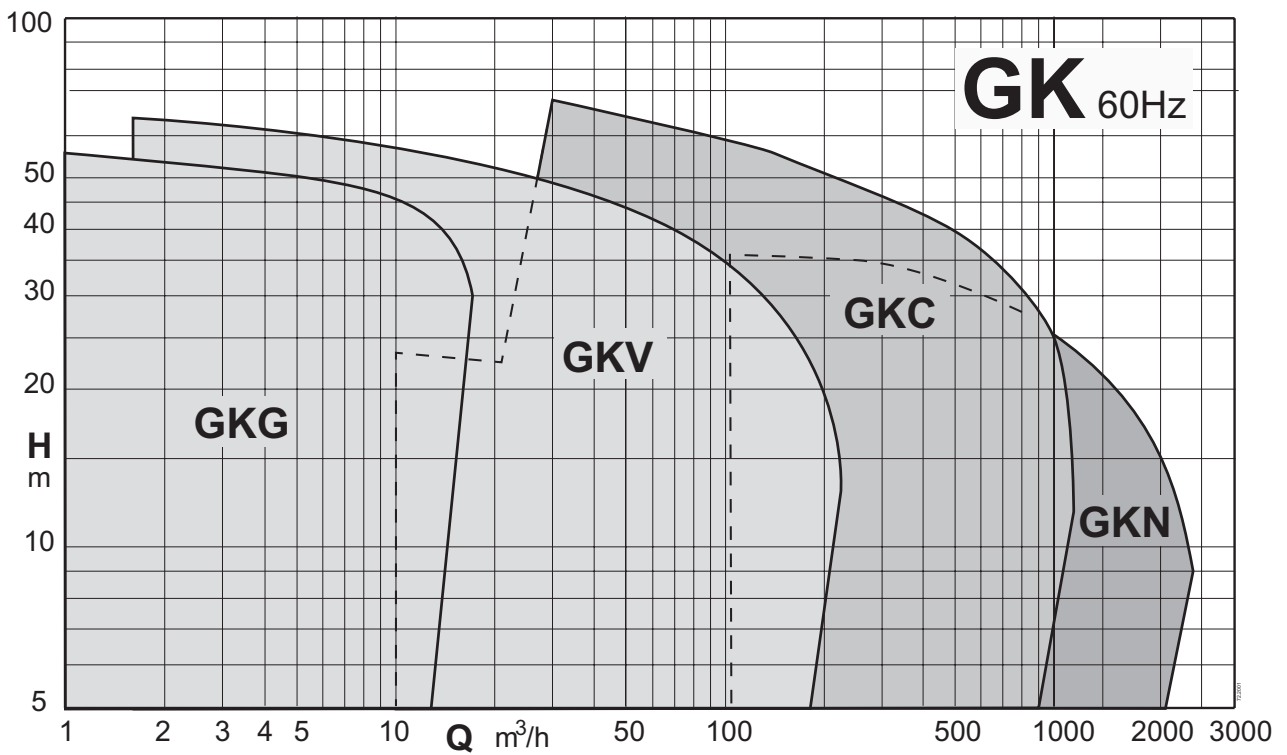
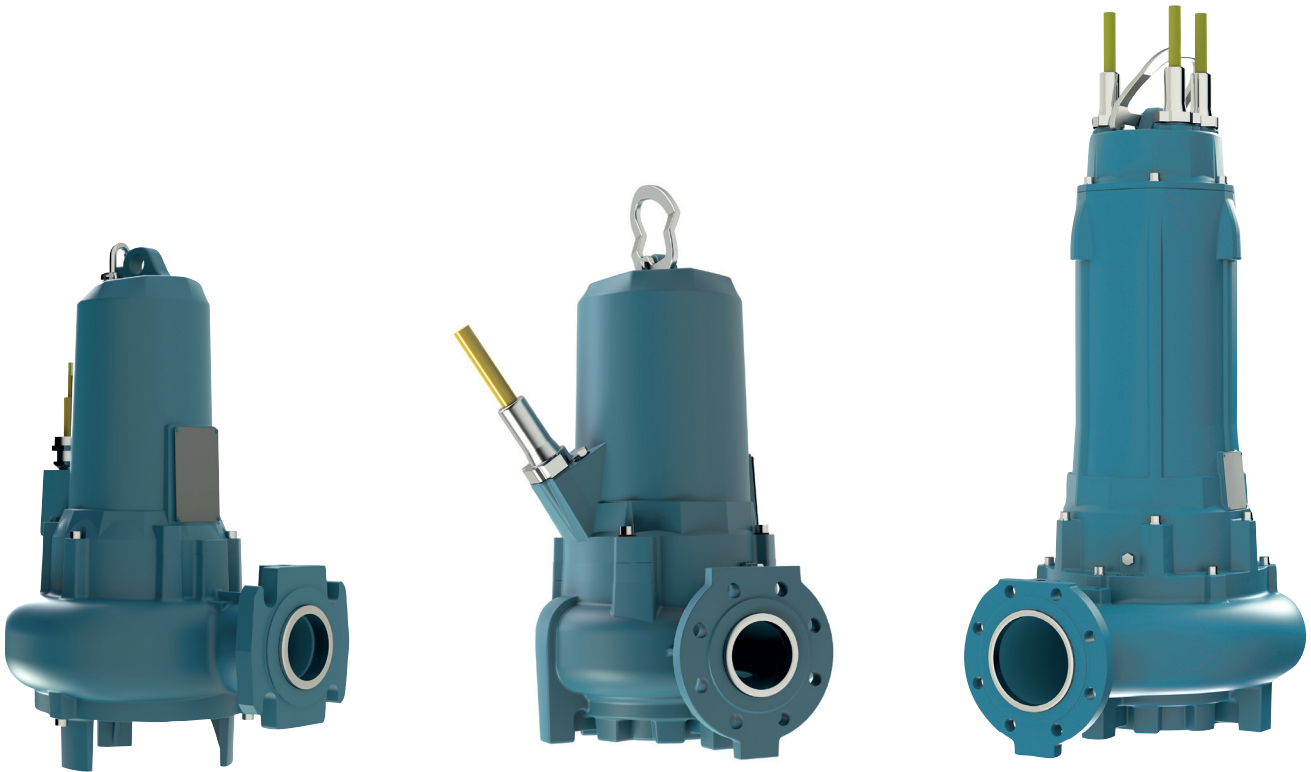


GK 60 Hz



Submersible pumps

The electric submersible sewage pumps have been specially designed to operate submerged in the pumped fluid. The hydraulic section is close coupled to the electric motor making the pumping unit compact, easy to install and reliable in operation. The pumps are essential in depuration systems and are widely used in the sewage handling facilities of industry and local communities. The GK series electric pumps are designed to pump sewage containing gas, compacted solids and long fibrous material. The pumps can be supplied for fixed or submersible installation with base frame. The design has paid particular attention to achieving a good overall efficiency to ensure that the pumps are as cheap as possible to run.

MOTOR
Asynchronous, three-phase with squirrel-cage rotor. The motor is cooled by the fluid in which it is submerged or by a forced cooling system. The motor is separated from the pump by a large chamber partially filled with oil that acts as a lubricant for the mechanical seals and as a heat exchanger. Ensure compliance with the minimum head value given with the dimensions of each individual electric pump in order to ensure that the motor is correctly cooled, the exception being made for motors with forced cooling.

SUPPORTS
The shaft of the motor, on the extension of which the impeller is mounted, is guided by two bearings prelubricated with grease; the lower one supports the axial thrust. The rotating assembly is very compact, with a short overhung pump shaft which reduces bearing loads and ensures reliability and long life.

MECHANICAL SEALS
The double mechanical seal (mounted in series) is a dual protection safeguarding the electric motor. If the seal on the pump side becomes faulty, the motor will not be damaged thanks to the second seal on the motor side. These seals are made of particularly suitable materials able to withstand heavy-duty conditions; the pump side seal is made with abrasionproof materials.

SAFE OPERATION
- The conductivity sensor in the oil chamber warns if there is water and transmits the relative signal to the appropriately preset electric panel. This checks that the mechanical seals on the pump side operate correctly.
- The motor is equipped with thermal probes connected in series in the stator winding. Should over-temperature conditions occur, the probes automatically cut off the power.

Electric pumps of the GK series feature three different hydraulics with the following characteristics.

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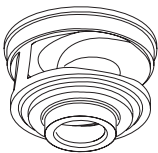


GKV

RETRACTED 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. For water containing a large amount of solids and long fibre, sewage with a high gas and sludge content.

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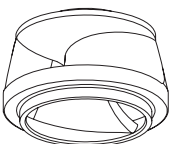


GKC

SINGLE-CHANNEL IMPELLER

It offers reliability against clogging and features wide through sections and a good resistance to wear, low mechanical action on the fluid, high hydraulic efficiency. Particularly suitable for clean water, water containing solid and fibrous solids, cloacal water, sewage and sludge. Low vibrations thanks to the dynamically balanced impeller.

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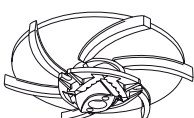


GKN

DOUBLE CHANNEL IMPELLER

It offers reliability against clogging and features wide through sections and a good resistance to wear, low mechanical action on the fluid, high hydraulic efficiency. Particularly suitable for clean water, water containing solid and fibrous solids, cloacal water, sewage and sludge. Low vibrations thanks to the dynamically balanced impeller.

Page 332

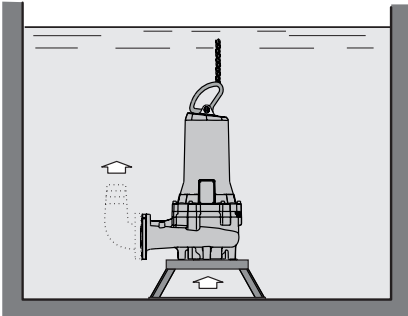


GKG

SHREDDER

Made of very hard stainless steel, the shape of the shredder ensures long-life and fade-free shredding capacity. Waste water disposal from gas stations, community housing and neighbourhoods. No particular tools are required to replace this part.

STANDARD INSTALLATIONS

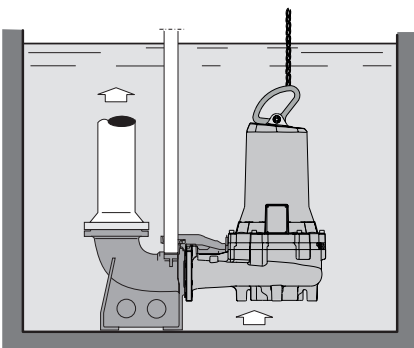


Mobile and emergency immersed installation with support foot

Version only recommended with electric pump installed on a solid and flat support surface and with flexible delivery pipe, particularly suitable for:

- all occasional or exceptional uses
- use on site or where mobility is required
- renovation of existing stations with architectural constraints.

The support frame, flexible delivery pipe bend, chain, etc. are available.



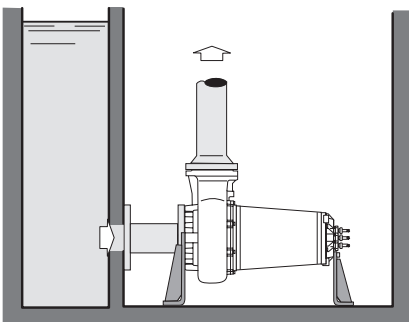
Fixed installation with guide chute and automatic coupling base.

It is the most suitable installation for fixed lifting stations. No special building infrastructures are required and the system is easy to build. The quick coupling allows quick and easy extraction and subsequent repositioning of the electric pump in the tank, allowing ordinary maintenance or exceptional interventions to be performed in complete safety without having to enter the collection tank. The coupling foot, guide pipes, chain, etc. are available for this installation.

IN A DRY CHAMBER

It is the horizontal or vertical installation that requires a dry chamber, adjacent to the liquid collection tank, to house the electric pump unit.

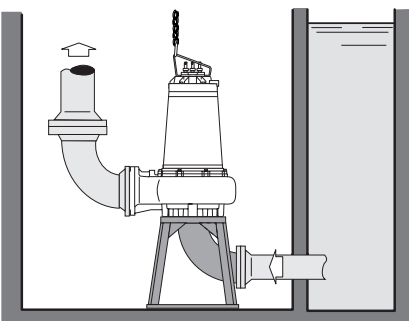
Compared to traditional non-submersible machines, it has maximum operating safety and absence of risks even in the event that the dry chamber is submerged in liquid. Support stands are available.



HORIZONTAL

With outlet vent pointing upwards. The electric pump is attached with support brackets.

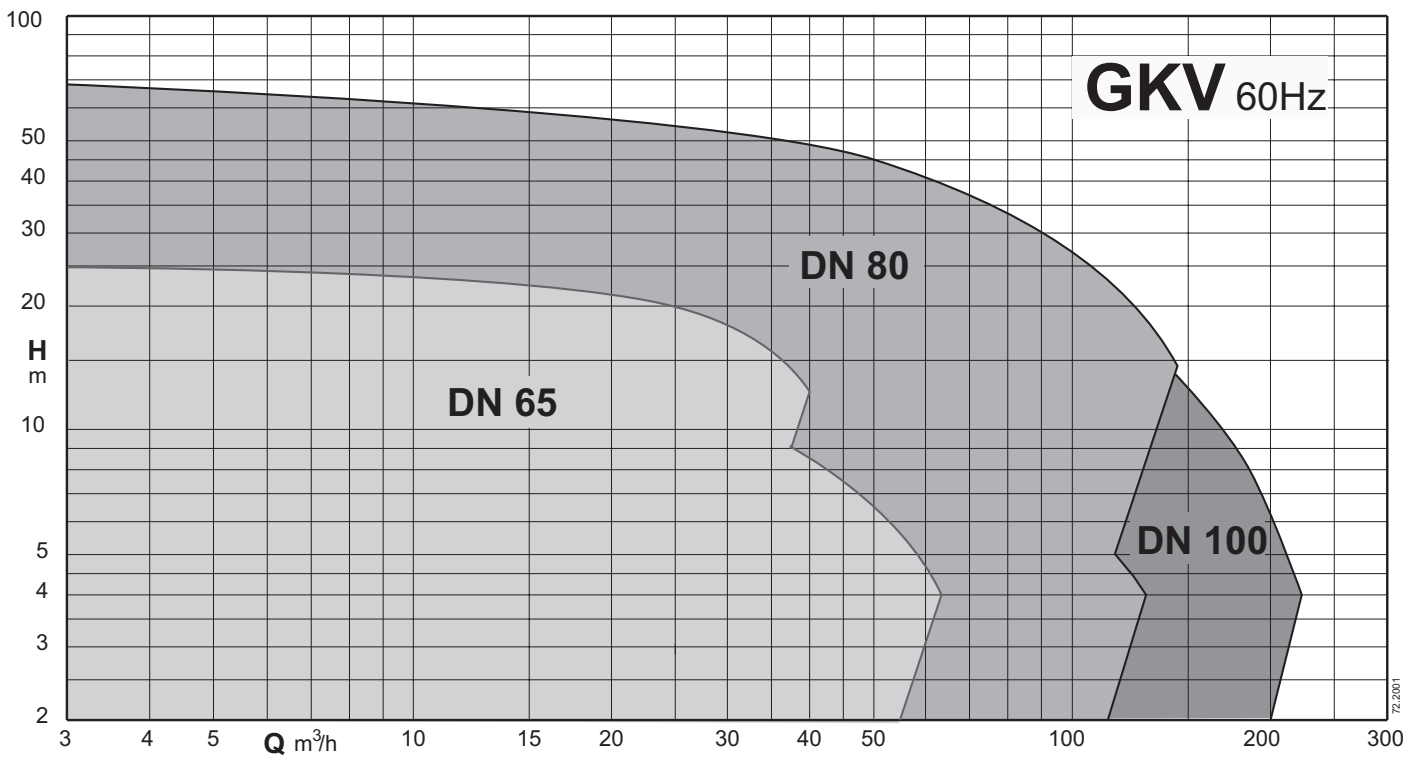
This arrangement requires a limited number of special pieces. The suction is horizontal and the delivery is vertical with a limited overall height.



VERTICAL

This arrangement allows for maximum ease of inspection and maintenance, the suction and delivery are horizontal and it ensures minimum overall dimensions in plan configuration.

GKV 60 Hz



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

Technical data

TYPE	Dry chamber version		Probes		Cable		Class Isolation /Efficiency	Duck foot coupling	Submersible pump rest	Dry chamber pump rest	Dry chamber pump support
	Vertical	Horizontal	thermal	conductivity	NSSHOU-J	H07RN-F					
GKV4 65-55I-0016F-60	-	-	o	o	-	•	H / IE3	SAK 65-65-2	-	-	-
GKV4 65-55F-0021F-60	-	-	o	o	-	•	H / IE3	SAK 65-65-2	-	-	-
GKV4 65-55G-0026F-60	-	-	o	o	-	•	H / IE3	SAK 65-65-2	-	-	-
GKV2 65-40L-0031F-60	-	-	o	o	-	•	H / IE3	SAK 65-65-2	-	-	-
GKV2 65-40G-0031F-60	-	-	o	o	-	•	H / IE3	SAK 65-65-2	-	-	-
GKV6 80-80H-0015H-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV6 80-80E-0018H-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV4 80-80M-0029H-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV4 80-80L-0037H-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV4 80-80H-0046H-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV4 80-80E-0058H-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80S-0165L-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80P-0165L-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV2 80-80L-0165L-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKV6 100-100G-0040L-60	#	#	•	•	•	-	H	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV6 100-100E-0040L-60	#	#	•	•	•	-	H	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV6 100-100D-0040L-60	#	#	•	•	•	-	H	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100T-0037H-60	#	#	•	•	•	-	H	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100P-0046H-60	#	#	•	•	•	-	H	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100L-0058H-60	#	#	•	•	•	-	H	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100G-0058H-60	#	#	•	•	•	-	H	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100I-0075L-60	#	#	•	•	•	-	H	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100G-0105L-60	#	#	•	•	•	-	H	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKV4 100-100E-0125L-60	#	#	•	•	•	-	H	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3

Motor

Induction motor 2,4,6 poles, 60Hz
Three-phase version: 460V ± 10% up to 4.8 kW
460/795V ± 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.

Designation

GKV4 65-55D-0021F-60
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 kW x 10
F · = · Electric motor flange size
60 · = · Frequency 60 Hz

• = 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 ≈ 1750 1/min

		Q = Flow													
		m³/h	0	3,2	3,6	7,2	10,8	14,4	18	21,5	25,2	28,8	32,4	36	54
Model	P2	l/min	0	53,33	60	120	180	240	300	358	420	480	540	600	900
	kW		H (m) = Total head												
GKV4 65-55I-0016F-60	1,6		8,3	8,1	8,1	7,8	7,6	7,3	6,9	6,6	6,2	5,7	5,3	4,8	1,7
GKV4 65-55F-0021F-60	2,1		9,5	9,2	9,2	9	8,9	8,7	8,4	8,1	7,7	7,3	6,8	6,3	3,5
GKV4 65-55G-0026F-60	2,6		11,4	11,2	11,2	11	10,8	10,6	10,3	10	9,7	9,4	9,1	8,7	6,2

n ≈ 3450 1/min

		Q = Flow																	
		m³/h	0	1,8	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	39,6
Model	P2	l/min	0	30	36,66	41,66	48,33	53,33	60	120	180	240	300	358	420	480	540	600	660
	kW		H (m) = Total head																
GKV2 65-40L-0031F-60	3,1		23,2	22,3	22,2	22	21,9	21,7	21,6	20,2	19	17,9	16,9	16	15,1	14,3	13,4	12,5	11,6
GKV2 65-40G-0031F-60	3,1		25,5	25	24,9	24,7	24,6	24,5	24,4	23,3	22,3	21,3	20,4	19,5	18,6	-	-	-	-

n ≈ 1150 1/min

		Q = Flow																
		m³/h	0	7,2	10,8	14,4	18	21,5	25,2	28,8	32,4	36	45	54	63	72	81	90
Model	P2	l/min	0	120	180	240	300	358	420	480	540	600	750	900	1050	1200	1350	1500
	kW		H (m) = Total head															
GKV6 80-80H-0015H-60	1,5		8	7,6	7,4	7,2	7	6,8	6,5	6,3	6	5,7	4,9	4,1	3,2	2,3	1,3	-
GKV6 80-80E-0018H-60	1,8		8,9	8,5	8,3	8,1	7,9	7,7	7,5	7,2	6,9	6,7	5,9	5,2	4,4	3,5	2,6	1,7

n ≈ 1750 1/min

		Q = Flow																
		m³/h	0	7,2	14,4	21,5	28,8	36	45	54	63	72	81	90	99	108	117	126
Model	P2	l/min	0	120	240	358	480	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100
	kW		H (m) = Total head															
GKV4 80-80M-0029H-60	2,9		13,6	13	12,3	11,7	10,9	10,1	9	7,8	6,6	5,4	4,4	-	-	-	-	-
GKV4 80-80L-0037H-60	3,7		15,4	14,8	14,3	13,7	13	12,2	11,1	9,9	8,6	7,3	6	4,7	-	-	-	-
GKV4 80-80H-0046H-60	4,6		18	17,4	16,8	16,2	15,6	14,9	14	13,1	12	10,8	9,5	8,1	6,7	5,3	-	-
GKV4 80-80E-0058H-60	5,8		20,4	19,7	19	18,3	17,6	16,8	15,9	14,9	13,9	12,9	11,8	10,6	9,3	8	6,6	5

n ≈ 3450 1/min

		Q = Flow																
		m³/h	0	1,4	2,2	2,9	3,6	7,2	14,4	21,5	28,8	36	54	72	90	108	126	
Model	P2	l/min	0	23,33	36,66	48,33	60	120	240	358	480	600	900	1200	1500	1800	2100	
	kW		H (m) = Total head															
GKV2 80-80S-0165L-60	16,5		46,3	46,1	46	45,9	45,9	45,5	44,6	43,5	42,3	41	37,3	33	28,6	24,2	20	
GKV2 80-80P-0165L-60	16,5		59,5	59,5	59,5	59,4	59,4	59,3	58,8	58,1	57,1	55,8	-	-	-	-	-	
GKV2 80-80L-0165L-60	16,5		68,9	68,7	68,6	68,5	68,4	67,9	66,9	66	-	-	-	-	-	-	-	

Performance

n ≈ 1150 1/min

		Q = Flow																	
		m³/h	0	10,8	14,4	21,5	28,8	36	45	54	63	72	81	90	99	108	117	126	135
Model	P2	l/min	0	180	240	358	480	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250
	kW		H (m) = Total head																
GKV6 100-100G-0040L-60	4		9,2	9	8,9	8,6	8,3	7,9	7,4	6,9	6,3	5,8	5,2	4,6	4	3,3	2,7	2	1,2
GKV6 100-100E-0040L-60	4		10,6	10,3	10,2	10	9,7	9,4	8,9	8,4	7,9	7,3	6,8	6,2	5,5	4,9	4,3	3,7	3
GKV6 100-100D-0040L-60	4		11,3	10,9	10,7	10,4	10,1	9,8	9,4	9	8,5	8	7,5	7	6,4	5,7	5,1	4,4	3,6

