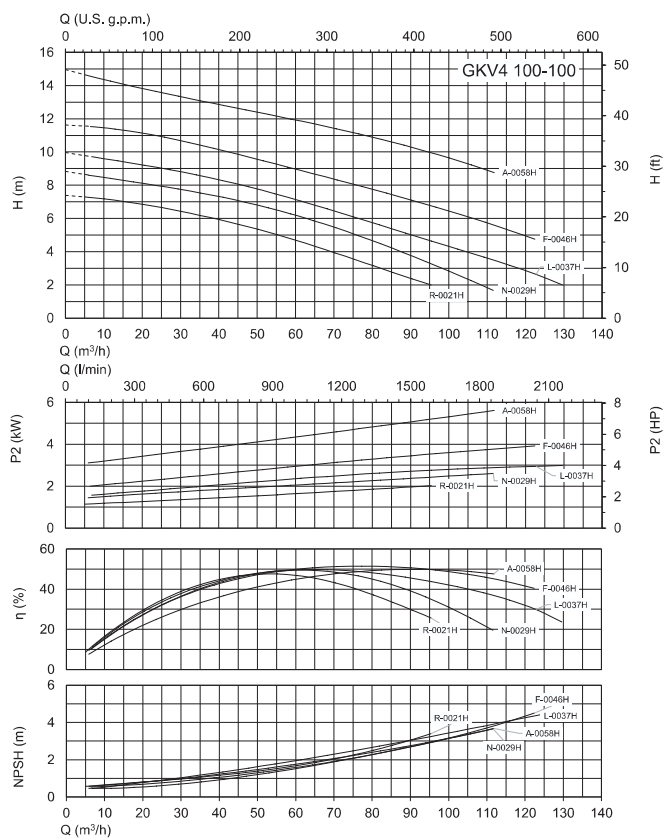
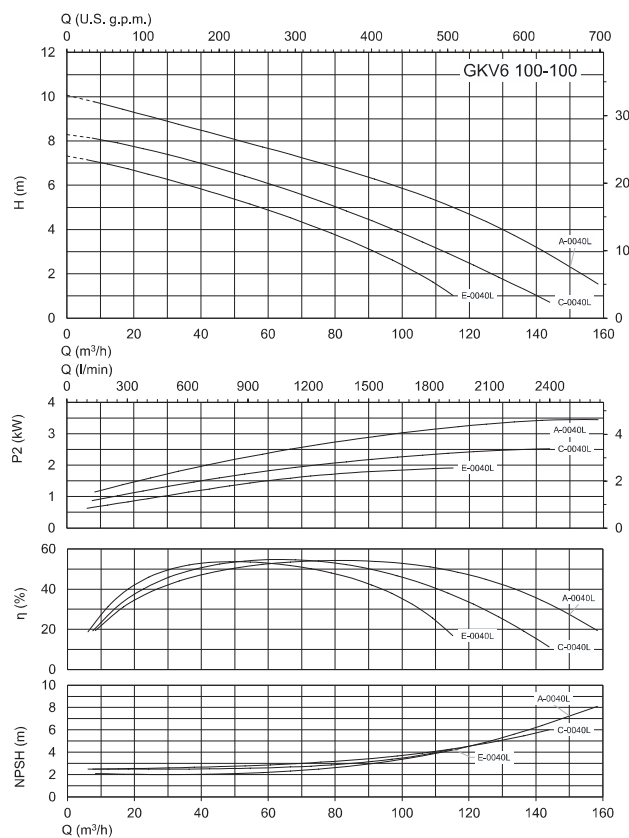
Characteristic curves