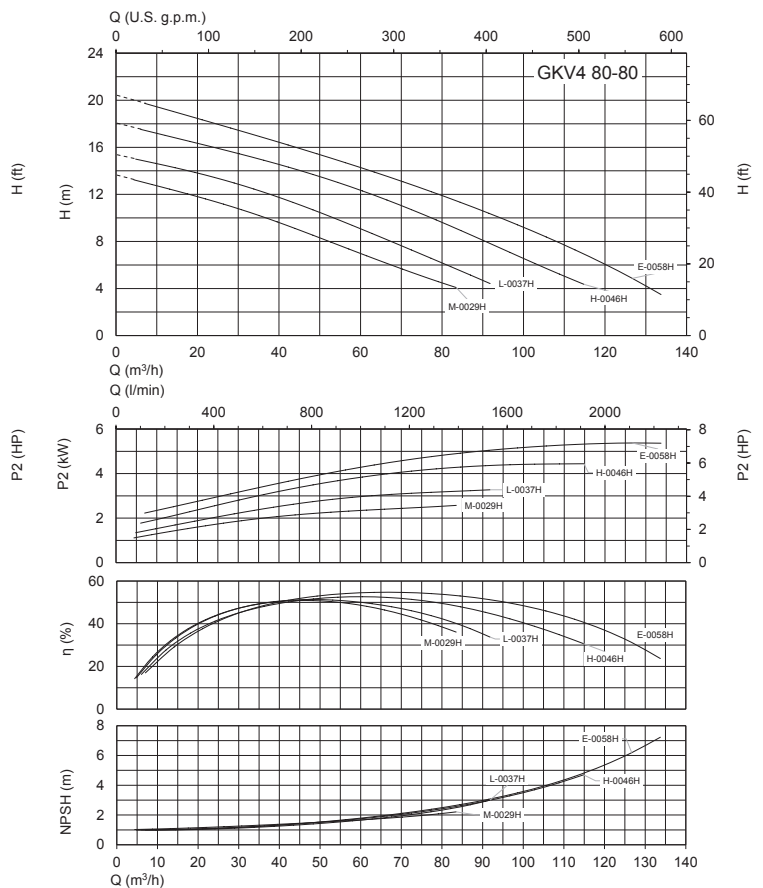
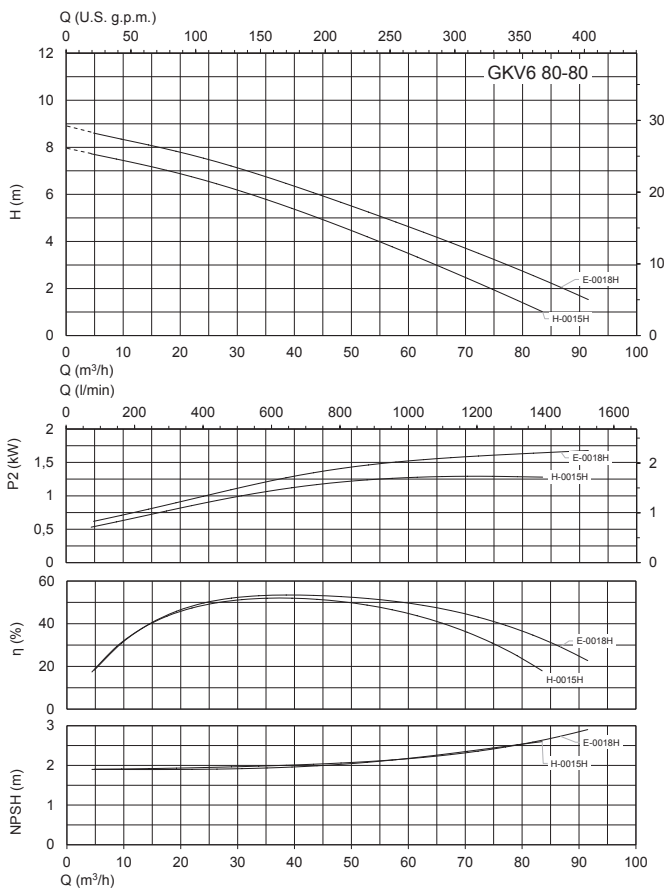
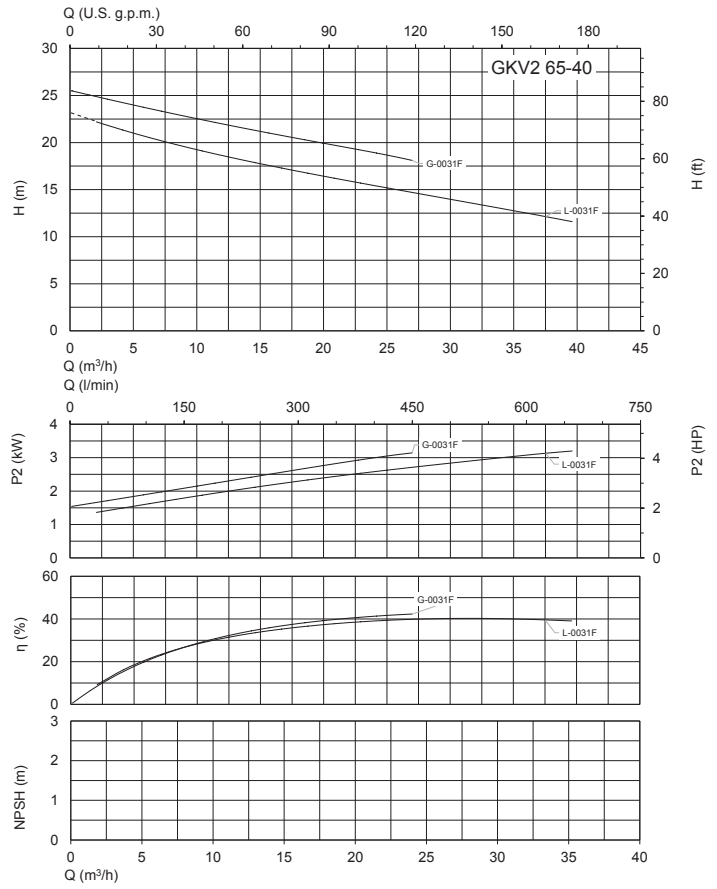
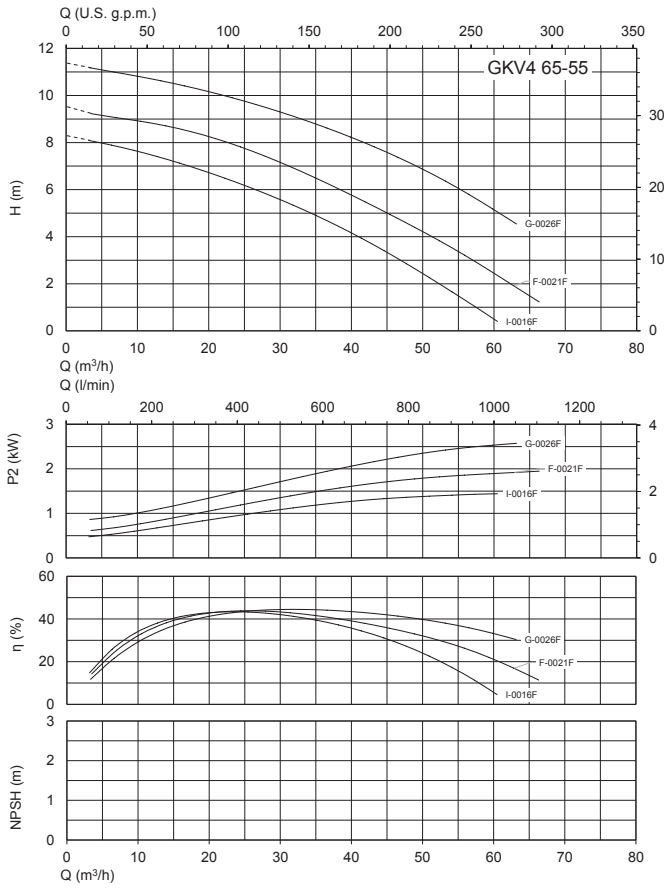
n ≈ 1750 1/min

		Q = Flow													
		m³/h	0	7,2	14,4	21,5	28,8	36	54	72	90	108	126	144	162
Model	P2	l/min	0	120	240	358	480	600	900	1200	1500	1800	2100	2400	2700
	kW		H (m) = Total head												
GKV4 100-100T-0037H-60	3,7		10,4	10,2	9,9	9,7	9,4	9	7,9	6,6	5,1	3,7	-	-	-
GKV4 100-100P-0046H-60	4,6		11,8	11,7	11,5	11,3	11	10,6	9,5	8,2	6,7	4,9	3,1	-	-
GKV4 100-100L-0058H-60	5,8		14,3	14	13,6	13,3	12,9	12,6	11,5	10,3	8,9	7,3	5,9	4,5	-
GKV4 100-100G-0058H-60	5,8		15,9	15,8	15,5	15,2	14,9	14,5	13,4	12,1	10,8	9,3	7,8	6,1	4,4

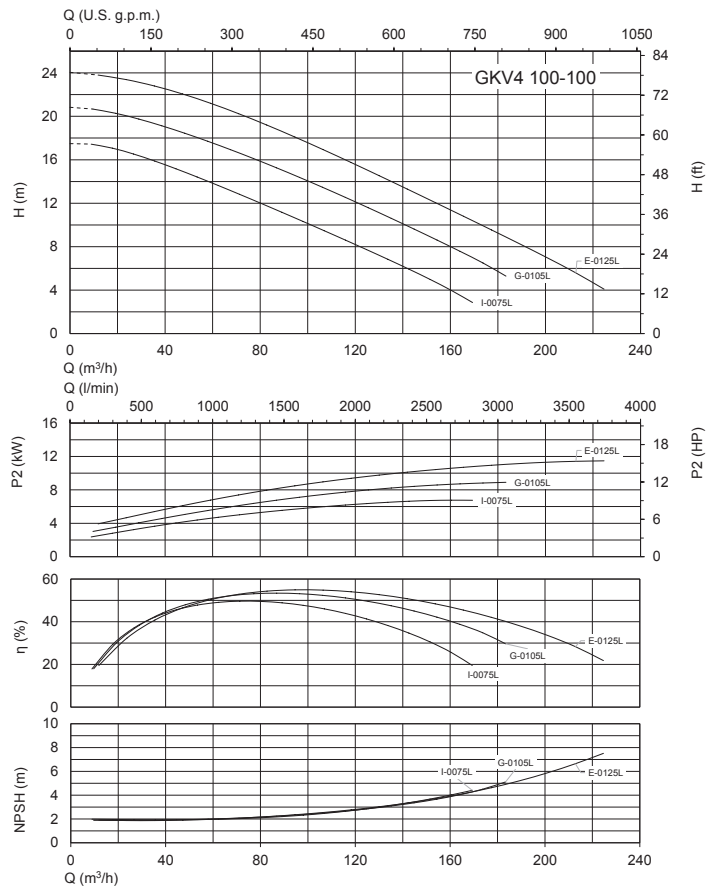
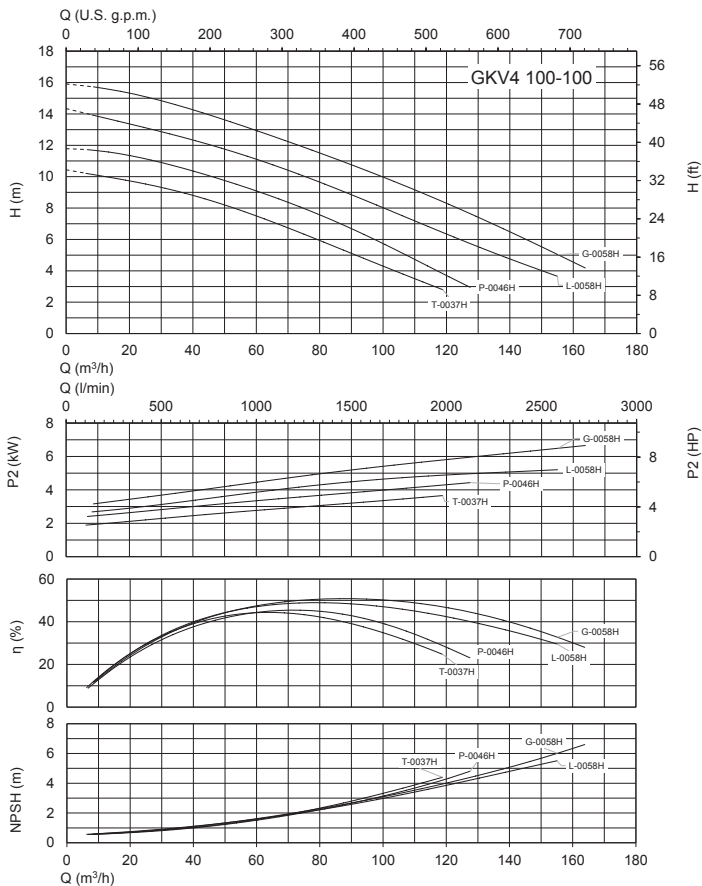
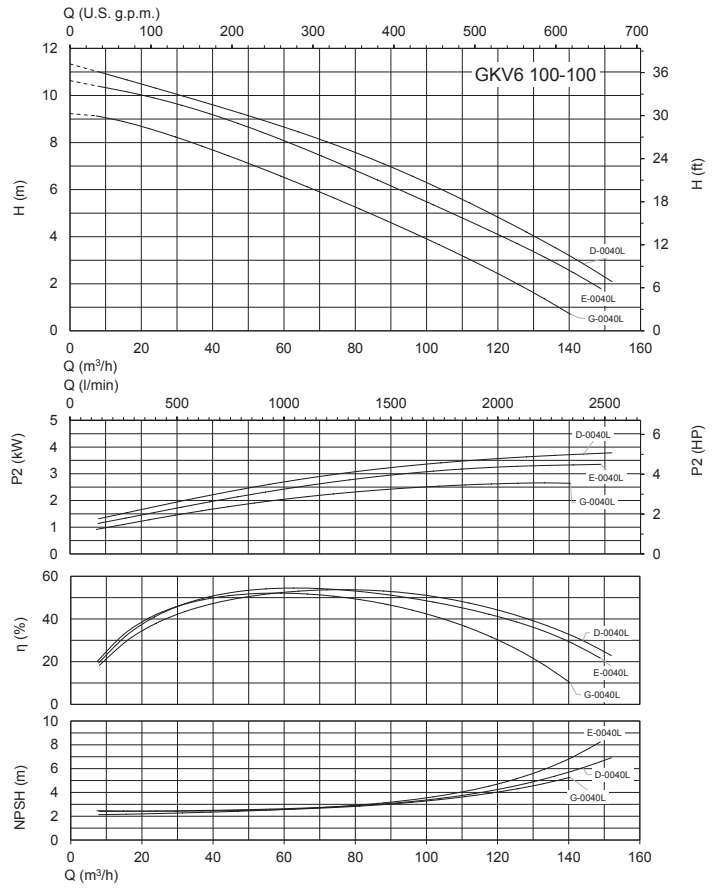
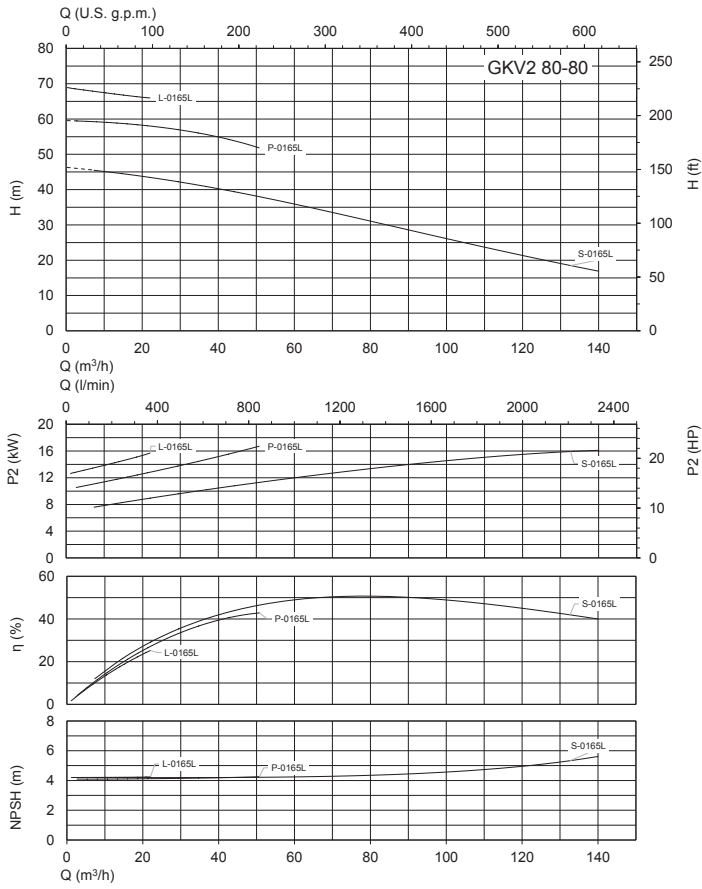
n ≈ 1750 1/min

		Q = Flow																
		m³/h	0	10,8	14,4	21,5	28,8	36	54	72	90	108	126	144	162	180	198	216
Model	P2	l/min	0	180	240	358	480	600	900	1200	1500	1800	2100	2400	2700	3000	3300	3600
	kW		H (m) = Total head															
GKV4 100-100I-0075L-60	7,5		17,5	17,4	17,2	16,8	16,4	15,9	14,4	12,8	11,1	9,4	7,6	5,8	3,8	-	-	-
GKV4 100-100G-0105L-60	10,5		20,8	20,6	20,5	20,1	19,8	19,3	18	16,6	15	13,3	11,5	9,7	7,8	5,7	-	-
GKV4 100-100E-0125L-60	12,5		24,1	23,8	23,7	23,5	23,1	22,8	21,6	20,1	18,5	16,8	15	13,1	11,2	9,3	7,3	5,2

Characteristic curves



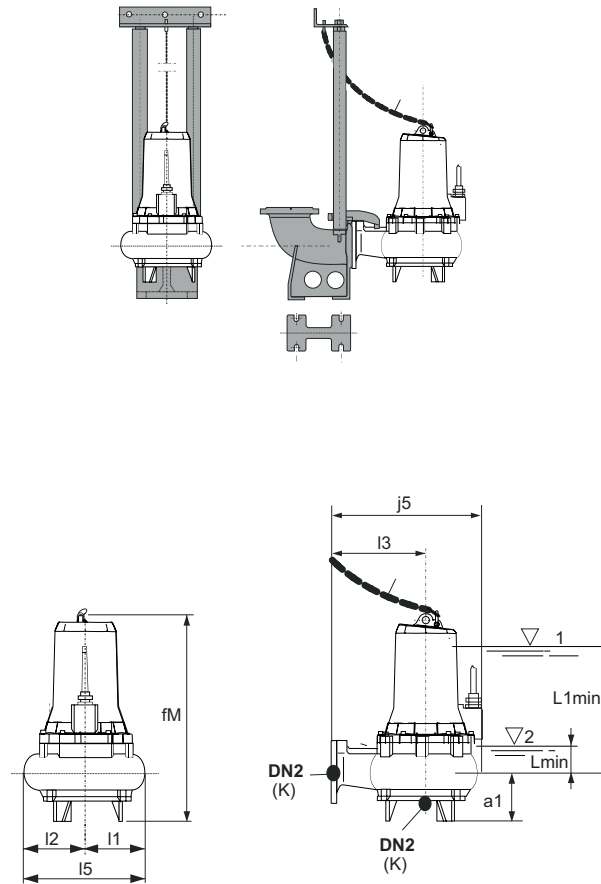
Characteristic curves



Dimensions and weights

Duck foot coupling

SAK



TYPE	mm								Kg Weight	
	DN2	a1	j5	l1	l2	l5	l5	L1min		Lmin
GKV4 65-55I-0016F-60	65	140	373	148	148	225	296	255	90	65
GKV4 65-55F-0021F-60	65	140	373	148	148	225	296	255	90	67
GKV4 65-55G-0026F-60	65	140	373	148	148	225	296	255	90	65
GKV2 65-40L-0031F-60	65	107.5	370	113	113	225	226	282.5	92.5	65
GKV2 65-40G-0031F-60	65	107.5	370	113	113	225	226	282.5	92.5	62

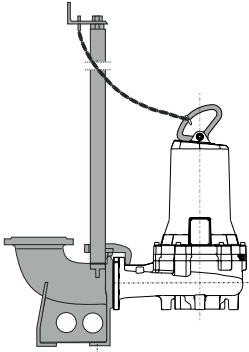
L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

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

Dimensions and weights

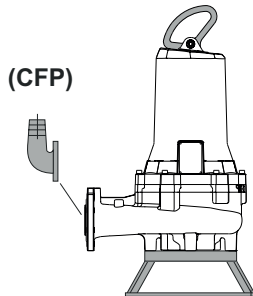
Duck foot coupling

SAK



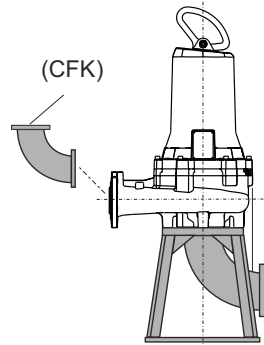
Submersible pump rest

APK



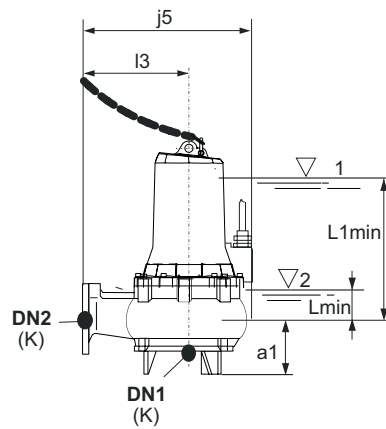
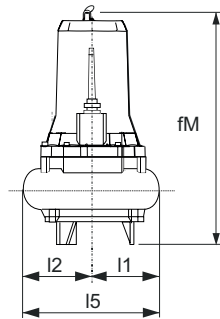
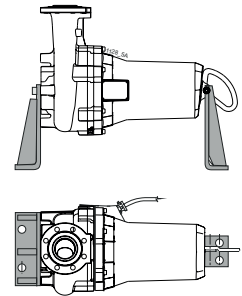
Dry chamber pump rest

APCK



Dry chamber pump support

SOK



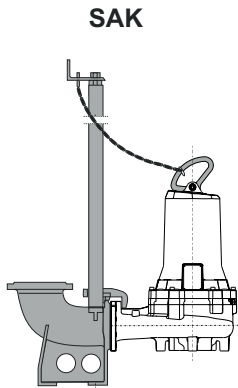
TYPE	mm										Kg Weight
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min	Lmin	
GKV6 80-80H-0015H-60	80	80	92	392	204.5	146	245	350.5	315	97	85.9
GKV6 80-80E-0018H-60	80	80	92	392	221	146	245	367	349	97	108

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

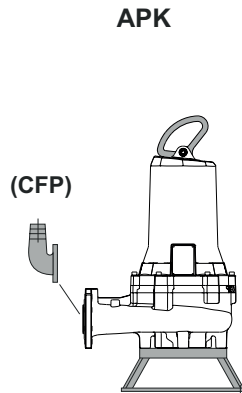
Lmin = Minimum submergence depth for motor without casing with intermittent duty S3 (NPSHR permitting)

Dimensions and weights

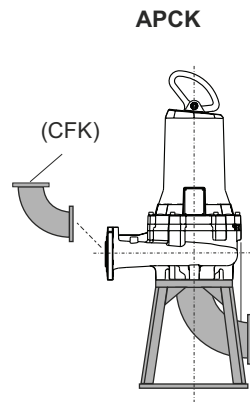
Duck foot coupling



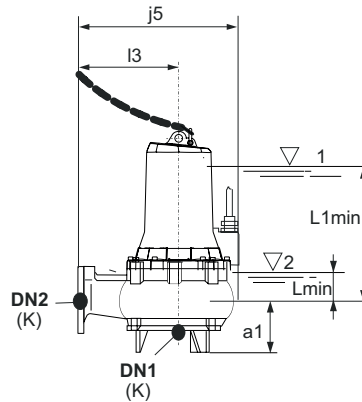
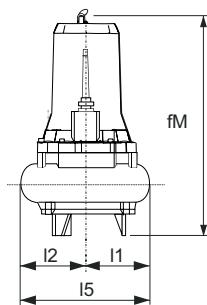
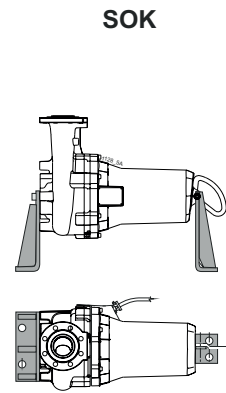
Submersible pump rest



Dry chamber pump rest



Dry chamber pump support



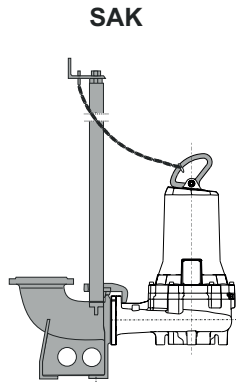
TYPE			mm								Kg	
	DN1	DN2	a1	j5	I1	I2	I5	I5	L1min	Lmin	Weight	
GKV2 80-80S-0165L-60	80	80	99	543	236.5	165	370	401.5	446	98	168.3	
GKV2 80-80P-0165L-60	80	80	99	543	236.5	165	370	401.5	446	98	168.5	
GKV2 80-80L-0165L-60	80	80	99	543	236.5	165	370	401.5	446	98	169.1	
GKV4 80-80M-0029H-60	80	80	92	392	204.5	146	245	350.5	315	97	93.1	
GKV4 80-80L-0037H-60	80	80	92	392	221	146	245	367	349	97	107.6	
GKV4 80-80H-0046H-60	80	80	92	392	221	146	245	367	349	97	109	
GKV4 80-80E-0058H-60	80	80	92	392	221	146	245	367	349	97	118.6	

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

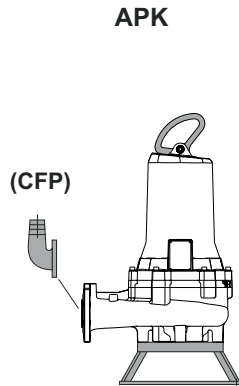
Lmin = Minimum submergence depth for motor without casing with intermittent duty S3 (NPSHR permitting)

Dimensions and weights

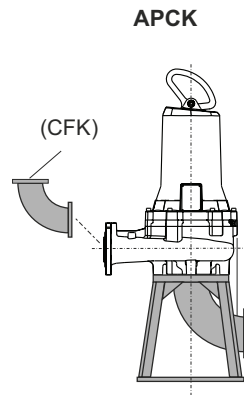
Duck foot coupling



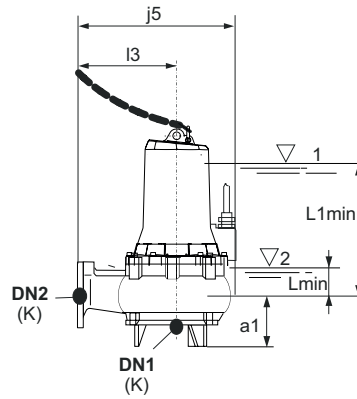
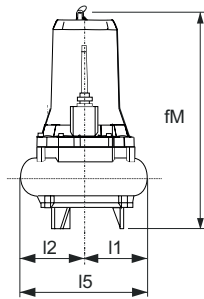
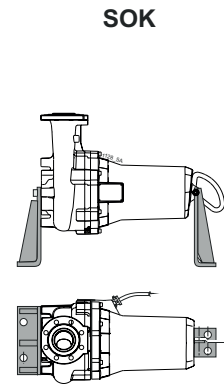
Submersible pump rest



Dry chamber pump rest



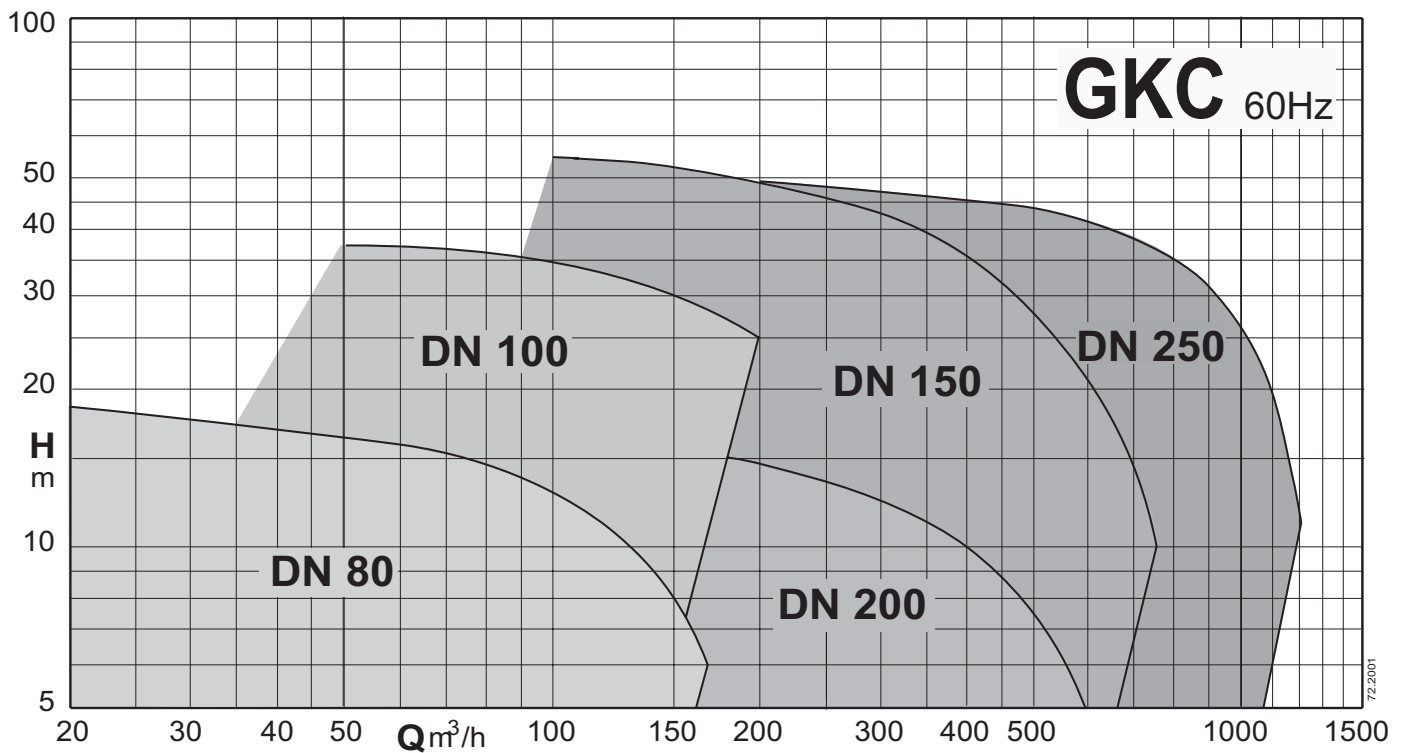
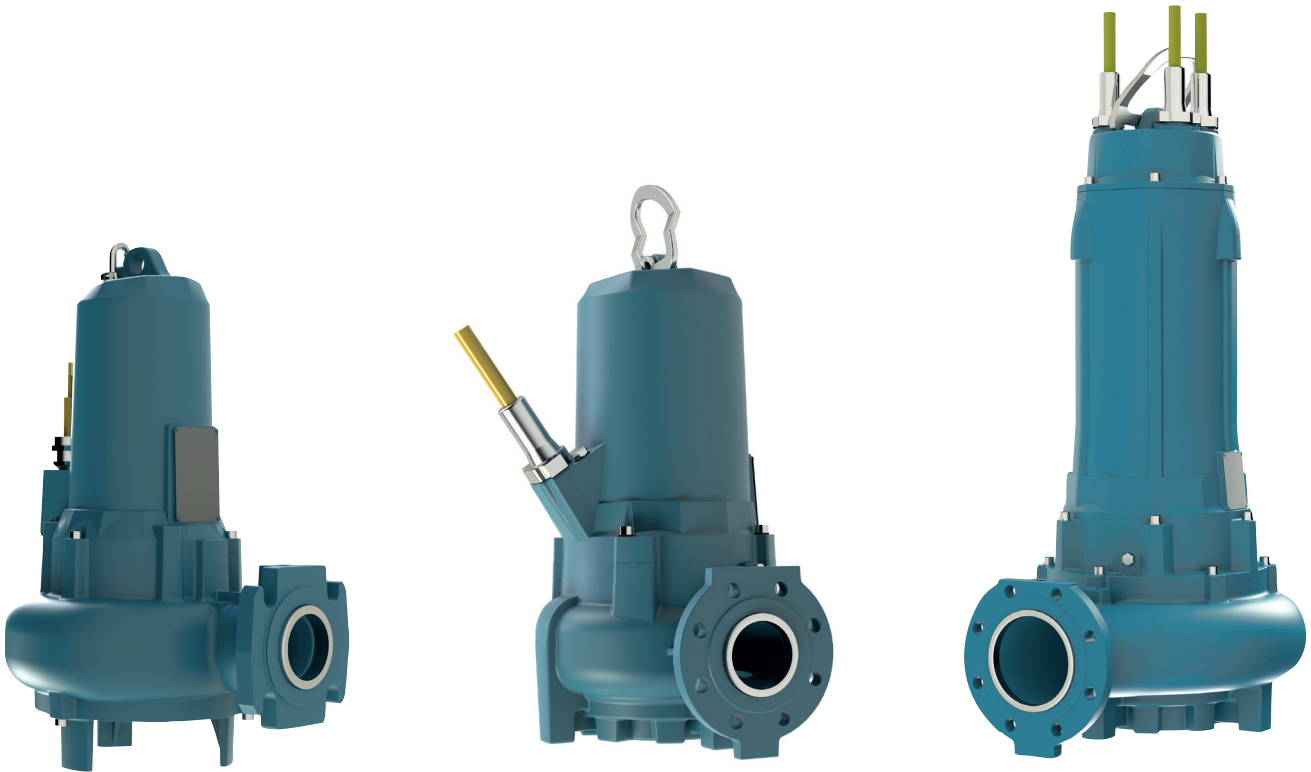
Dry chamber pump support



TYPE	mm										Kg Weight
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min	Lmin	
GKV6 100-100G-0040L-60	100	100	112	473	225.5	178.5	295	404	468	106	139.5
GKV6 100-100E-0040L-60	100	100	112	473	225.5	178.5	295	404	468	106	139.9
GKV6 100-100D-0040L-60	100	100	112	473	225.5	178.5	295	404	468	106	140.3
GKV4 100-100T-0037H-60	100	100	112	434	221	171	263	392	361	106	111.3
GKV4 100-100P-0046H-60	100	100	112	434	221	171	263	392	361	106	111.1
GKV4 100-100L-0058H-60	100	100	112	434	221	171	263	392	361	106	120.4
GKV4 100-100G-0058H-60	100	100	112	434	221	171	263	392	361	106	120.6
GKV4 100-100I-0075L-60	100	100	112	473	225.5	178.5	295	404	468	106	147.8
GKV4 100-100G-0105L-60	100	100	112	473	236	178.5	295	414.5	468	106	171.2
GKV4 100-100E-0125L-60	100	100	112	473	236.5	178.5	295	415	468	106	171.6

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)

GKC 60 Hz



Submersible pumps with single channel impeller

Construction

Submersible pumps with single-channel impeller.
It offers reliability against clogging and features wide through sections and a good resistance to wear, low mechanical action on the fluid, high hydraulic efficiency.
Low vibrations thanks to the dynamically balanced impeller.
Delivery port DN 65-80-100-150-200-250

Applications

Particularly suitable for clean water, water containing solid and fibrous solids, cloacal water, sewage and sludge.
Particularly suitable for the emptying of sewage from cesspits or primary collection tanks or industrial waste water.
Solid passage from 40 to 163 mm.

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 / EN-GJL450 UNI-EN 1561-11
Shaft: stainless steel X20Cr13 (AISI420)
Mechanical seal pumps with insulation class H
- motor side: graphite/ceramic
- pump side: silicon/ceramic carbide
Mechanical seal pumps with insulation class F
- motor side: stainless steel/graphite
- pump side: Silicon carbide/silicon carbide

Motor

Induction motor 2,4,6,8 poles, 60Hz
Three-phase version: 460V ± 10%, up to 4,8 kW
460/795V ± 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.

Designation

GKC4 100-80A-0058R-60
GK = Series
C = Single-channel impeller
4 = Number of poles
100 = Delivery port diameter in mm
80 = Free passage in mm
A = Impeller trim
0058 = Motor size kW x 10
R = With cooling jacket
60 = Frequency 60 Hz

Technical data

TYPE	Dry chamber version		Probes		Cable		Class	Duck foot coupling	Submersible pump rest	Dry chamber pump rest	Dry chamber pump support
	Vertical	Horizontal	thermal	conductivity	NSSHOU-J	H07RN-F	Isolation /Efficiency				
GKC6 80-75G-0015H-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKC6 80-75D-0015H-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKC6 80-75A-0018H-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKC4 80-75G-0029H-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKC4 80-75D-0037H-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 100	APCK 100	SOK100/N3
GKC4 80-75C-0046H-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 100	APCK 100	SOK100/N3
GKC4 80-75A-0058H-60	#	#	•	•	•	-	H / IE3	SAK 80-80-2	APK 80	APCK 80	SOK80/N3
GKC6 100-80L-0018H-60	#	#	•	•	•	-	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKC6 100-80G-0018H-60	#	#	•	•	•	-	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKC4 100-80L-0058H-60	#	#	•	•	•	-	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKC4 100-80G-0058H-60	#	#	•	•	•	-	H / IE3	SAK 100-100-2A	APK 100	APCK 100	SOK100/N3
GKC4 100-100G-0230N-60	#	-	•	•	•	-	H / IE3	SAK 100-100-2	APK 150	APCK 150A	-
GKC4 100-100L-0230N-60	#	-	•	•	•	-	H / IE3	SAK 100-100-2	APK 150	APCK 150A	-

• = 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

Technical data

TYPE	Dry chamber version		Probes		Cable		Class Isolation	Duck foot coupling	Submersible pump rest	Dry chamber pump rest	Dry chamber pump support
	Vertical	Horizontal	thermal	conductivity	NSSHOU-J	H07RN-F					
GKC6 150-100G-0040L-60	#	#	•	•	•	–	H	SAK 150-150-2	APK 150	APCK 150A	SOK150/N3
GKC6 150-100D-0040L-60	#	#	•	•	•	–	H	SAK 150-150-2	APK 150	APCK 150A	SOK150/N3
GKC4 150-100D-0075L-60	#	#	•	•	•	–	H	SAK 150-150-3	APK 150	APCK 150A	SOK150/N3
GKC4 150-100A-0105L-60	#	#	•	•	•	–	H	SAK 150-150-4	APK 150	APCK 150A	SOK150/N3
GKC4 150-100G-0125L-60	#	#	•	•	•	–	H	SAK 150-150-5	APK 150	APCK 150A	SOK150/N3
GKC4 150-115L-0260N-60	#	–	•	•	•	–	H	SAK 150-200-3	APK 150	APCK 150A	–
GKC6 150-115L-0110N-60	#	–	•	•	•	–	H	SAK 150-200-3	APK 150	APCK 150A	–
GKC6 150-115G-0110N-60	#	–	•	•	•	–	H	SAK 150-200-3	APK 150	APCK 150A	–
GKC6 150-115D-0150N-60	#	–	•	•	•	–	H	SAK 150-200-3	APK 150	APCK 150A	–
GKC6 150-115A-0150N-60	#	–	•	•	•	–	H	SAK 150-200-3	APK 150	APCK 150A	–
GKC4 150-102N-0420R-60	–	–	•	•	–	•	F	SAK 150-200-3	APK 150A	–	–
GKC4 150-102M-0510R-60	–	–	•	•	–	•	F	SAK 150-200-3	APK 150A	–	–
GKC4 150-102H-0620R-60	–	–	•	•	–	•	F	SAK 150-200-3	APK 150A	–	–
GKC4 150-102N-0420R-R-60	–	–	•	•	–	•	F	SAK 150-200-4	APK 150A	–	–
GKC4 150-102M-0510R-R-60	–	–	•	•	–	•	F	SAK 150-200-5	APK 150A	–	–
GKC4 150-102H-0620R-R-60	–	–	•	•	–	•	F	SAK 150-200-6	APK 150A	–	–
GKC6 150-102A-0340R-60	–	–	•	•	–	•	F	SAK 150-200-3	APK 150A	–	–
GKC6 150-102A-0340R-R-60	•	•	•	•	–	•	F	SAK 150-200-3	APCK 150	APCK 150A	SOK150-200
GKC6 200-135G-0195P-60	#	–	•	•	•	–	H	SAK 200-250-3	APK 150	APCK 200	–
GKC8 250-163L-0170Z-60	–	–	•	•	–	•	F	SAK 250-300-3	APK 350	–	–
GKC8 250-163G-0250Z-60	–	–	•	•	–	•	F	SAK 250-300-3	APK 350	–	–
GKC8 250-163A-0340Z-60	–	–	•	•	–	•	F	SAK 250-300-3	APK 350	–	–
GKC8 250-163L-0170Z-R-60	–	–	•	•	–	•	F	SAK 250-300-3	APK 350	–	–
GKC8 250-163G-0250Z-R-60	–	–	•	•	–	•	F	SAK 250-300-3	APK 350	–	–
GKC8 250-163A-0340Z-R-60	–	–	•	•	–	•	F	SAK 250-300-4	APK 351	–	–
GKC6 250-163L-0420R-60	–	–	•	•	–	•	F	SAK 250-300-3	APK 350	–	–
GKC6 250-163G-0600T-60	–	–	•	•	–	•	F	SAK 250-300-4	APK 351	–	–
GKC6 250-163B-0820T-60	–	–	•	•	–	•	F	SAK 250-300-5	APK 352	–	–
GKC6 250-163A-1000T-60	–	–	•	•	–	•	F	SAK 250-300-6	APK 353	–	–
GKC6 250-163G-0600T-R-60	–	–	•	•	–	•	F	SAK 250-300-7	APK 354	–	–
GKC6 250-163B-0820-R-60	–	–	•	•	–	•	F	SAK 250-300-8	APK 355	–	–
GKC6 250-163A-1000T-R-60	–	–	•	•	–	•	F	SAK 250-300-9	APK 356	–	–

• = Standard
– = Not present

o = Optional

= Version with oil chamber
\$ = Version with cooling jacket

= 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 ≈ 1150 1/min

		Q = Flow													
		m³/h	0	18	21,5	25,2	28,8	32,4	36	45	54	63	72	81	90
Model	P2	l/min	0	300	358	420	480	540	600	750	900	1050	1200	1350	1500
	kW	H (m) = Total head													
GKC6 80-75G-0015H-60	1,5		6,2	-	5,1	4,9	4,7	4,5	4,3	3,7	3,1	2,4	1,6	-	-
GKC6 80-75D-0015H-60	1,5		8,2	6,3	6,2	6	5,9	5,7	5,5	4,9	4,3	3,6	2,9	-	-
GKC6 80-75A-0018H-60	1,8		10,5	-	-	7,9	7,6	7,4	7,2	6,7	6,1	5,5	4,9	4,1	3,3

n ≈ 1750 1/min

		Q = Flow											
		m³/h	0	21,5	28,8	36	54	72	90	108	126	144	162
Model	P2	l/min	0	358	480	600	900	1200	1500	1800	2100	2400	2700
	kW	H (m) = Total head											
GKC4 80-75G-0029H-60	2,9		15,8	-	12,6	11,8	10	8,2	6,5	4,7	-	-	-
GKC4 80-75D-0037H-60	3,7		19,5	-	14,9	14,5	13,3	11,7	9,9	8	5,8	-	-
GKC4 80-75C-0046H-60	4,6		21,6	18	17,3	16,6	15	13,3	11,5	9,6	7,4	-	-
GKC4 80-75A-0058H-60	5,8		23,6	-	19	18,5	16,9	15,2	13,3	11,4	9,3	6,8	-
GKC4 80-80G-0058H-60	5,8		24,2	-	-	17,5	16,3	15	13,4	11,6	9,7	7,8	5,9
GKC4 80-80L-0058H-60	5,8		22,2	-	-	-	14,3	12,8	11,2	9,5	7,7	5,8	3,7

n ≈ 1150 1/min

		Q = Flow															
		m³/h	0	25,2	28,8	32,4	36	45	54	63	72	81	90	99	108	117	126
Model	P2	l/min	0	420	480	540	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100
	kW	H (m) = Total head															
GKC6 100-80L-0018H-60	1,8		7,9	-	6,6	6,5	6,4	6	5,6	5,2	4,8	4,3	3,9	3,5	3	-	-
GKC6 100-80G-0018H-60	1,8		10,5	8,5	8,2	8	7,8	7,3	6,7	6,3	5,8	5,3	4,8	4,3	3,7	3,1	2,5

n ≈ 1750 1/min

		Q = Flow														
		m³/h	0	10,8	14,4	21,5	28,8	36	54	72	90	108	126	144	162	180
Model	P2	l/min	0	180	240	358	480	600	900	1200	1500	1800	2100	2400	2700	3000
	kW	H (m) = Total head														
GKC4 100-80L-0058H-60	5,8		21,2	-	-	-	-	-	14,4	13,1	11,8	10,4	9	7,5	5,8	-
GKC4 100-80G-0058H-60	5,8		24,3	22,1	21,5	20,4	19,4	18,6	17	15,7	14,5	13,2	11,8	10,3	8,9	7,3

n ≈ 1750 1/min

		Q = Flow															
		m³/h	0	54	63	72	81	90	99	108	117	126	135	144	162	180	
Model	P2	l/min	0	900	1050	1200	1350	1500	1650	1800	1950	2100	2250	2400	2700	3000	
	kW	H (m) = Total head															
GKC4 100-100G-0230N-60	23		44,6	37,9	37,1	36,4	35,8	35,3	34,9	34,5	34,1	33,7	-	-	-	-	
GKC4 100-100L-0230N-60	23		40	33,1	32,4	31,9	31,4	31	30,6	30,2	29,8	29,4	29	28,6	27,8	26,8	

n ≈ 1150 1/min

		Q = Flow											
		m³/h	0	54	72	90	108	126	144	162	180	198	216
Model	P2	l/min	0	900	1200	1500	1800	2100	2400	2700	3000	3300	3600
	kW	H (m) = Total head											
GKC6 150-100G-0040L-60	4		11,5	9,9	9,3	8,7	7,9	7,2	6,4	5,5	4,7	-	-
GKC6 150-100D-0040L-60	4		14,8	11,2	10,3	9,6	9	8,4	7,8	7,1	6,3	5,6	4,7