Characteristic curves



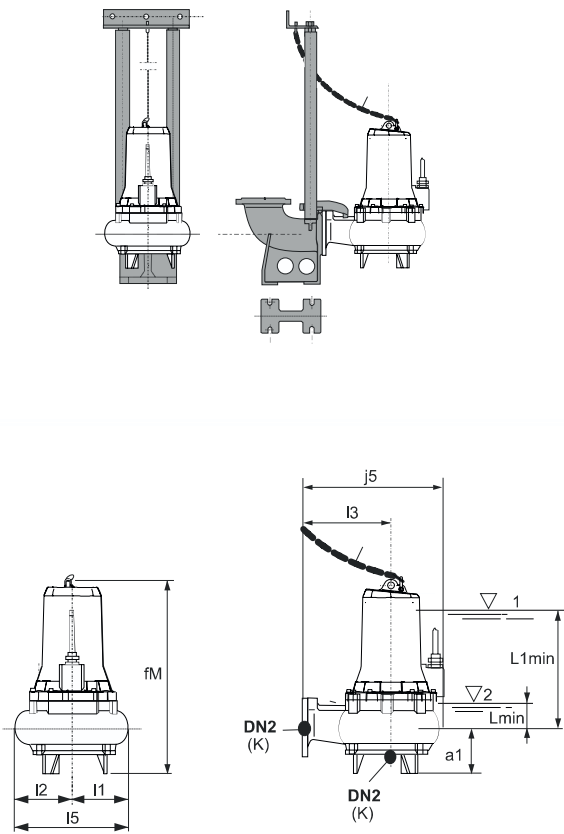
Characteristic curves



Dimensions and weight

Duck foot coupling

SAK



TYPE	DN2	mm										Kg
		a1	fM	j5	K	I1	I2	I3	I5	L1min	Lmin	Weight
GKV4 65-55G-0016F	65	140	565.6	373	16	148	148	225	296	255	90	63
GKV4 65-55D-0021F	65	140	565.6	373	16	148	148	225	296	255	90	63
GKV4 65-55A-0026F	65	140	565.6	373	16	148	148	225	296	255	90	66
GKV2 65-40L-0020F	65	107.5	529.6	363	16	113	113	225	226	282.5	92.5	54
GKV2 65-40G-0025F	65	107.5	529.6	370	16	113	113	225	226	282.5	92.5	56
GKV2 65-40A-0031F	65	107.5	533.6	370	16	113	113	225	226	282.5	92.5	61
GKV2 65-40D-0031F	65	107.5	533.6	370	16	113	113	225	226	282.5	92.5	60

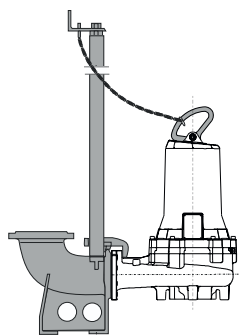
L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

Lmin = Minimum submergence depth for motor without casing with intermittent duty S3 (NPSHR permitting)

Dimensions and weight

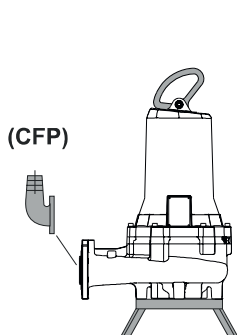
Duck foot coupling

SAK



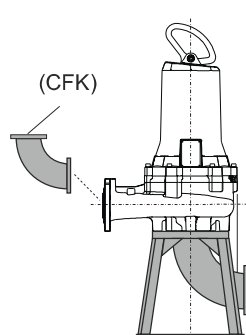
Submersible pump rest

APK



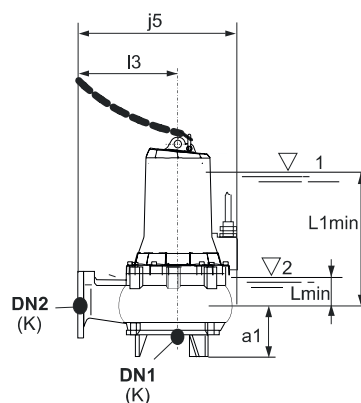
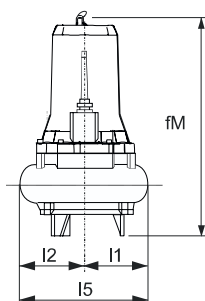
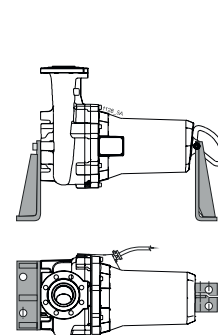
Dry chamber pump rest