Performance

n ≈ 1750 1/min

		Q = Flow														
		m³/h	0	18	36	54	72	90	108	126	144	162	180	216	252	288
Model	P2	l/min	0	300	600	900	1200	1500	1800	2100	2400	2700	3000	3600	4200	4800
	kW		H (m) = Total head													
GKC4 150-100D-0075L-60	7,5		22,6	-	-	-	16,8	16	15,1	14,1	13	11,9	10,8	8,2	4,9	-
GKC4 150-100A-0105L-60	10,5		29,7	-	-	22,8	21,1	19,9	18,8	17,8	16,6	15,5	14,2	11,4	8,3	-
GKC4 150-100G-0125L-60	12,5		26,1	24,6	23,2	22	20,8	19,7	18,7	17,8	16,9	16,1	15,3	13,7	11,8	9,2

n ≈ 1750 1/min

		Q = Flow													
		m³/h	0	90	108	126	144	162	180	216	252	288	324	360	450
Model	P2	l/min	0	1500	1800	2100	2400	2700	3000	3600	4200	4800	5400	6000	7500
	kW		H (m) = Total head												
GKC4 150-115L-0260N-60	26		40,3	31,4	30,6	29,7	28,8	28	27,2	25,4	23,6	21,7	19,6	17,4	11,3

n ≈ 1750 1/min

		Q = Flow														
		m³/h	0	126	144	162	180	216	252	288	324	360	450	540	630	720
Model	P2	l/min	0	2100	2400	2700	3000	3600	4200	4800	5400	6000	7500	9000	10500	12000
	kW		H (m) = Total head													
GKC4 150-102N-0420R-60	42		53,3	41	39,6	38,4	37,3	35,2	33,2	31,2	29,2	27,2	22,1	16,7	11	5
GKC4 150-102M-0510R-60	51		61,6	46,5	45,4	44,3	43,2	41	39	36,9	34,9	32,9	27,7	22	15,5	-
GKC4 150-102H-0620R-60	62		69	54,9	53,3	51,9	50,5	48	45,6	43,4	41,3	39,3	34	28,3	21,8	14,5
GKC4 150-102N-0420R-R-60	42		53,3	41	39,6	38,4	37,3	35,2	33,2	31,2	29,2	27,2	22,1	16,7	11	5
GKC4 150-102M-0510R-R-60	51		61,6	46,5	45,4	44,3	43,2	41	39	36,9	34,9	32,9	27,7	22	15,5	-
GKC4 150-102H-0620R-R-60	62		69	54,9	53,3	51,9	50,5	48	45,6	43,4	41,3	39,3	34	28,3	21,8	14,5

n ≈ 1150 1/min

		Q = Flow																
		m³/h	0	54	72	90	108	126	144	162	180	216	252	288	324	360	450	540
Model	P2	l/min	0	900	1200	1500	1800	2100	2400	2700	3000	3600	4200	4800	5400	6000	7500	9000
	kW		H (m) = Total head															
GKC6 200-135G-0195P-60	19,5		18,8	-	-	-	-	16,2	15,8	15,4	15,1	14,3	13,6	12,8	12	11,1	8,7	6
GKC6 150-115L-0110N-60	11		18	14,3	13,7	13,1	12,5	11,9	11,4	10,8	10,2	9	7,6	5,9	4	-	-	-
GKC6 150-115G-0110N-60	11		20,6	17,2	16,1	15,3	14,6	13,9	13,3	12,6	12	10,6	9,1	7,5	5,5	-	-	-
GKC6 150-115D-0150N-60	15		22,7	18,5	17,6	16,9	16,3	15,6	15	14,3	13,6	12,2	10,6	9	7,3	5,3	-	-
GKC6 150-115A-0150N-60	15		25,8	21,8	20,6	19,8	19,1	18,4	17,8	17,1	16,5	15,1	13,6	12	10,2	8,2	-	-
GKC6 150-102A-0340R-60	34		41,9	-	-	-	33,2	32,2	31,3	30,5	29,7	28,1	26,6	25	23,5	21,9	17,3	10,6
GKC6 150-102A-0340R-R-60	34		41,9	-	-	-	33,2	32,2	31,3	30,5	29,7	28,1	26,6	25	23,5	21,9	17,3	10,6

n ≈ 875 1/min

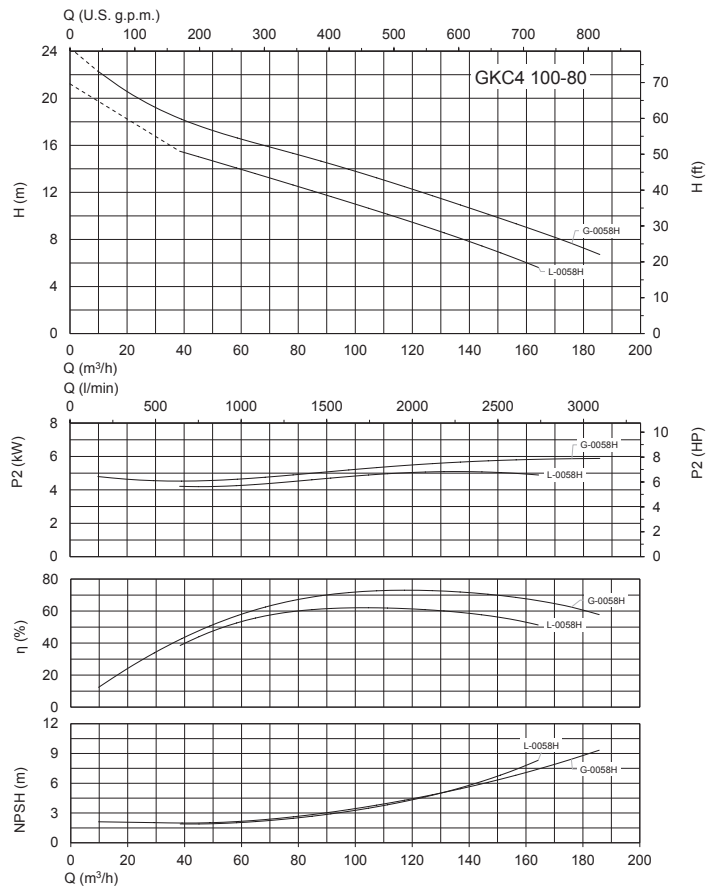
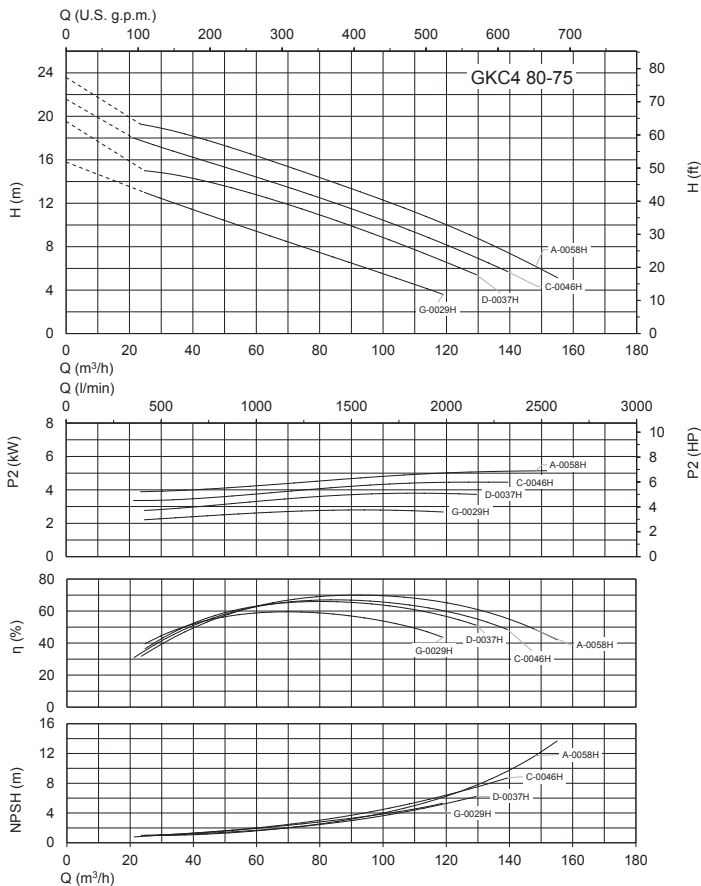
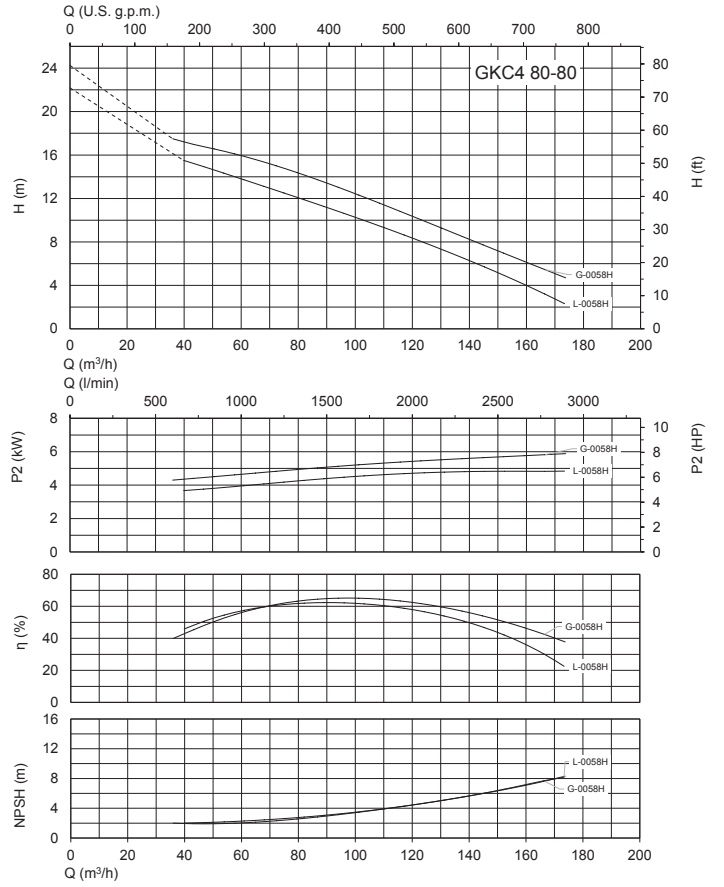
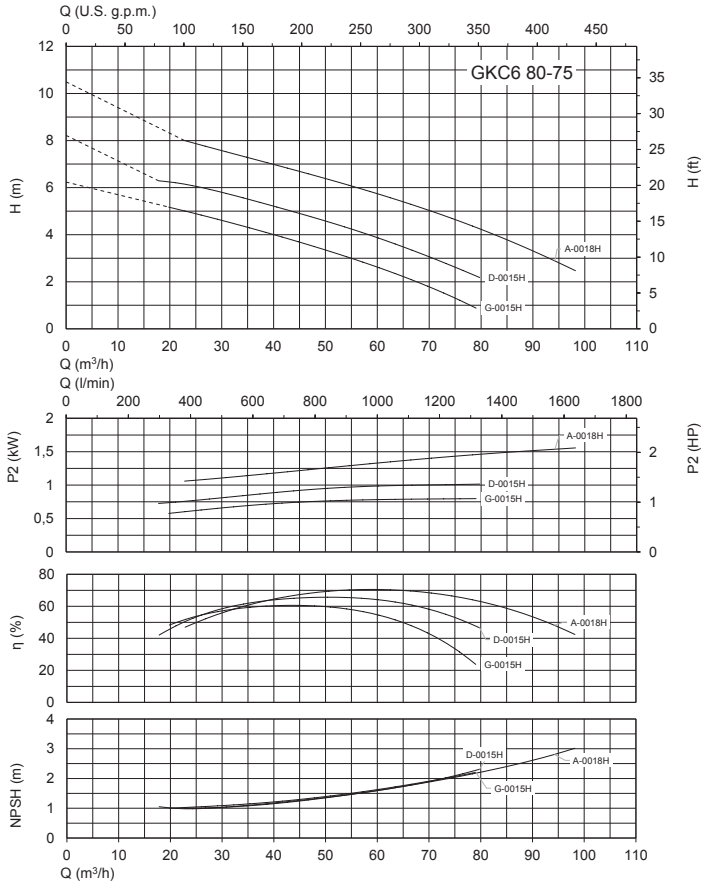
		Q = Flow																
		m³/h	0	126	144	162	180	216	252	288	324	360	450	540	630	720	900	1080
Model	P2	l/min	0	2100	2400	2700	3000	3600	4200	4800	5400	6000	7500	9000	10500	12000	15000	18000
	kW		H (m) = Total head															
GKC8 250-163L-0170Z-60	17		19,7	14,7	14,5	14,2	14	13,4	12,9	12,3	11,7	11,1	9,7	8,2	6,6	5	1,7	-
GKC8 250-163G-0250Z-60	25		23,3	19,5	19,3	19,1	18,9	18,3	17,6	17	16,3	15,7	14,1	12,5	10,8	9,1	5,4	-
GKC8 250-163A-0340Z-60	34		27,5	23,4	23,1	22,9	22,6	22	21,4	20,8	20,2	19,6	18	16,3	14,7	12,9	8,7	2,2
GKC8 250-163L-0170Z-R-60	17		19,7	14,7	14,5	14,2	14	13,4	12,9	12,3	11,7	11,1	9,7	8,2	6,6	5	1,7	-
GKC8 250-163G-0250Z-R-60	25		23,3	19,5	19,3	19,1	18,9	18,3	17,6	17	16,3	15,7	14,1	12,5	10,8	9,1	5,4	-
GKC8 250-163A-0340Z-R-60	34		27,5	23,4	23,1	22,9	22,6	22	21,4	20,8	20,2	19,6	18	16,3	14,7	12,9	8,7	2,2

Performance

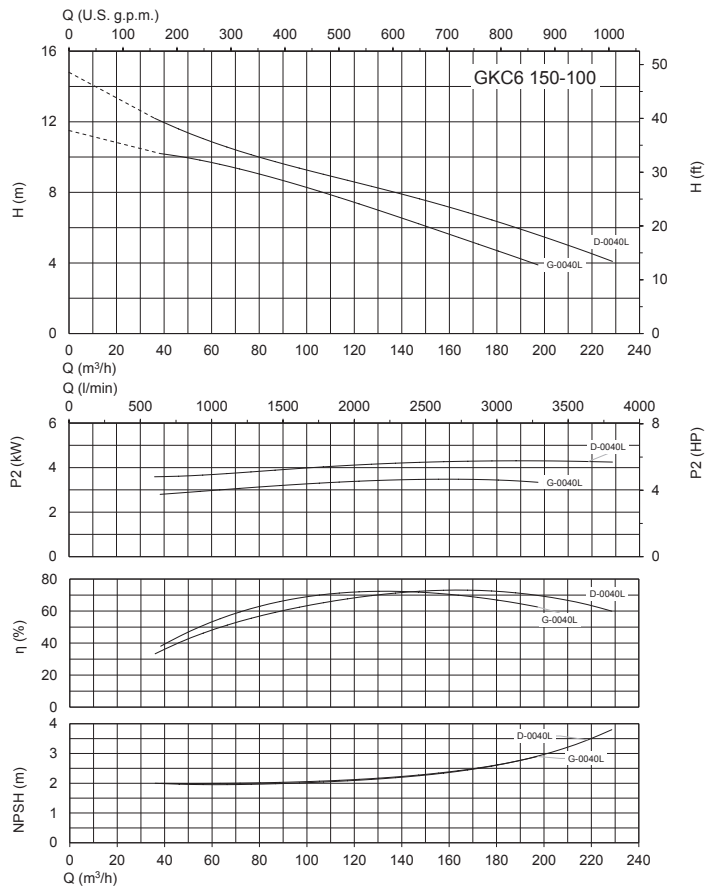
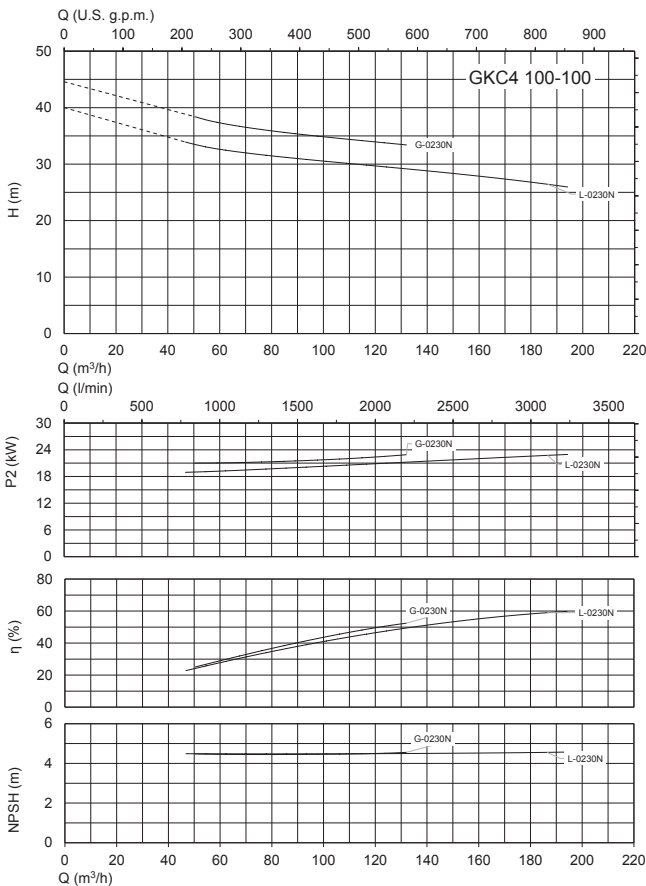
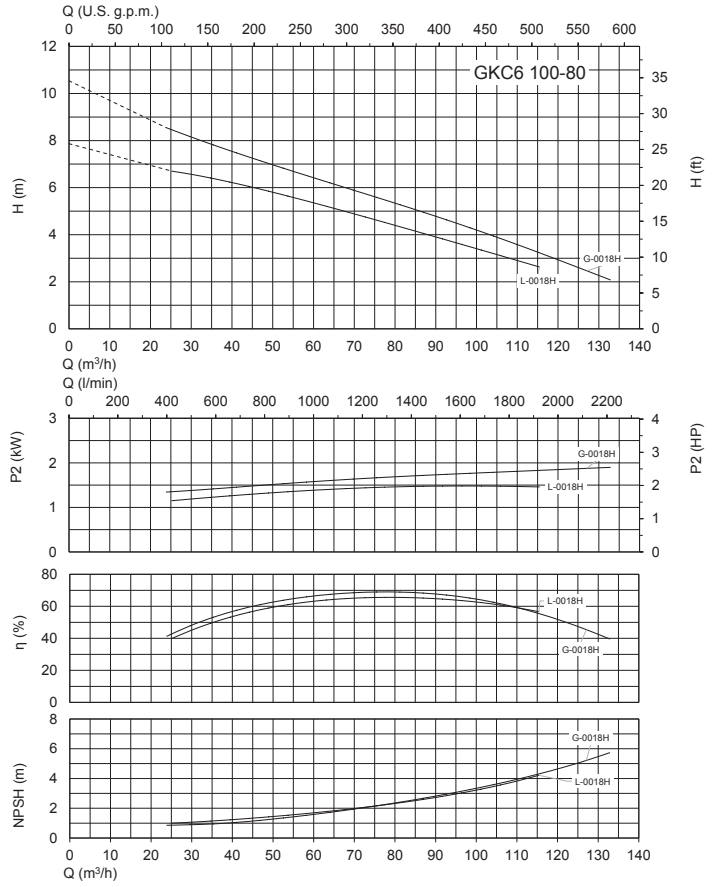
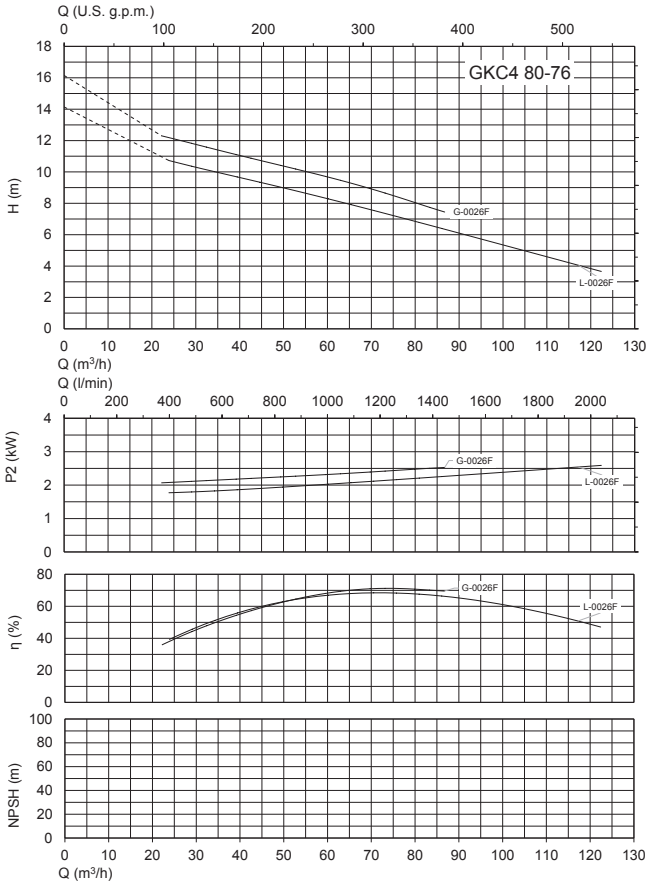
n ≈ 1150 1/min

Model	P2	Q = Flow															
		m³/h	0	252	270	288	324	360	450	540	630	720	810	900	990	1080	1170
		l/min	4200	4500	4800	5400	6000	7500	9000	10500	12000	13500	15000	16500	18000	19500	
	kW	H (m) = Total head															
GKC6 250-163L-0420R-60	42	36,2	25,3	-	24,6	23,8	23,1	21,2	19,3	17,3	15,3	-	11,2	-	6,8	-	
GKC6 250-163G-0600T-60	60	40,6	32,1	31,7	31,3	30,4	29,6	27,2	24,9	22,6	20,3	18,1	15,6	12,9	9,7	6	
GKC6 250-163B-0820T-60	82	48,8	39,7	39,1	38,5	37,5	36,7	34,7	32,8	30,6	28,3	25,9	23,6	21,3	18,9	16,3	
GKC6 250-163A-1000T-60	100	51	41,2	40,9	40,5	39,9	39,3	37,6	35,7	33,6	31,4	29,2	26,8	24,4	21,9	19,1	
GKC6 250-163L-0420R-R-60	42	36,2	25,3	-	24,6	23,8	23,1	21,2	19,3	17,3	15,3	-	11,2	-	6,8	-	
GKC6 250-163G-0600T-R-60	60	40,6	32,1	31,7	31,3	30,4	29,6	27,2	24,9	22,6	20,3	18,1	15,6	12,9	9,7	6	
GKC6 250-163B-0820-R-60	82	48,8	39,7	39,1	38,5	37,5	36,7	34,7	32,8	30,6	28,3	25,9	23,6	21,3	18,9	16,3	
GKC6 250-163A-1000T-R-60	100	51	41,2	40,9	40,5	39,9	39,3	37,6	35,7	33,6	31,4	29,2	26,8	24,4	21,9	19,1	

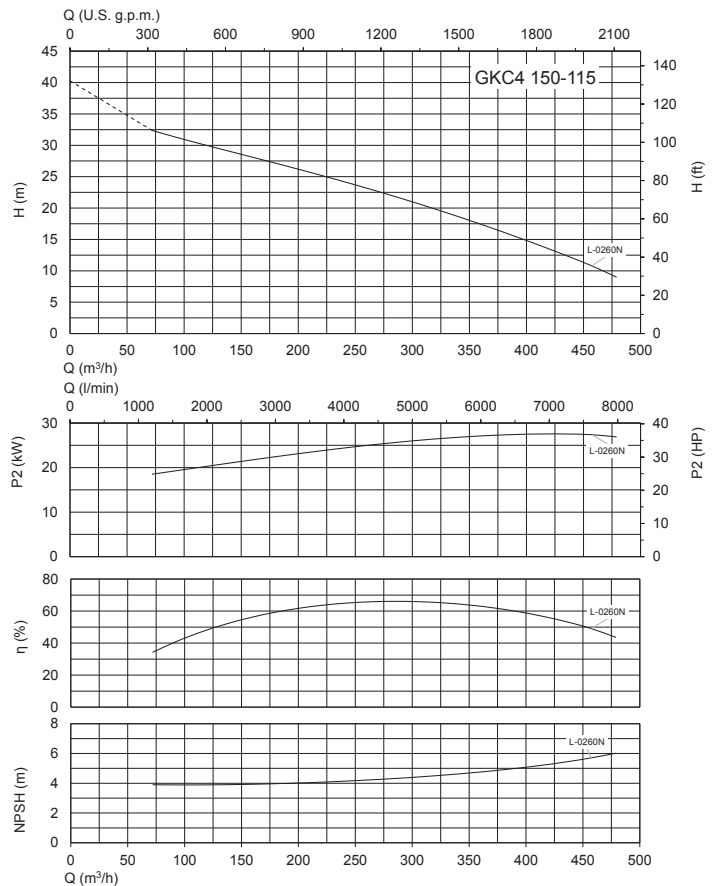
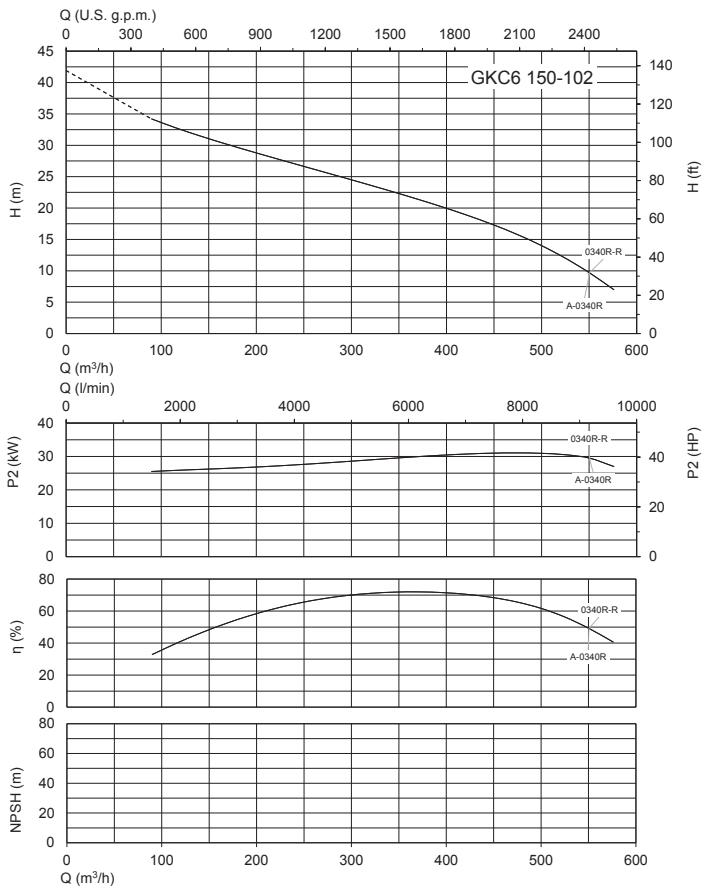
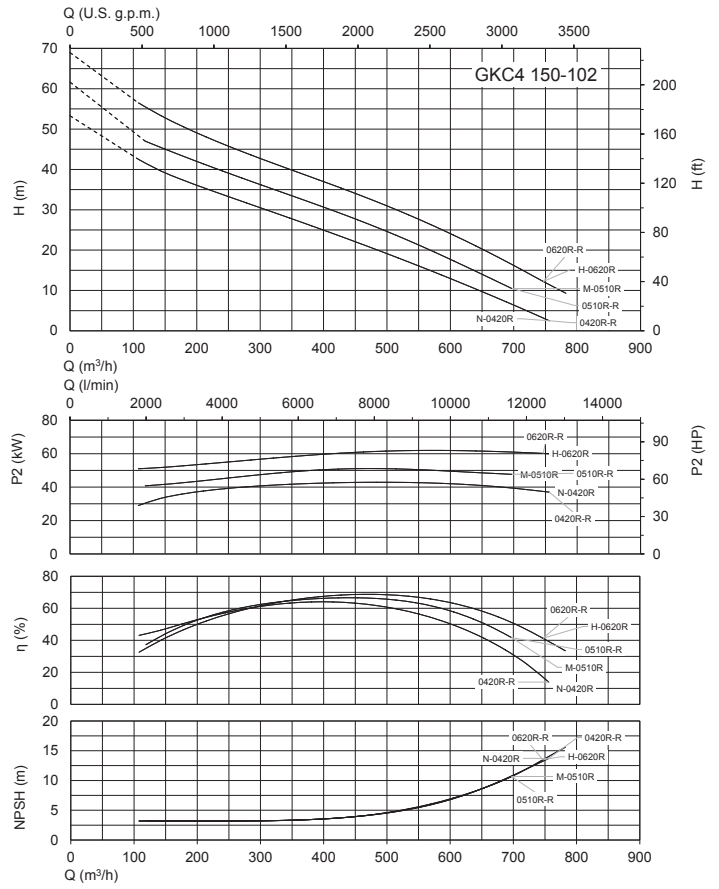
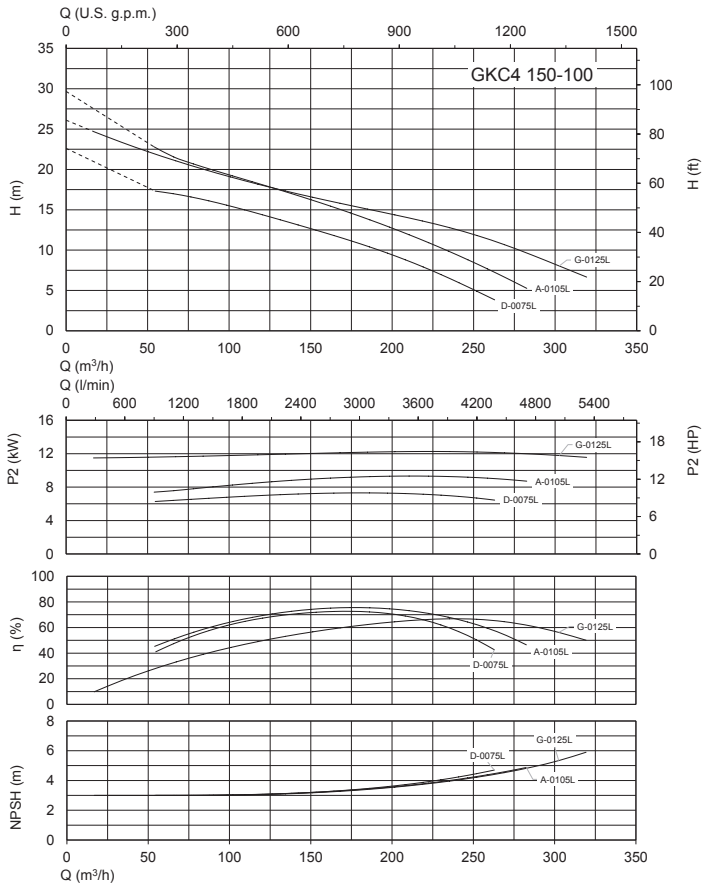
Characteristic curves



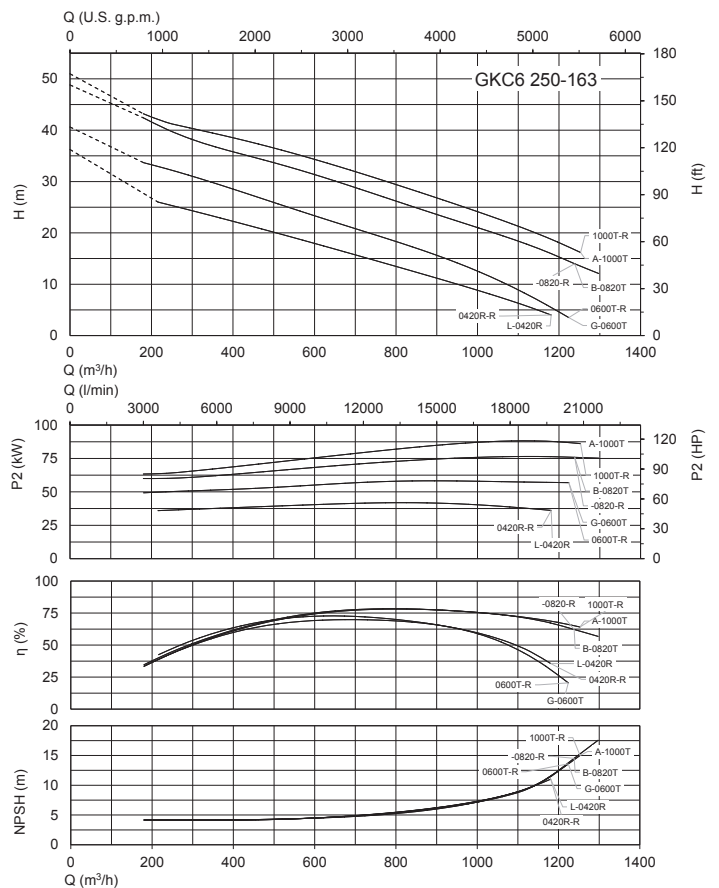
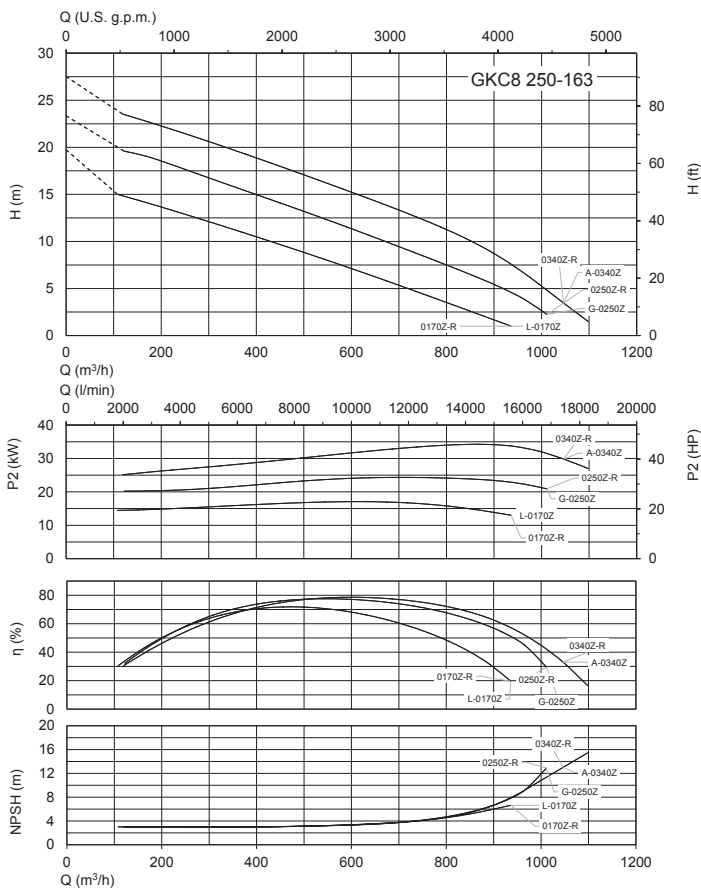
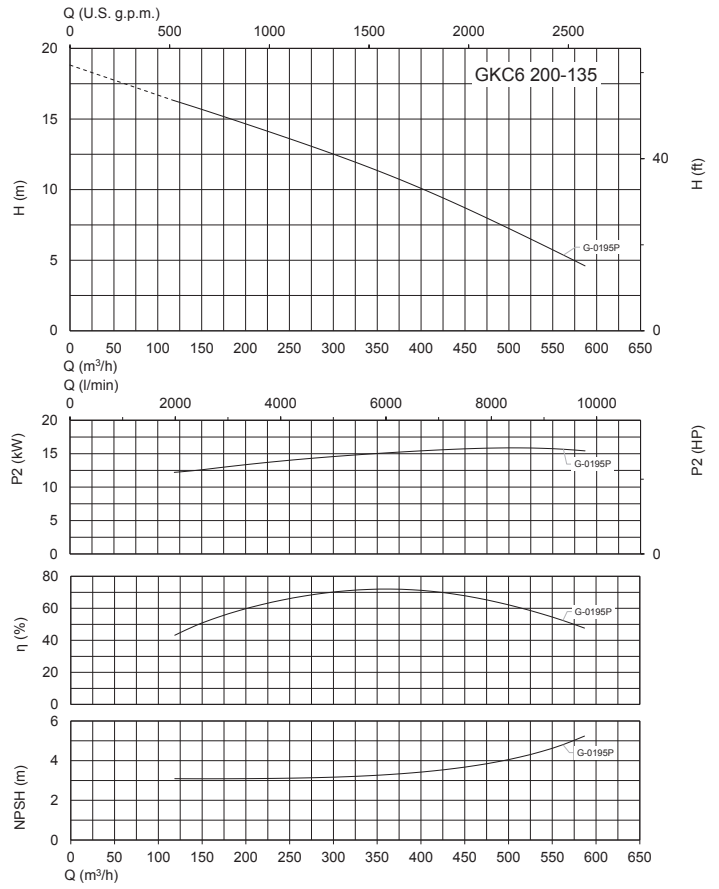
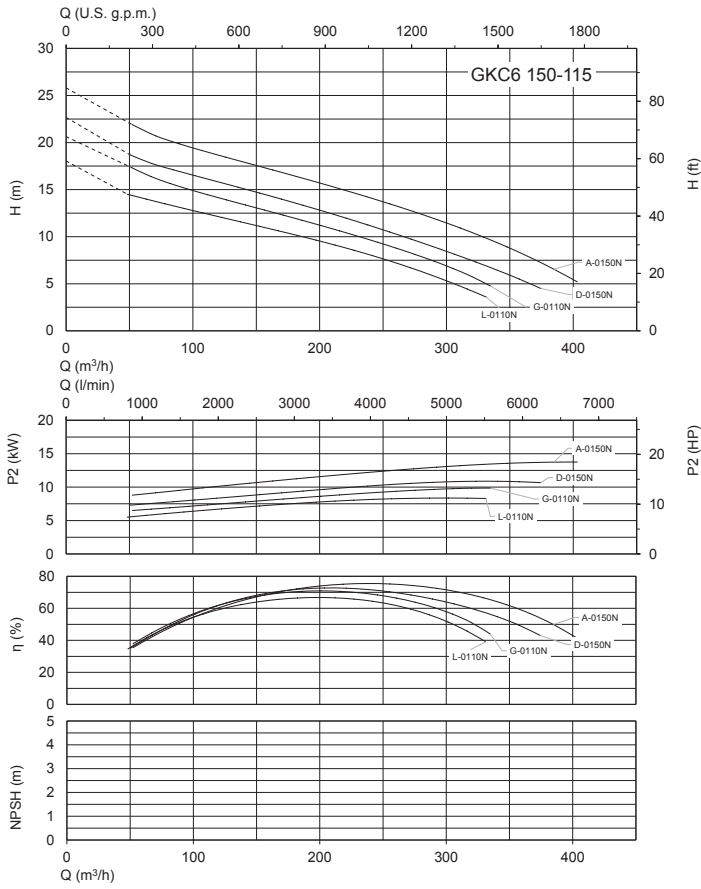
Characteristic curves



Characteristic curves



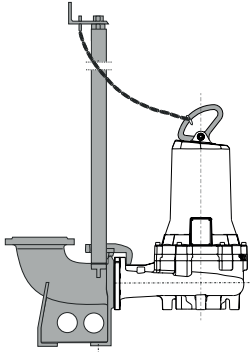
Characteristic curves



Dimensions and weights

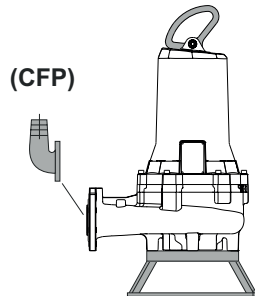
Duck foot coupling

SAK



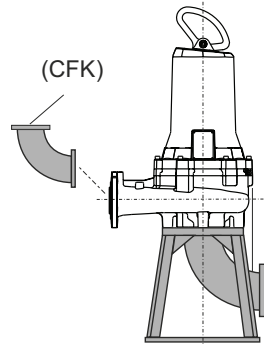
Submersible pump rest

APK



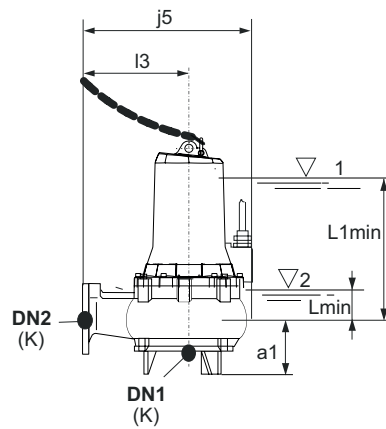
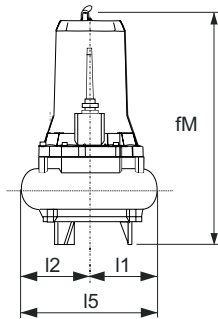
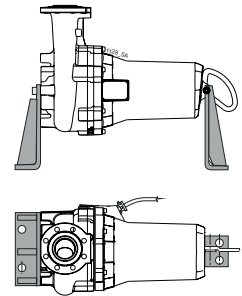
Dry chamber pump rest

APCK



Dry chamber pump support

SOK



TYPE	mm										Kg Weight
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min	Lmin	
GKC6 80-75G-0015H-60	80	80	121	407	204.5	176	245	380.5	297	75	87.2
GKC6 80-75D-0015H-60	80	80	121	407	204.5	176	245	380.5	297	75	87.1
GKC6 80-75A-0018H-60	80	80	121	407	221	176	245	397	297	75	106.3
GKC4 80-75G-0029H-60	80	80	121	407	204.5	176	245	380.5	297	75	95.7
GKC4 80-75D-0037H-60	80	80	121	407	221	176	245	397	297	75	110
GKC4 80-75C-0046H-60	80	80	121	407	221	176	245	397	297	75	116.3
GKC4 80-75A-0058H-60	80	80	121	407	221	176	245	397	297	75	116.9
GKC4 80-80G-0058H-60	100	80	120.5	407	221	176	245	397	370	80	126.7
GKC4 80-80L-0058H-60	100	80	120.5	407	221	176	245	397	370	80	126.7

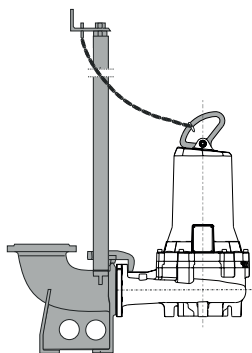
L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

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

Dimensions and weights

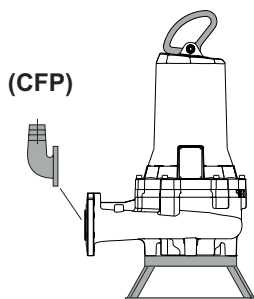
Duck foot coupling

SAK



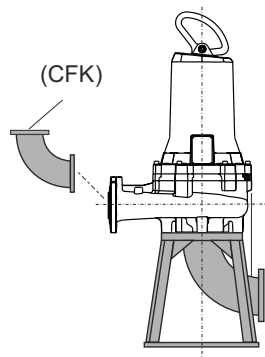
Submersible pump rest

APK



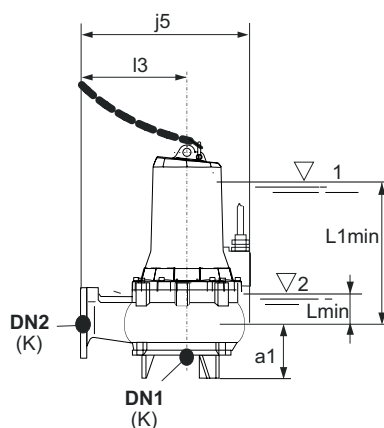
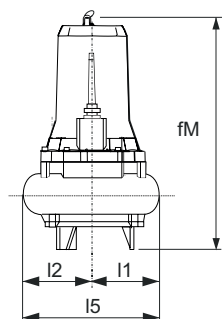
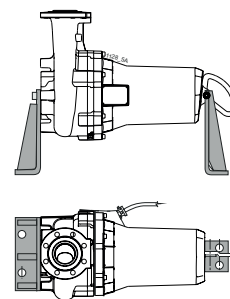
Dry chamber pump rest

APCK



Dry chamber pump support

SOK



TYPE	mm										Kg Weight
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min	Lmin	
GKC6 100-80L-0018H-60	100	100	118	435	221	198	255	419	337	82	116.1
GKC6 100-80G-0018H-60	100	100	118	435	221	198	255	419	337	82	116.1
GKC4 100-80L-0058H-60	100	100	118	435	221	198	255	419	337	82	126.7
GKC4 100-80G-0058H-60	100	100	118	435	221	198	255	419	337	82	126.7

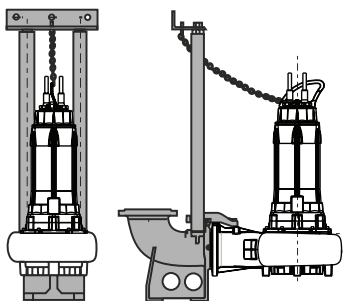
L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

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

Dimensions and weights

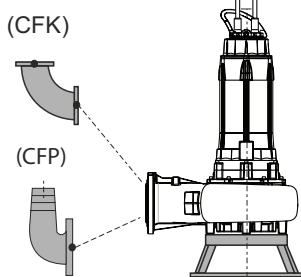
Duck foot coupling

SAK



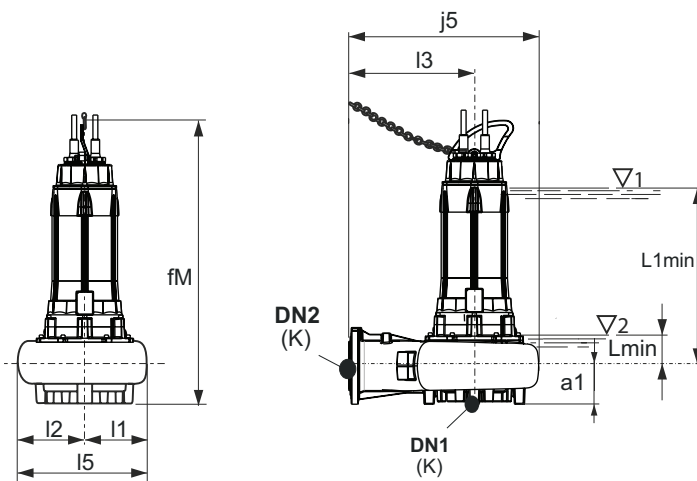
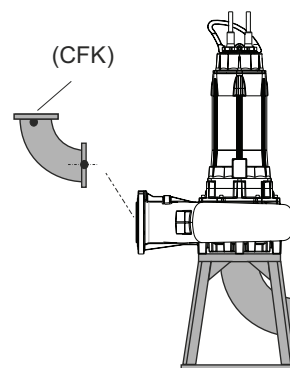
Submersible pump rest