APCK



Dry chamber pump support

SOK



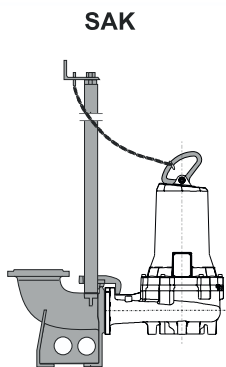
TYPE			mm										Kg Weight
	DN1	DN2	a1	fM	j5	K	I1	I2	I3	I5	L1min	Lmin	
GKV6 80-80P-0015H	80	80	92	638.3	392	16	204.5	146	245	350.5	315	97	83.6
GKV6 80-80M-0015H	80	80	92	638.3	392	16	204.5	146	245	350.5	315	97	84.5
GKV6 80-80I-0015H	80	80	92	638.3	392	16	204.5	146	245	350.5	315	97	81.6
GKV6 80-80E-0015H	80	80	92	638.3	392	16	204.5	146	245	350.5	315	97	86.6
GKV6 80-80A-0015H	80	80	92	638.3	392	16	204.5	146	245	350.5	315	97	82.7
GKV4 80-80P-0016H	80	80	92	638.3	392	16	204.5	146	245	350.5	315	97	87.8
GKV4 80-80M-0016H	80	80	92	638.3	392	16	204.5	146	245	350.5	315	97	88.7
GKV4 80-80I-0021H	80	80	92	638.3	392	16	204.5	146	245	350.5	315	97	90.2
GKV4 80-80H-0029H	80	80	92	638.3	392	16	204.5	146	245	350.5	315	97	89
GKV4 80-80E-0037H	80	80	92	707.4	392	16	221	146	245	367	349	97	109.5
GKV4 80-80C-0046H	80	80	92	707.4	392	16	221	146	245	367	349	97	109.7
GKV4 80-80A-0058H	80	80	92	707.4	392	16	221	146	245	367	349	97	109

L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

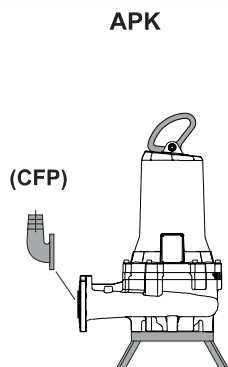
Lmin = Minimum submergence depth for motor without casing with intermittent duty S3 (NPSHR permitting)

Dimensions and weight

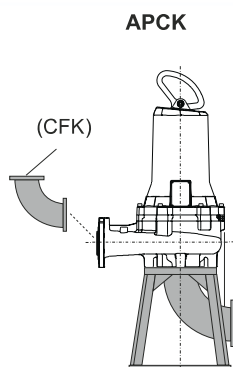
Duck foot coupling



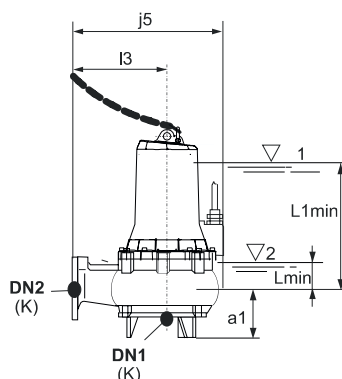
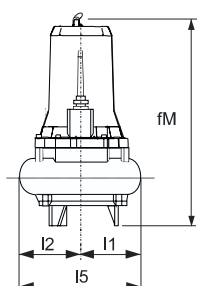
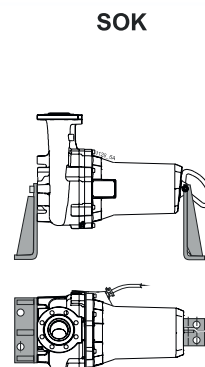
Submersible pump rest