APK



Dry chamber pump rest

APCK



TYPE	mm										Kg
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min	Lmin	Weight
GKC4 100-100G-0230N-60	150	100	160	551	224	262	308	486	795	174	378.5
GKC4 100-100L-0230N-60	150	100	160	551	224	262	308	486	795	174	378.5

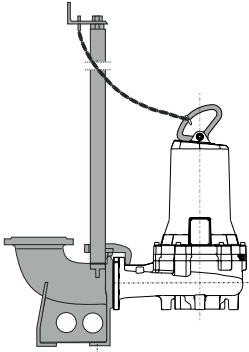
L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

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

Dimensions and weights

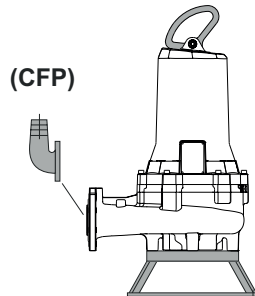
Duck foot coupling

SAK



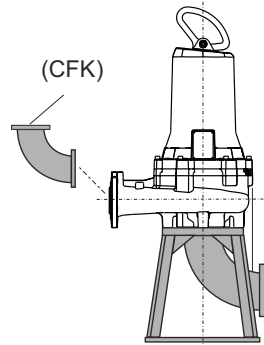
Submersible pump rest

APK



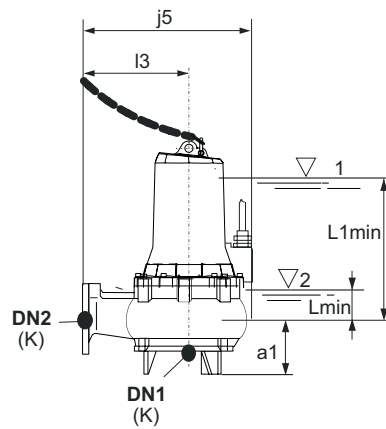
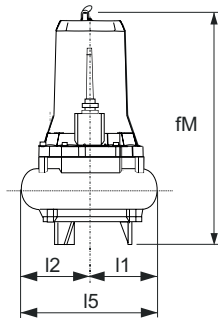
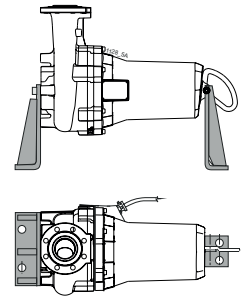
Dry chamber pump rest

APCK



Dry chamber pump support

SOK



TYPE	mm									Kg Weight	
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min		Lmin
GKC6 150-100G-0040L-60	150	150	138	532	227	241	305	468	440	89	168.5
GKC6 150-100D-0040L-60	150	150	138	532	227	241	305	468	440	89	168
GKC4 150-100D-0075L-60	150	150	138	532	227	241	305	468	440	89	176.5
GKC4 150-100A-0105L-60	150	150	138	532	236	241	305	477	440	89	199.5
GKC4 150-100G-0125L-60	150	150	138	532	236.5	241	305	477.5	440	89	200.2

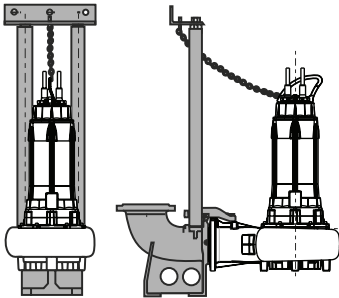
L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

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

Dimensions and weights

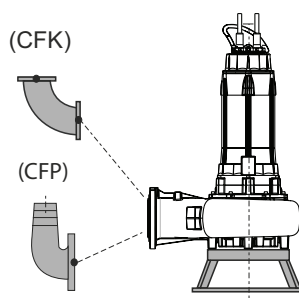
Duck foot coupling

SAK



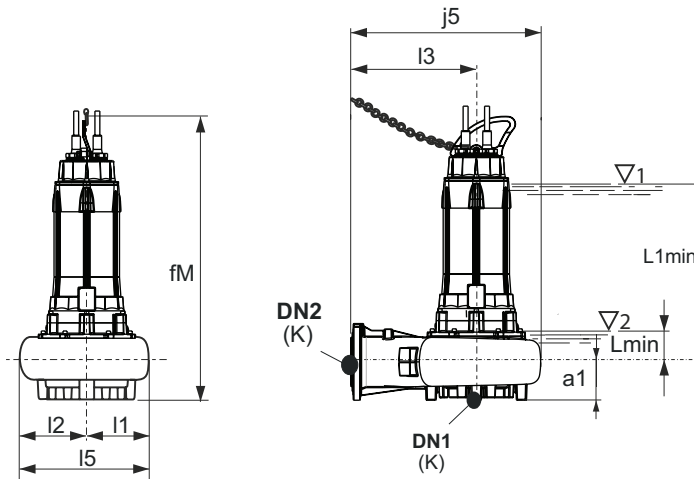
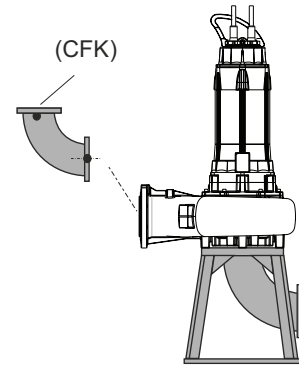
Submersible pump rest

APK



Dry chamber pump rest

APCK



TYPE	mm										Kg Weight
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min	Lmin	
GKC4 150-115L-0260N-60	150	150	160	658	229	278	405	507	795	174	386.5
GKC6 150-115L-0110N-60	150	150	160	658	229	278	405	507	795	174	371.3
GKC6 150-115G-0110N-60	150	150	160	658	229	278	405	507	795	174	371.3
GKC6 150-115D-0150N-60	150	150	160	658	229	278	405	507	795	174	396.6
GKC6 150-115A-0150N-60	150	150	160	658	229	278	405	507	795	174	397.9
GKC6 150-102A-0340R-60	150	150	195	825	305	365	500	670	900	155	723
GKC6 150-102A-0340R-R-60	150	150	195	825	305	365	500	670	900	155	736

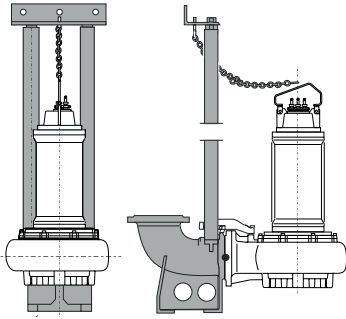
L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

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

Dimensions and weights

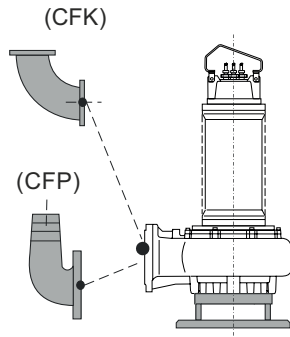
Duck foot coupling

SAK



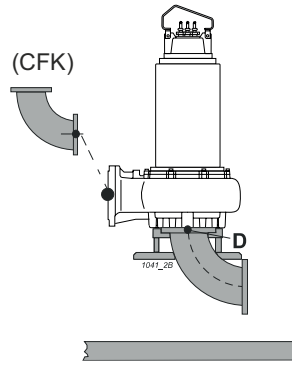
Submersible pump rest

APK



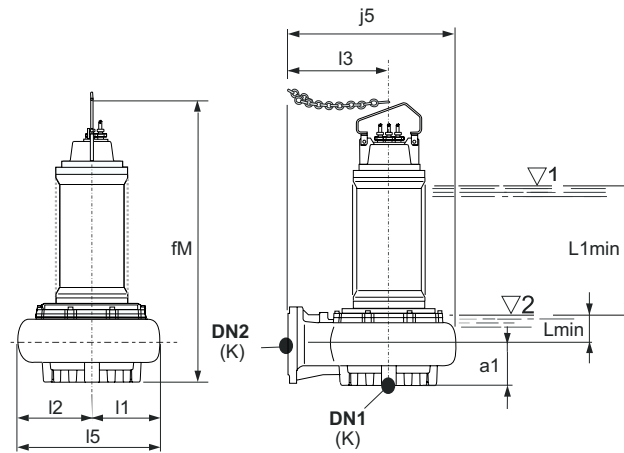
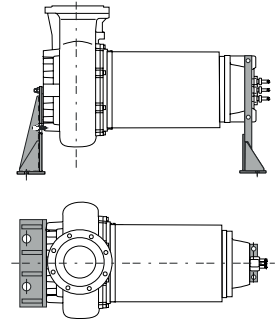
Dry chamber pump rest

APCK



Dry chamber pump support

SOK



TYPE	mm									Kg Weight	
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min		Lmin
GKC4 150-102N-0420R-60	150	150	195	825	305	365	500	670	900	155	671
GKC4 150-102M-0510R-60	150	150	195	825	305	365	500	670	900	155	600
GKC4 150-102H-0620R-60	150	150	195	825	305	365	500	670	900	155	807
GKC4 150-102N-0420R-R-60	150	150	195	825	305	365	500	670	900	155	671
GKC4 150-102M-0510R-R-60	150	150	195	825	305	365	500	670	900	155	615
GKC4 150-102H-0620R-R-60	150	150	195	825	305	365	500	670	900	155	827

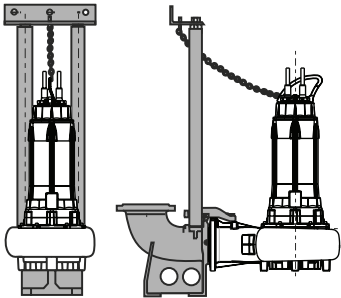
L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

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

Dimensions and weights

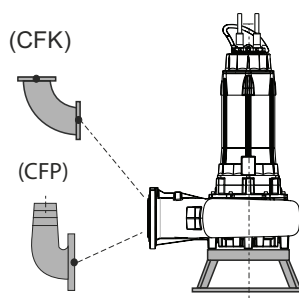
Duck foot coupling

SAK



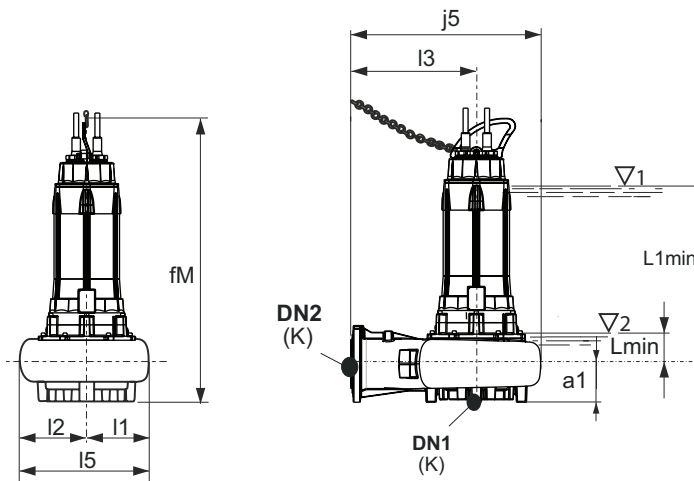
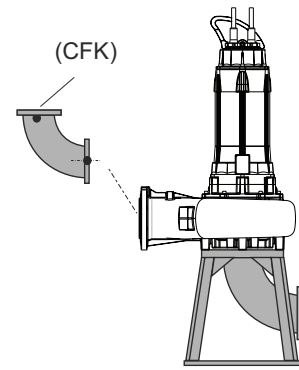
Submersible pump rest

APK



Dry chamber pump rest

APCK



TYPE	mm										Kg Weight
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min	Lmin	
GKC6 200-135G-0195P-60	200	200	185	765	277	345	455	622	810	189	493.1

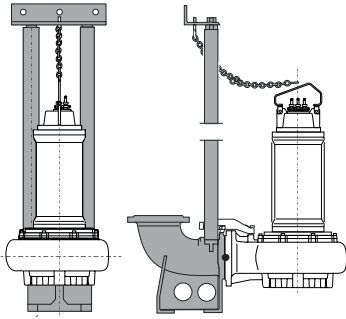
L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

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

Dimensions and weights

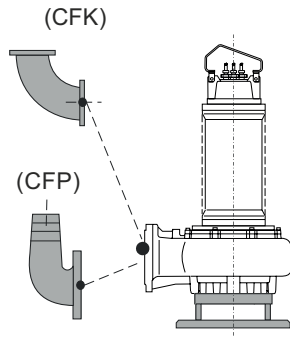
Duck foot coupling

SAK



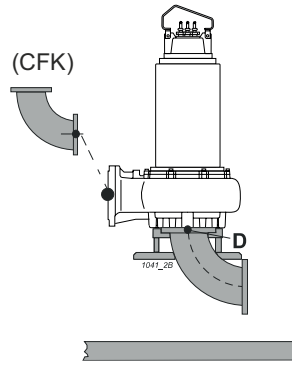
Submersible pump rest

APK



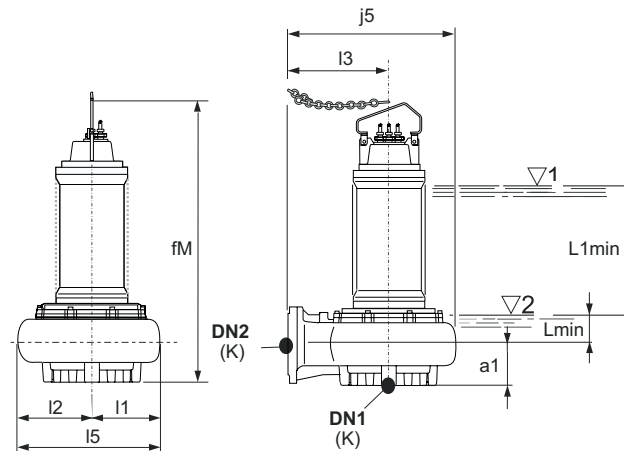
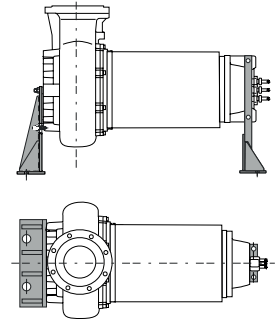
Dry chamber pump rest

APCK



Dry chamber pump support

SOK



HL minimum level of submersibility

TYPE	mm									Kg Weight	
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min		Lmin
GKC8 250-163L-0170Z-60	250	250	220	935	330	405	570	735	930	185	631
GKC8 250-163G-0250Z-60	250	250	220	935	330	405	570	735	930	185	839
GKC8 250-163A-0340Z-60	250	250	220	935	330	405	570	735	930	185	873
GKC8 250-163L-0170Z-R-60	250	250	220	935	330	405	570	735	930	185	-
GKC8 250-163G-0250Z-R-60	250	250	220	935	330	405	570	735	930	185	-
GKC8 250-163A-0340Z-R-60	250	250	220	935	330	405	570	735	930	185	-

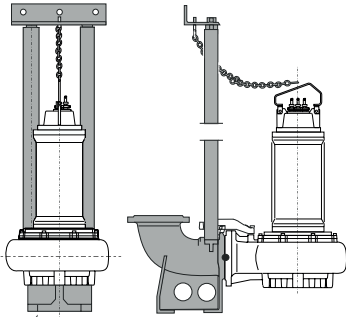
L1min = Minimum submergence depth for motor without casing with continuous duty S1 (NPSHR permitting)

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

Dimensions and weights

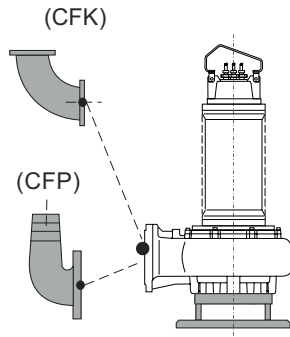
Duck foot coupling

SAK



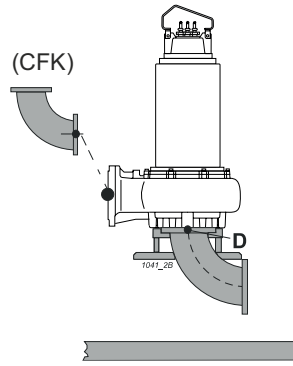
Submersible pump rest

APK



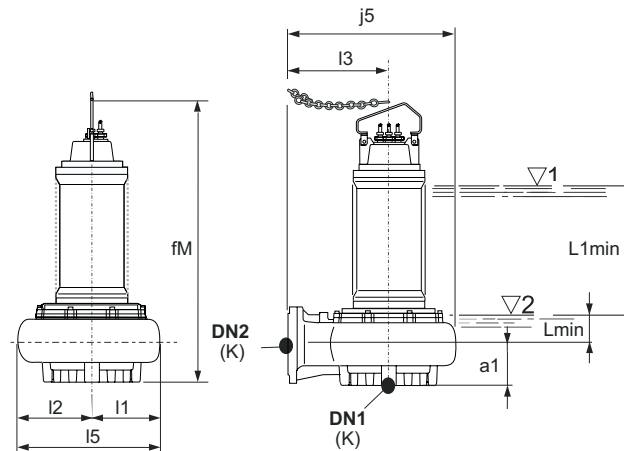
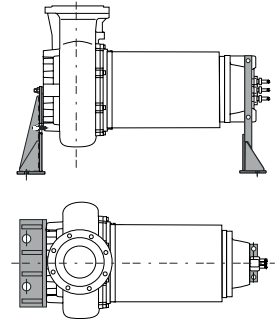
Dry chamber pump rest

APCK



Dry chamber pump support

SOK

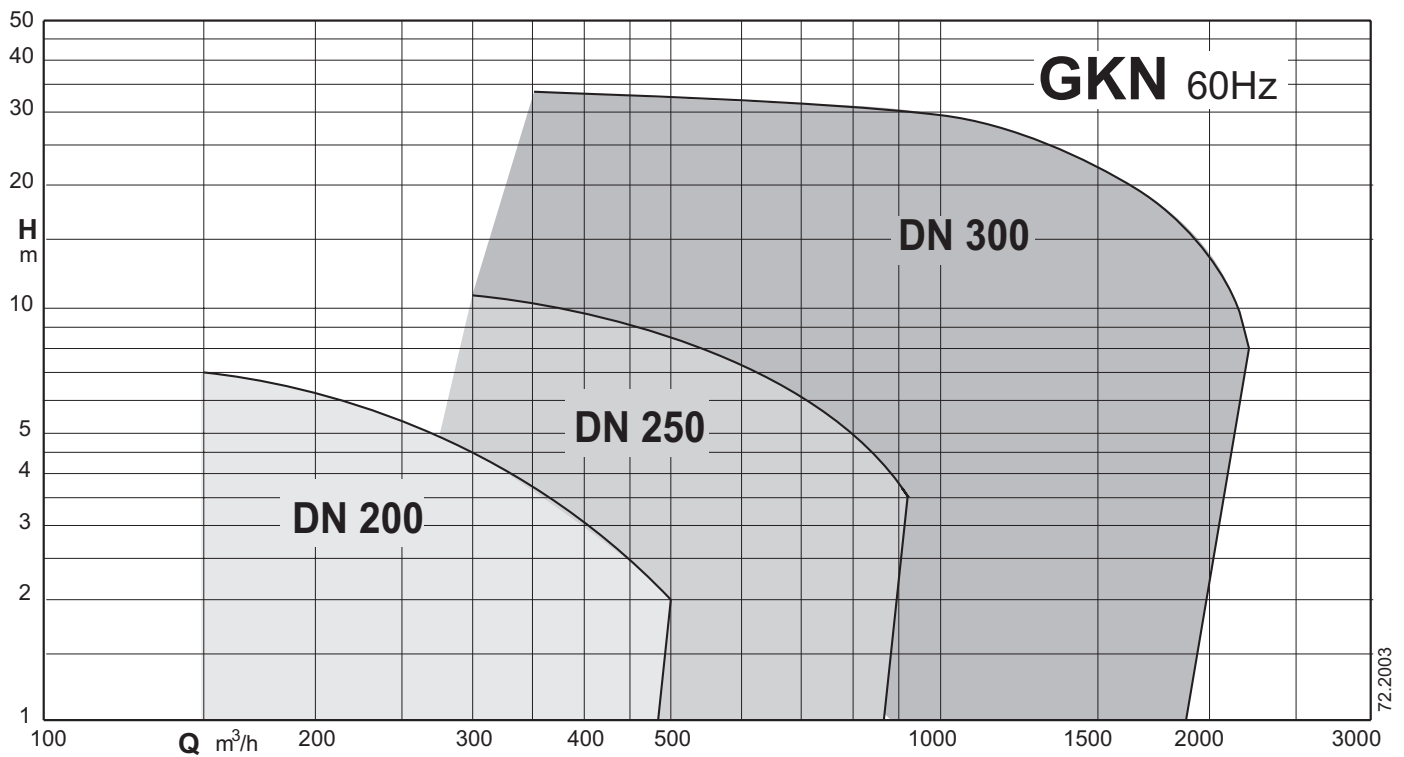


TYPE	mm									Kg Weight	
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min		Lmin
GKC6 250-163L-0420R-60	250	250	220	935	330	405	570	735	930	185	670
GKC6 250-163G-0600T-60	250	250	220	935	330	405	570	735	1140	185	1286
GKC6 250-163B-0820T-60	250	250	220	935	330	405	570	735	1140	185	1361
GKC6 250-163A-1000T-60	250	250	220	935	330	405	570	735	1140	185	1422
GKC6 250-163L-0420R-R-60	250	250	220	935	330	405	570	735	930	185	685
GKC6 250-163G-0600T-R-60	250	250	220	935	330	405	570	735	1140	185	1520
GKC6 250-163B-0820-R-60	250	250	220	935	330	405	570	735	1140	185	1595
GKC6 250-163A-1000T-R-60	250	250	220	935	330	405	570	735	1140	185	1656

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)

GKN 60 Hz



submersible pumps with channels impeller

Construction

Submersible pumps with multi-channel impeller.
Characterised by good protection against clogging, large spherical passages, good wear resistance, low mechanical action on the fluid and high hydraulic efficiency at high flow rates.
Low vibrations thanks to the dynamically balanced impeller.
Delivery port DN 200-250-300-350.

Applications

For the movement of sewage and sewage grates.
Particularly suitable for the emptying of sewage from cesspits or primary collection tanks or industrial waste water.
They replace single-channel pumps when a high solids passage diameter is not required.
Solid passage from 100 to 164 mm.

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 / EN-GJL450 UNI-EN 1561-11
Shaft: stainless steel X20Cr13 (AISI420)
Mechanical seal pumps with insulation class H
- motor side: graphite/ceramic
- pump side: silicon/ceramic carbide
Mechanical seal pumps with insulation class F
- motor side: stainless steel/graphite
- pump side: Silicon carbide/silicon carbide

Motor

Induction motor 4-6 and 8 poles, 60Hz
460/795V ± 10%
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.

Designation

GKN4 200-100A-0260R-60
GK = Series
N = Multi-channel impeller
4 = Number of poles
200 = Delivery port diameter in mm
100 = Free passage in mm
A = Impeller trim
0260 = Motor size kW x 10
R = With cooling jacket
60 = Frequency 60 Hz

Technical data

TYPE	Dry chamber version		Probes		Cable		Class Isolation	Duck foot coupling	Submersible pump rest	Dry chamber pump rest	Dry chamber pump support
	Vertical	Horizontal	thermal	conductivity	NSSHOU-J	H07RN-F					
GKN6 200-100L-0075N-60	#	-	•	•	•	-	H	SAK 200-250-3	APK 150	APCK 200	SOK150/N3
GKN4 200-110L-0260N-60	•	-	•	•	•	-	H	SAK 200-250-3	APK 150	APCK 200	-
GKN6 200-110L-0110N-60	•	-	•	•	•	-	H	SAK 200-250-3	APK 150	APCK 200	-
GKN6 200-110G-0110N-60	•	-	•	•	•	-	H	SAK 200-250-3	APK 150	APCK 200	-
GKN6 200-110A-0150N-60	•	-	•	•	•	-	H	SAK 200-250-3	APK 150	APCK 200	-
GKN6 250-115G-0195P-60	#	-	•	•	•	-	H	SAK 250-300-3	APK 250	APCK 250	-
GKN8 300-143G-0250Z-60	-	-	•	•	-	•	F	SAK 300-350-3	APK 350	-	-
GKN8 300-143A-0340Z-60	\$	\$	•	•	-	•	F	SAK 300-350-3	-	APCK 300	SOK350-200
GKN8 300-143H-0250Z-R-60	-	-	•	•	-	•	F	SAK 300-350-3	APK 350	-	-
GKN8 300-143B-0340Z-R-60	\$	\$	•	•	-	•	F	SAK 300-350-3	-	APCK 300	SOK350-250
GKN6 300-143N-0420R-60	-	-	•	•	-	•	F	SAK 300-350-3	APK 350	-	-
GKN6 300-143I-0510R-60	\$	\$	•	•	-	•	F	SAK 300-350-3	-	APCK 300	SOK350-250
GKN6 300-143P-0420R-R-60	\$	\$	•	•	-	•	F	SAK 300-350-3	-	APCK 300	SOK350-250
GKN6 300-143L-0510R-R-60	\$	\$	•	•	-	•	F	SAK 300-350-3	-	APCK 300	SOK350-250
GKN6 300-143G-0600T-60	\$	\$	•	•	-	•	F	SAK 300-350-3	-	APCK 300	SOK350-250
GKN6 300-143D-0820T-60	\$	\$	•	•	-	•	F	SAK 300-350-3	-	APCK 300	SOK350-250
GKN6 300-143A-1000T-60	\$	\$	•	•	-	•	F	SAK 300-350-3	-	APCK 300	SOK350-250
GKN6 300-143H-0600T-R-60	\$	\$	•	•	-	•	F	SAK 300-350-3	-	APCK 300	SOK350-250
GKN6 300-143E-0820T-R-60	\$	\$	•	•	-	•	F	SAK 300-350-3	-	APCK 300	SOK350-250
GKN6 300-143B-1000T-R-60	\$	\$	•	•	-	•	F	SAK 300-350-3	-	APCK 300	SOK350-250
GKN8 350-163V-0340R-60	-	-	•	•	-	•	F	SAK 350-400-3	APK 350	-	-
GKN8 350-163O-0420R-60	-	-	•	•	-	•	F	SAK 350-400-3	APK 350	-	-
GKN8 350-163W-0340R-R-60	•	•	•	•	-	•	F	SAK 350-400-3	-	APCK 350	SOK350-225
GKN8 350-163P-0420R-R-60	•	•	•	•	-	•	F	SAK 350-400-3	-	APCK 350	SOK350-250

• = Standard
- = Not present

o = Optional

= Version with oil chamber
\$ = Version with cooling jacket

= 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 ≈ 1150 1/min

Model	P2	Q = Flow												
		m³/h	0	162	180	216	252	288	324	360	450	540	630	720
		l/min		2700	3000	3600	4200	4800	5400	6000	7500	9000	10500	12000
	kW	H (m) = Total head												
GKN6 200-100L-0075N-60	7,5	8,5	6,7	6,6	6,1	5,7	5,2	4,7	4,2	3	1,4	-	-	
GKN6 200-110L-0110N-60	11	8,5	-	6,5	6,2	5,8	5,5	5,1	4,6	3,4	-	-	-	
GKN6 200-110G-0110N-60	11	11,7	-	9,2	8,7	8,2	7,8	7,3	6,9	5,5	3,9	2,1	-	
GKN6 200-110A-0150N-60	15	16,8	-	12	11,7	11,3	10,8	10,4	9,8	8,4	6,8	5	2,7	

n ≈ 1750 1/min

Model	P2	Q = Flow								
		m³/h	0	288	324	360	450	540	630	720
		l/min		4800	5400	6000	7500	9000	10500	12000
	kW	H (m) = Total head								
GKN4 200-110L-0260N-60	26	18,9	14,1	13,6	13	11,6	10,1	8,4	6,4	

n ≈ 1150 1/min

Model	P2	Q = Flow										
		m³/h	0	288	324	360	450	540	630	720	810	900
		l/min		4800	5400	6000	7500	9000	10500	12000	13500	15000
	kW	H (m) = Total head										
GKN6 250-115G-0195P-60	19,5	13,8	11	10,6	10,2	9,2	8,2	7,1	6,1	4,9	3,7	

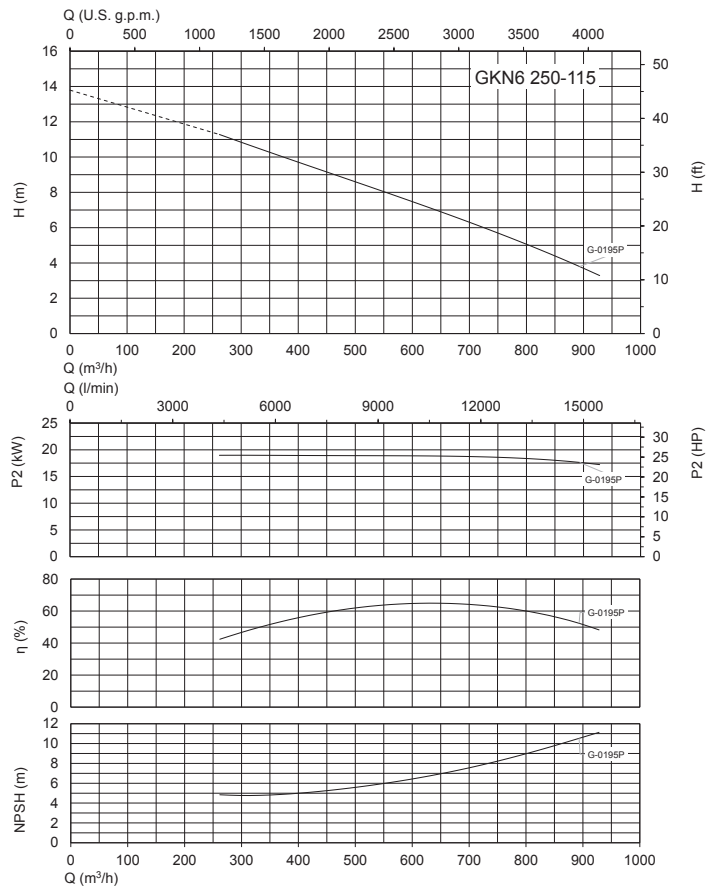
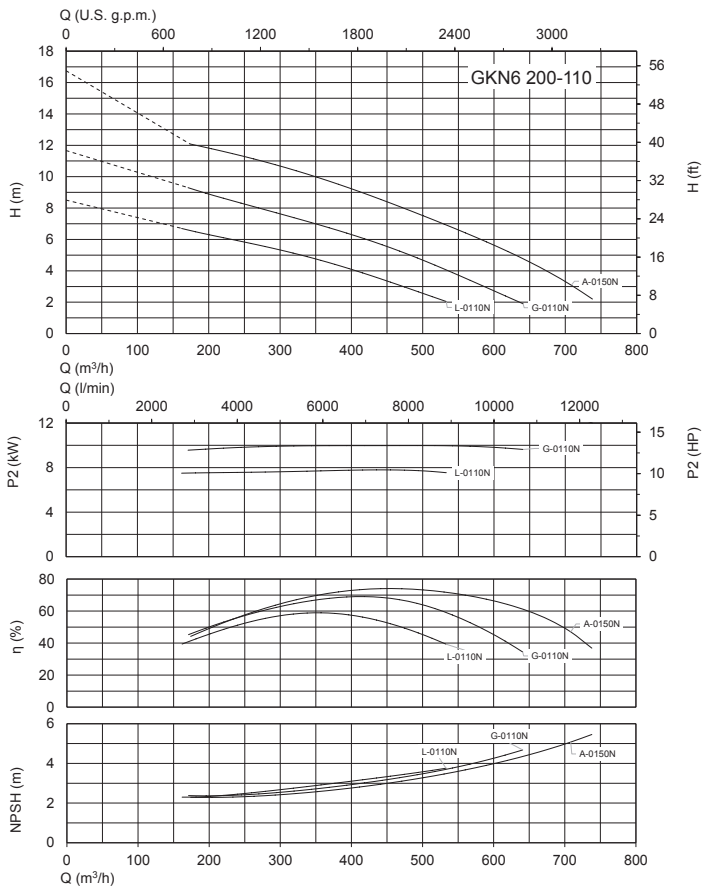
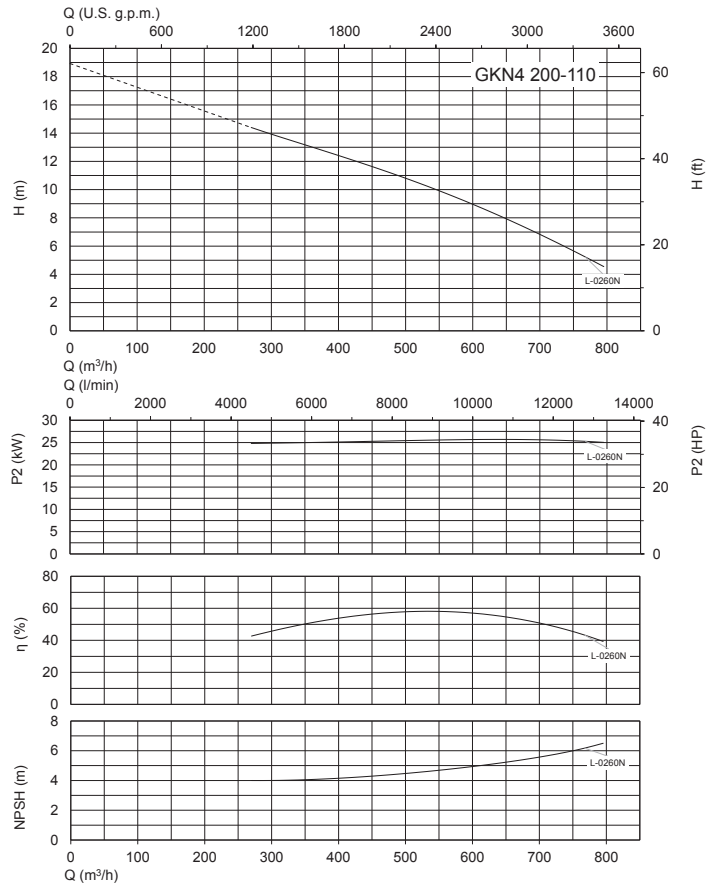
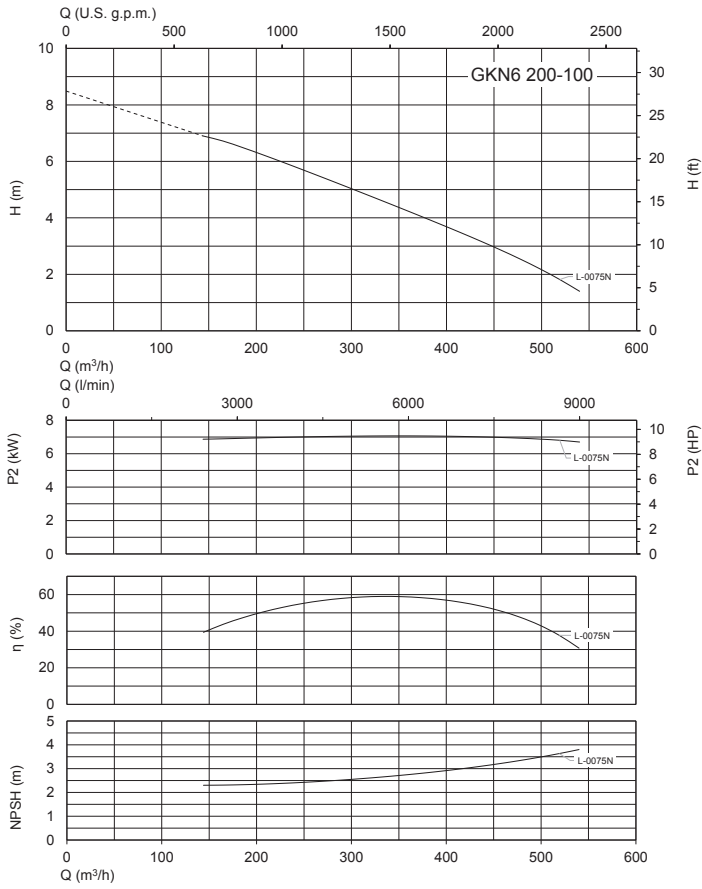
n ≈ 875 1/min

Model	P2	Q = Flow													
		m³/h	0	360	450	540	630	720	900	1080	1260	1440	1620	1800	1980
		l/min		6000	7500	9000	10500	12000	15000	18000	21000	24000	27000	30000	33000
	kW	H (m) = Total head													
GKN8 300-143G-0250Z-60	25	13,6	10,4	10,1	9,7	9,2	8,6	7,3	5,7	4	2,3	-	-	-	
GKN8 300-143A-0340Z-60	34	18,9	14	13,5	12,9	12,4	11,8	10,4	8,8	7	5	2,9	-	-	
GKN8 300-143H-0250Z-R-60	25	13,6	10,4	10,1	9,7	9,2	8,6	7,3	5,7	4	2,3	-	-	-	
GKN8 300-143B-0340Z-R-60	34	18,9	14	13,5	12,9	12,4	11,8	10,4	8,8	7	5	2,9	-	-	
GKN8 350-163V-0340R-60	34	10,8	9,4	9,2	9	8,7	8,5	7,8	7	6,1	5,1	4	2,8	-	
GKN8 350-163O-0420R-60	42	14,7	-	12,6	12,3	12,1	11,8	11	10	8,8	7,4	6	4,7	3,3	
GKN8 350-163W-0340R-R-60	34	10,8	9,4	9,2	9	8,7	8,5	7,8	7	6,1	5,1	4	2,8	-	
GKN8 350-163P-0420R-R-60	42	14,7	-	12,6	12,3	12,1	11,8	11	10	8,8	7,4	6	4,7	3,3	

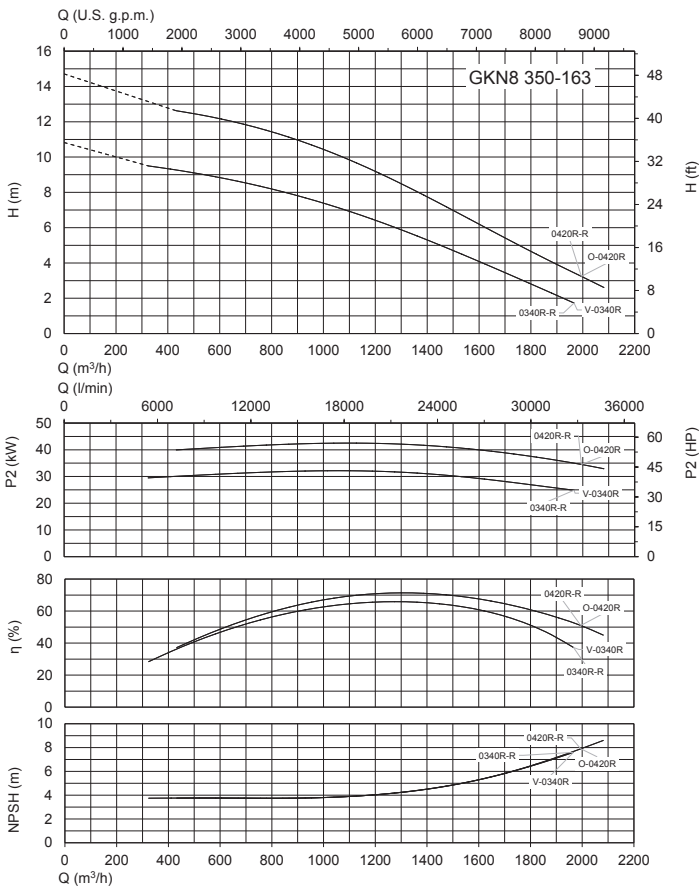
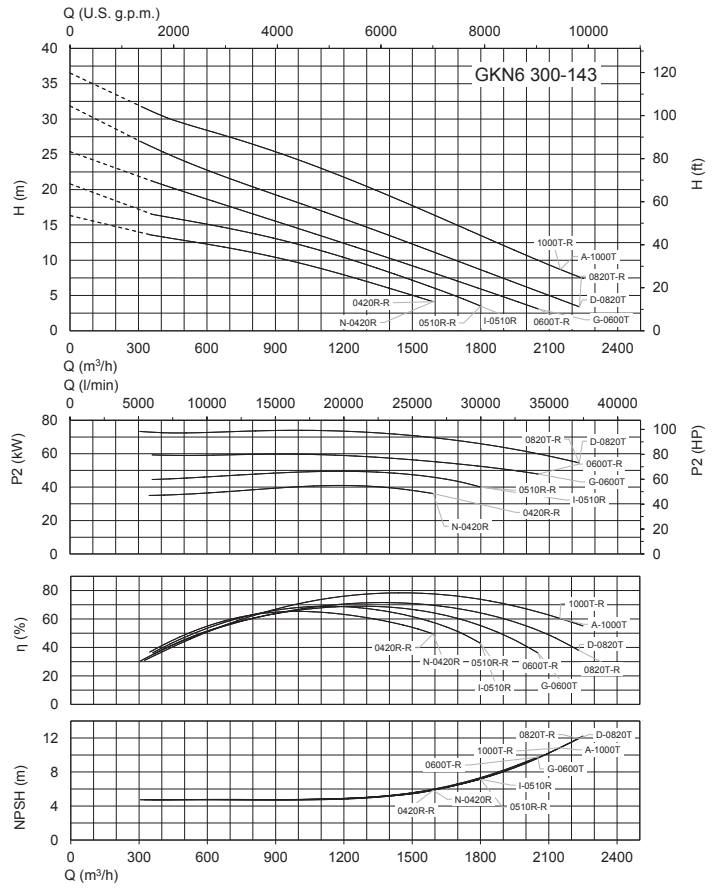
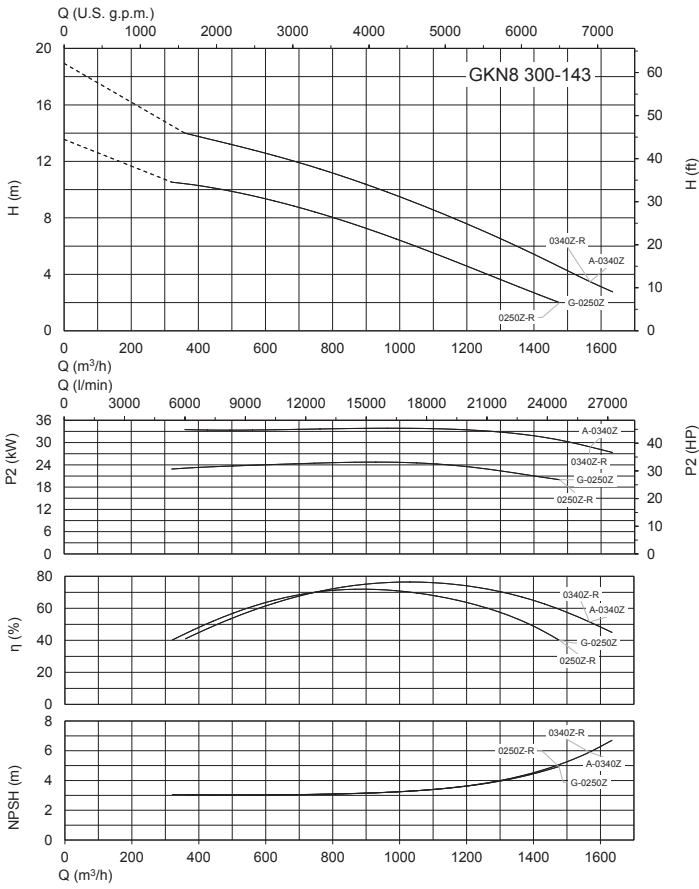
n ≈ 1150 1/min

Model	P2	Q = Flow																		
		m³/h	0	360	432	450	540	630	720	810	900	990	1080	1170	1260	1440	1620	1800	1980	2160
		l/min		6000	7200	7500	9000	10500	12000	13500	15000	16500	18000	19500	21000	24000	27000	30000	33000	36000
	kW	H (m) = Total head																		
GKN6 300-143N-0420R-60	42	16,3	13,6	-	13,1	12,6	12,1	11,6	-	10,4	-	9	-	7,4	5,6	-	-	-	-	
GKN6 300-143I-0510R-60	51	20,8	16,2	-	16	15,5	14,9	14,3	-	13,1	-	11,5	-	9,8	7,8	5,8	3,5	-	-	
GKN6 300-143P-0420R-R-60	42	16,3	13,6	-	13,1	12,6	12,1	11,6	-	10,4	-	9	-	7,4	5,6	-	-	-	-	
GKN6 300-143L-0510R-R-60	51	20,8	16,2	-	16	15,5	14,9	14,3	-	13,1	-	11,5	-	9,8	7,8	5,8	3,5	-	-	
GKN6 300-143G-0600T-60	60	25,4	-	20,4	-	19,3	18,3	17,4	16,5	15,5	14,6	13,7	12,7	11,8	9,9	7,9	5,9	3,9	-	
GKN6 300-143D-0820T-60	82	31,9	-	25	-	23,5	22,4	21,3	20,3	19,3	18,3	17,2	16,2	15,2	13	10,8	8,6	6,5	4,3	
GKN6 300-143A-1000T-60	100	36,5	-	30,1	-	29	28,1	27,3	26,3	25,4	24,3	23,3	22,1	21	18,6	16,1	13,5	11	8,5	
GKN6 300-143H-0600T-R-60	60	25,4	-	20,4	-	19,3	18,3	17,4	16,5	15,5	14,6	13,7	12,7	11,8	9,9	7,9	5,9	3,9	-	
GKN6 300-143E-0820T-R-60	82	31,9	-	25	-	23,5	22,4	21,3	20,3	19,3	18,3	17,2	16,2	15,2	13	10,8	8,6	6,5	4,3	
GKN6 300-143B-1000T-R-60	100	36,5	-	30,1	-	29	28,1	27,3	26,3	25,4	24,3	23,3	22,1	21	18,6	16,1	13,5	11	8,5	