Dry chamber pump rest



Dry chamber pump support



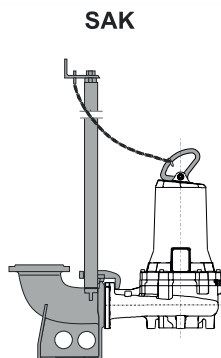
TYPE	DN1		DN2		mm								Kg
	DN1	DN2	a1	fM	j5	K	l1	l2	l3	l5	L1min	Lmin	Weight
GKV2 80-80V-0048H	80	80	92	638.3	392	16	204.5	146	245	350.5	349	97	92.8
GKV2 80-80X-0048H	80	80	92	638.3	392	16	204.5	146	245	350.5	349	97	92.7
GKV2 80-80Z-0048H	80	80	92	638.3	392	16	204.5	146	245	350.5	349	97	92.5
GKV2 80-80N-0065H	80	80	92	707.4	392	16	221	146	245	367	349	97	112.8
GKV2 80-80P-0065H	80	80	92	707.4	392	16	221	146	245	367	349	97	112.4
GKV2 80-80Q-0065H	80	80	92	707.4	392	16	221	146	245	367	349	97	113
GKV2 80-80R-0065H	80	80	92	707.4	392	16	221	146	245	367	349	97	112.6
GKV2 80-80T-0065H	80	80	92	707.4	392	16	221	146	245	367	349	97	108
GKV2 80-80W-0048H	80	80	92	638.3	392	16	204.5	146	245	350.5	349	97	90
GKV2 80-80W-0065H	80	80	92	707.4	392	16	221	146	245	367	349	97	105
GKV2 80-80W-0090H	80	80	92	707.4	392	16	221	146	245	367	349	97	-
GKV2 80-80T-0090H	80	80	92	707.4	392	16	221	146	245	367	349	97	-
GKV2 80-80R-0090H	80	80	92	707.4	392	16	221	146	245	367	349	97	-
GKV2 80-80Q-0090H	80	80	92	707.4	392	16	221	146	245	367	349	97	-
GKV2 80-80P-0090H	80	80	92	707.4	392	16	221	146	245	367	349	97	-
GKV2 80-80N-0090H	80	80	92	707.4	392	16	221	146	245	367	349	97	108
GKV2 80-80R-0125L	80	80	99	775	543	16	225.5	165	370	390.5	446	98	144.2
GKV2 80-80P-0165L	80	80	99	777.4	543	16	236.5	165	370	401.5	446	98	169
GKV2 80-80L-0165L	80	80	99	777.4	543	16	236.5	165	370	401.5	446	98	169.1
GKV2 80-80G-0165L	80	80	99	777.4	543	16	236.5	165	370	401.5	446	98	169.4
GKV2 80-80D-0165L	80	80	99	777.4	543	16	236.5	165	370	401.5	446	98	169.7
GKV2 80-80A-0165L	80	80	99	777.4	543	16	236.5	165	370	401.5	446	98	163

L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

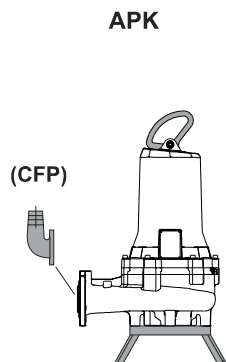
Lmin = Minimum submergence depth for motor without casing with intermittent duty S3 (NPSHR permitting)

Dimensions and weight

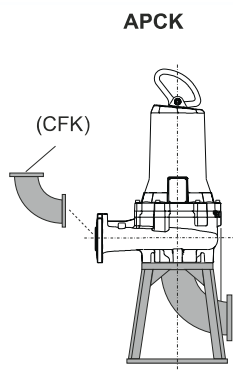
Duck foot coupling



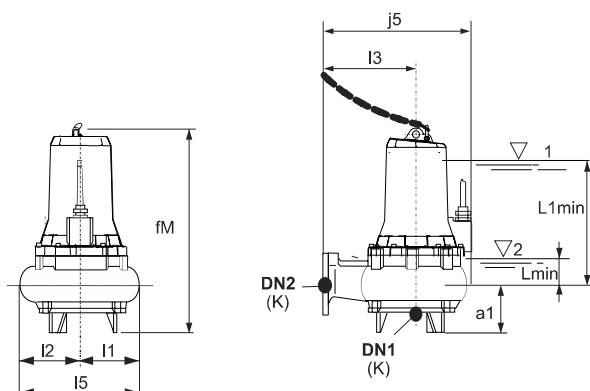
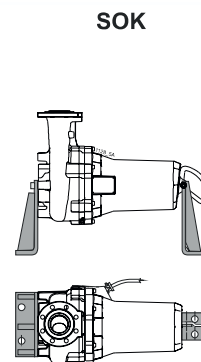
Submersible pump rest



Dry chamber pump rest



Dry chamber pump support



TYPE			mm										Kg
	DN1	DN2	a1	fM	j5	K	I1	I2	I3	I5	L1min	Lmin	
GKV6 100-100E-0040L	100	100	112	798	473	16	225.5	178.5	295	404	468	106	139.9
GKV6 100-100C-0040L	100	100	112	798	473	16	225.5	178.5	295	404	468	106	140.3
GKV6 100-100A-0040L	100	100	112	798	473	16	225.5	178.5	295	404	468	106	140.9
GKV4 100-100R-0021H	100	100	112	668.3	434	16	204.5	171	263	375.5	326	106	96.6
GKV4 100-100N-0029H	100	100	112	668.3	434	16	204.5	171	263	375.5	326	106	96.8
GKV4 100-100L-0037H	100	100	112	737.4	434	16	221	171	263	392	361	106	103
GKV4 100-100F-0046H	100	100	112	737.4	434	16	221	171	263	392	361	106	111.7
GKV4 100-100A-0058H	100	100	112	737.4	434	16	221	171	263	392	361	106	121.2
GKV4 100-100E-0075L	100	100	112	798	473	16	225.5	178.5	295	404	468	106	149
GKV4 100-100C-0105L	100	100	112	800.4	473	16	236	178.5	295	414.5	468	106	172
GKV4 100-100A-0125L	100	100	112	800.4	473	16	236.5	178.5	295	415	468	106	175

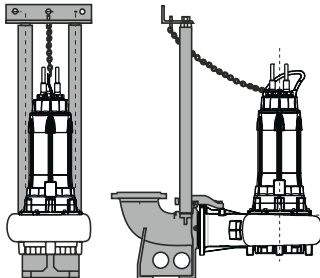
L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

Lmin = Minimum submergence depth for motor without casing with intermittent duty S3 (NPSHR permitting)

Dimensions and weight

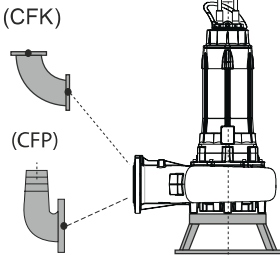
Duck foot coupling

SAK



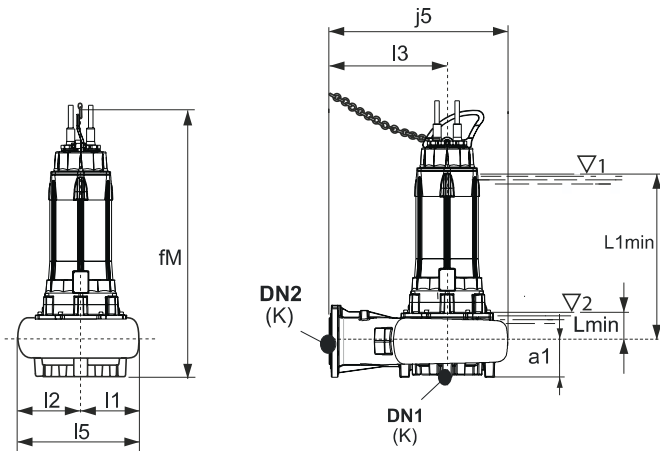
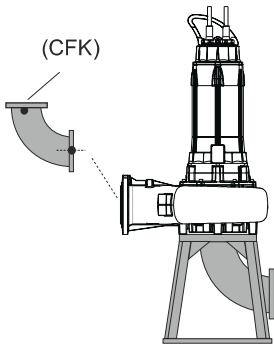
Submersible pump rest

APK



Dry chamber pump rest

APCK



TYPE			mm										Kg Weight
	DN1	DN2	a1	fM	j5	K	l1	l2	l3	l5	L1min	Lmin	
GKV2 100-80L-0260N	100	100	110	1183	553	16	200	200	335	400	788	167	330.7
GKV2 100-80I-0260N	100	100	110	1183	553	16	200	200	335	400	788	167	330.9
GKV2 100-80H-0350N	100	100	110	1183	553	16	200	200	335	400	788	167	354.1
GKV2 100-80G-0350N	100	100	110	1183	553	16	200	200	335	400	788	167	354.2
GKV2 100-80F-0350N	100	100	110	1183	553	16	200	200	335	400	788	167	354.3
GKV2 100-80E-0350N	100	100	110	1183	553	16	200	200	335	400	788	167	349.1
GKV2 100-80D-0350N	100	100	110	1183	553	16	200	200	335	400	788	167	354.6

L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

Lmin = Minimum submergence depth for motor without casing with intermittent duty S3 (NPSHR permitting)