Characteristic curves



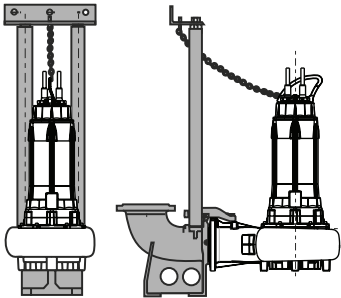
Characteristic curves



Dimensions and weights

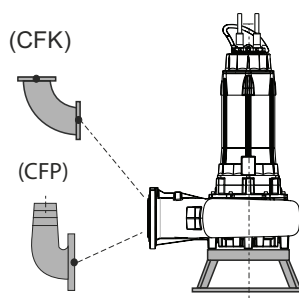
Duck foot coupling

SAK



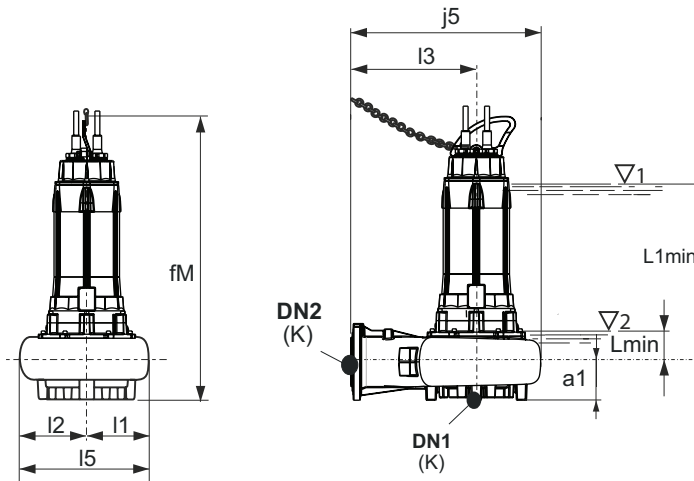
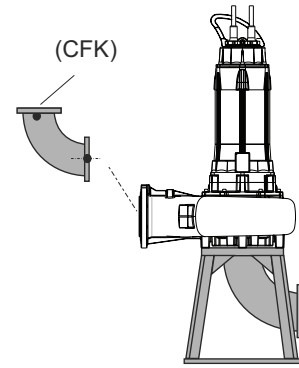
Submersible pump rest

APK



Dry chamber pump rest

APCK



TYPE	mm										Kg
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min	Lmin	Weight
GKN6 200-100L-0075N-60	200	200	170	840	240	340	550	580	446	120	235

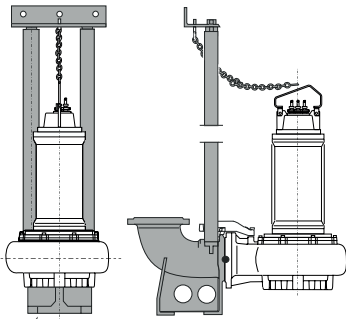
TYPE	mm										Kg
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min	Lmin	Weight
GKN6 250-115G-0195P-60	250	250	200	843	282	404	500	686	820	199	521.4

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 weights

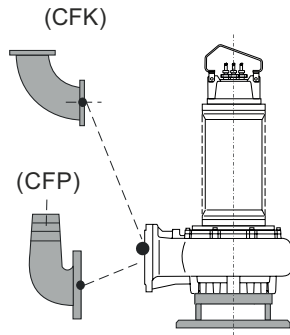
Duck foot coupling

SAK



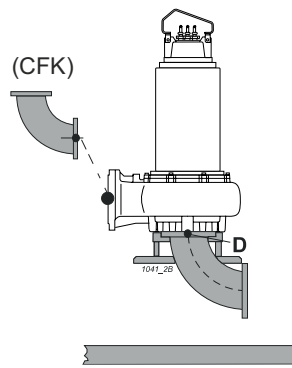
Submersible pump rest

APK



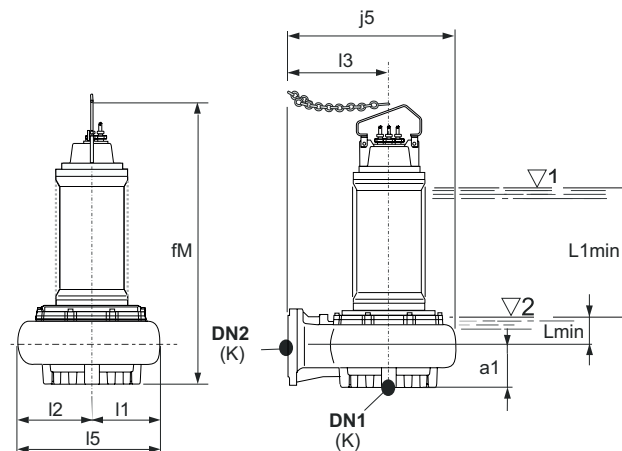
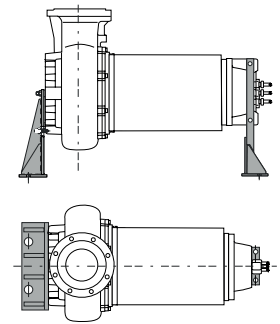
Dry chamber pump rest

APCK



Dry chamber pump support

SOK



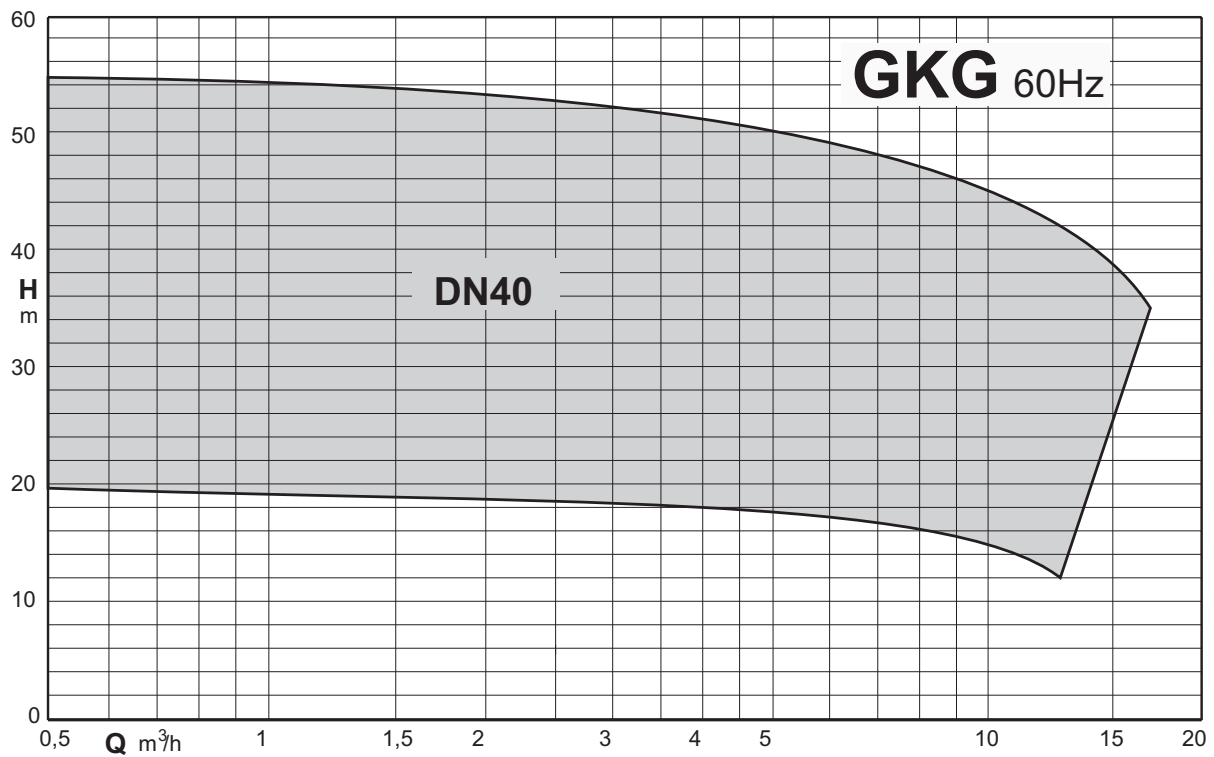
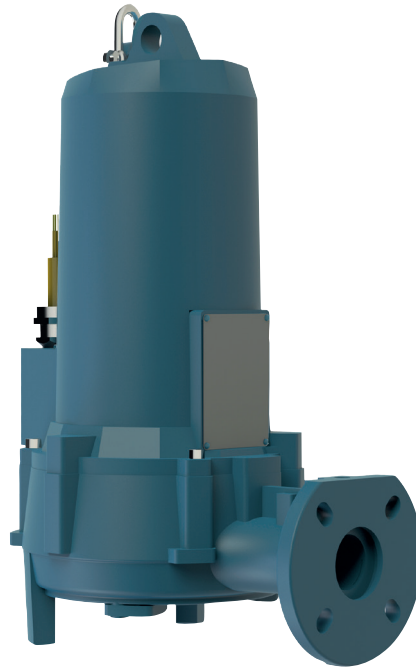
TYPE	mm										Kg Weight
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min	Lmin	
GKN8 300-143H-0250Z-R-60	300	300	230	1030	340	480	620	820	910	165	898
GKN8 300-143B-0340Z-R-60	300	300	230	1030	340	480	620	820	910	165	912
GKN8 300-143G-0250Z-60	300	300	230	1030	340	480	620	820	910	165	-
GKN8 300-143A-0340Z-60	300	300	230	1030	340	480	620	820	910	165	-

TYPE	mm										Kg Weight
	DN1	DN2	a1	j5	l1	l2	l5	l5	L1min	Lmin	
GKN6 300-143N-0420R-60	300	300	230	1030	340	480	620	820	910	165	783
GKN6 300-143I-0510R-60	300	300	230	1030	340	480	620	820	910	165	-
GKN6 300-143P-0420R-R-60	300	300	230	1030	340	480	620	820	910	165	-
GKN6 300-143L-0510R-R-60	300	300	230	1030	340	480	620	820	910	165	1039
GKN6 300-143G-0600T-60	300	300	230	1030	340	480	620	820	1140	155	1308
GKN6 300-143D-0820T-60	300	300	230	1030	340	480	620	820	1140	155	1380
GKN6 300-143A-1000T-60	300	300	230	1030	340	480	620	820	1140	155	1442
GKN6 300-143H-0600T-R-60	300	300	230	1030	340	480	620	820	1140	155	1542
GKN6 300-143E-0820T-R-60	300	300	230	1030	340	480	620	820	1140	155	1613
GKN6 300-143B-1000T-R-60	300	300	230	1030	340	480	620	820	1140	155	1675

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)

GKG 60 Hz



Submersible pumps with high power grinder

GKG 60 Hz



Construction

Submersible pumps with high cutting power shredder system.
 Made of very hard stainless steel, the shape of the shredder ensures long-life and fade-free shredding capacity.
 No particular tools are required to replace this part.
 Delivery port DN 40.

Applications

To move water containing long filamentary materials, paper or textile material. They are particularly suitable for the disposal of waste water in domestic, residential and industrial use.
 Solid passage 4 mm.

Operating conditions

Liquid temperature up 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: 6 ÷ 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 2.4 poles, 60Hz
Three-phase version: 460V ± 10% up to 4.8 kW
 460/795V ± 10% from 5.8 kW
 Isolation class: H
 Degree of protection: IP 68
 Max number of starts per hour: 20 at regular intervals
 Cable: length 10m
 Direction of rotation: clockwise top view
 Motor suitable for operation with frequency converter.

Designation

GKG2 40-4T-0020-60
 GK = Series
 G = Impeller with shredder system
 2 = Number of poles
 40 = Delivery port diameter in mm
 4 = Free passage in mm
 T = Impeller trim
 0020 = Motor size kW x 10
 60 = Frequency 60 Hz

Technical data

TYPE	Dry chamber version		Probes		Cable		Class	Duck foot coupling	Duck foot coupling	Threaded bend
	Vertical	Horizontal	thermal	conductivity	NSSHOU-J	H07RN-F	Isolation			
GKG2 40-4M-0020F-60	-	-	o	o	-	•	H	SAK 40-G11/2A	SAK 40-G11/2-3/4	CFF 1 1/2"
GKG2 40-4I-0020F-60	-	-	o	o	-	•	H	SAK 40-G11/2A	SAK 40-G11/2-3/4	CFF 1 1/2"
GKG2 40-4G-0025F-60	-	-	o	o	-	•	H	SAK 40-G11/2A	SAK 40-G11/2-3/4	CFF 1 1/2"
GKG2 40-4N-0038H-60	-	-	o	o	-	•	H	SAK 40-G11/2A	SAK 40-G11/2-3/4	CFF 1 1/2"
GKG2 40-4M-0048H-60	-	-	o	o	-	•	H	SAK 40-G11/2A	SAK 40-G11/2-3/4	CFF 1 1/2"
GKG2 40-4I-0048H-60	-	-	o	o	-	•	H	SAK 40-G11/2A	SAK 40-G11/2-3/4	CFF 1 1/2"
GKG2 40-4I-0065H-60	•	•	•	•	•	-	H	SAK 40-G11/2A	SAK 40-G11/2-3/4	CFF 1 1/2"
GKG2 40-4G-0065H-60	•	•	•	•	•	-	H	SAK 40-G11/2A	SAK 40-G11/2-3/4	CFF 1 1/2"

• = Standard - = Not present o = Optional

GKG 60 Hz

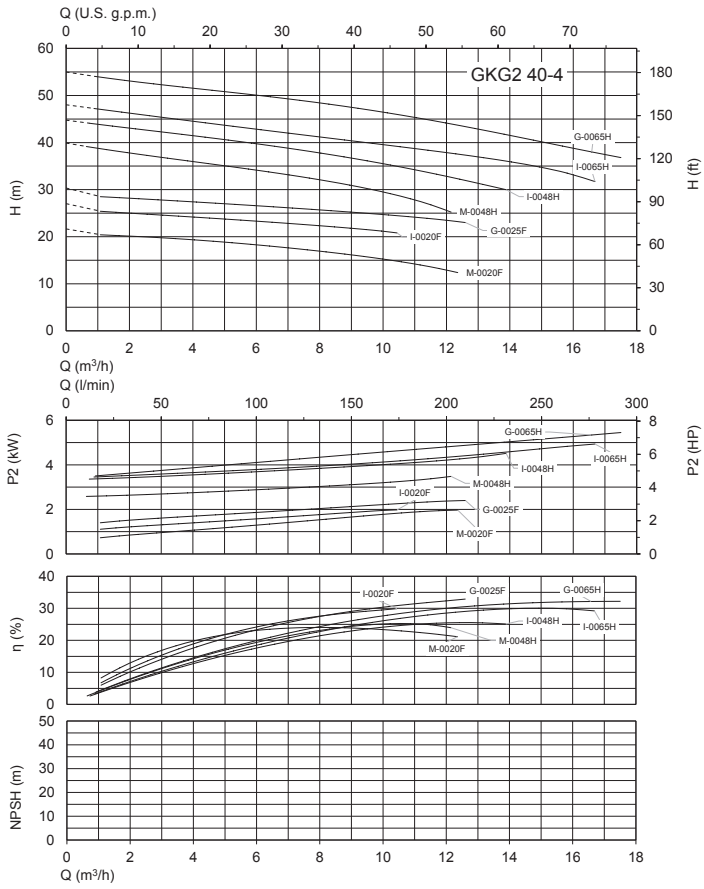


Performance

n ≈ 3450 1/min

Model	P2	Q = Flow											
		m³/h	0	1,4	1,8	2,2	2,5	2,9	3,2	3,6	7,2	10,8	14,4
	l/min	0	23,33	30	36,66	41,66	48,33	53,33	60	120	180	240	
	kW	H (m) = Total head											
GKG2 40-4M-0020F-60	2	21,6	20,3	20,2	20,1	19,9	19,8	19,7	19,5	17,5	14,4	-	-
GKG2 40-4I-0020F-60	2	27	25,2	25,1	24,9	24,8	24,6	24,5	24,3	22,7	-	-	-
GKG2 40-4G-0025F-60	2,5	30,3	28,4	28,2	28,1	28	27,8	27,7	27,6	26,1	24,3	-	-
GKG2 40-4M-0048H-60	4,8	39,9	38,3	38	37,6	37,3	37	36,6	36,3	32,9	28,2	-	-
GKG2 40-4I-0048H-60	4,8	44,7	43,5	43,2	42,9	42,7	42,4	42,1	41,8	38,6	34,5	-	-
GKG2 40-4I-0065H-60	6,5	48	46,7	46,4	46,1	45,8	45,5	45,2	44,9	41,9	38,9	35,5	-
GKG2 40-4G-0065H-60	6,5	55	53,6	53,3	53	52,7	52,4	52,1	51,8	49,1	45,6	41	-

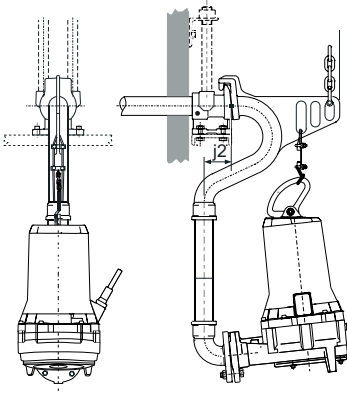
Characteristic curves



Dimensions and weights

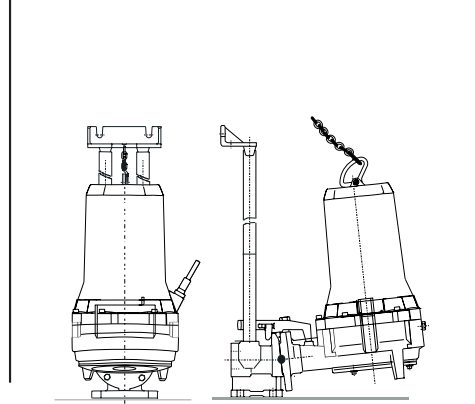
Duck foot coupling

SAK 40-G11/2A



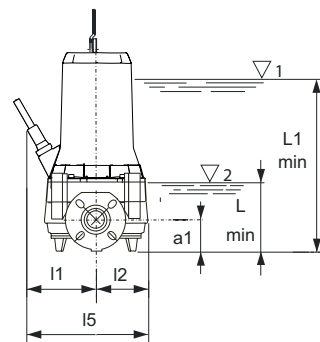
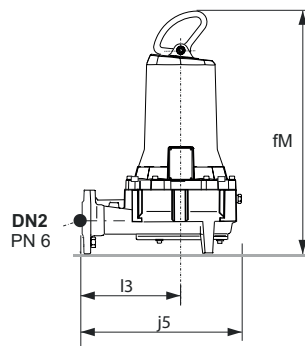
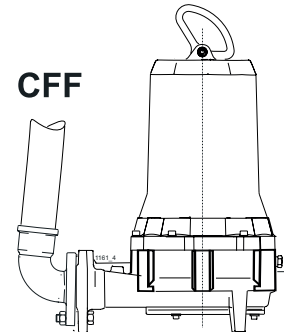
Submersible pump rest

SAK 40-G11/2-3/4



Submersible pump with bend

CFF

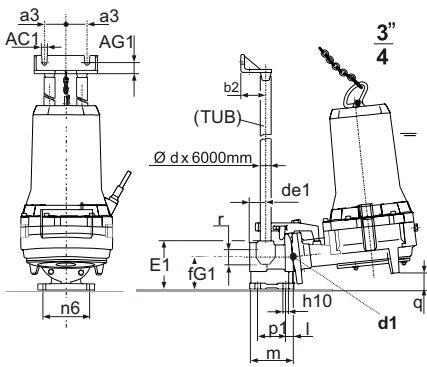


TYPE	DN2	mm								Kg	
		a1	fM	j5	l1	l2	l5	l5	L1min	Lmin	Weight
GKG2 40-4I-0020F-60	40	73	476	338	112	112	200	224	261	61	52
GKG2 40-4G-0025F-60	40	73	476	338	112	112	200	224	261	61	54
GKG2 40-4M-0048H-60	40	73	571	373	204.5	136.5	240	341	317	49	81.5
GKG2 40-4I-0048H-60	40	73	571	373	204.5	136.5	240	341	317	49	81.6
GKG2 40-4I-0065H-60	40	73	640	373	221	136.5	240	357.5	317	49	101.6
GKG2 40-4G-0065H-60	40	73	640	373	221	136.5	240	357.5	317	49	101.7

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

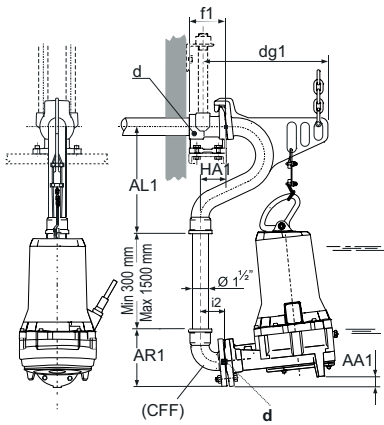
Lmin = Minimum submergence depth for motor without casing with intermittent duty S3 (NPSHR permitting)

Dimensions and weights



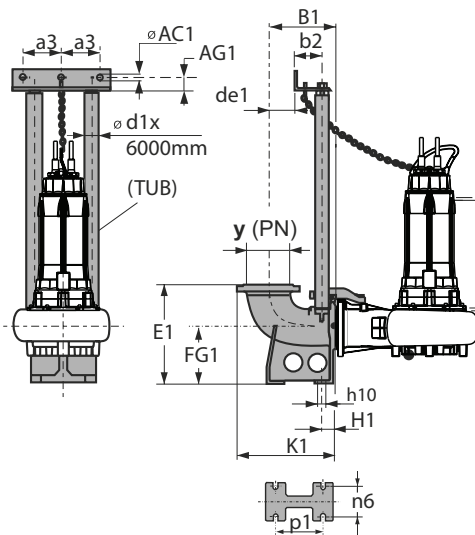
Duck foot coupling

TYPE	mm														
	a3	AC1	AG1	b2	d1	de1	E1	fG1	H1	h10	K1	n6	p1	q	y
SAK 40-G11/2-3/4	52.5	12	27	60	3/4"	40	120	80	21.5	14	113	115	70	37	G1 1/2"



Duck foot coupling

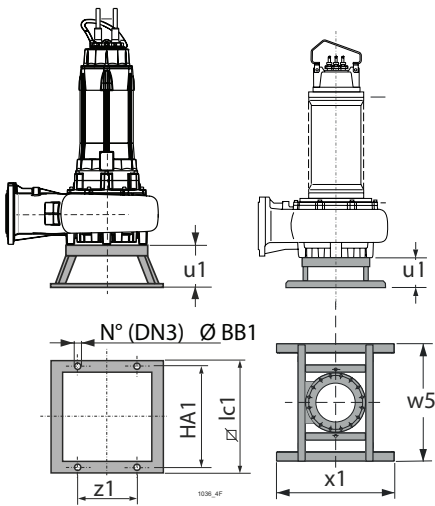
TYPE	mm						g3	HA1
	AA1	AL1	AR1	d	dg1	f1		
SAK 40-G11/2A	29	315	165	G1 1/2"	403	107	76	76



Duck foot coupling

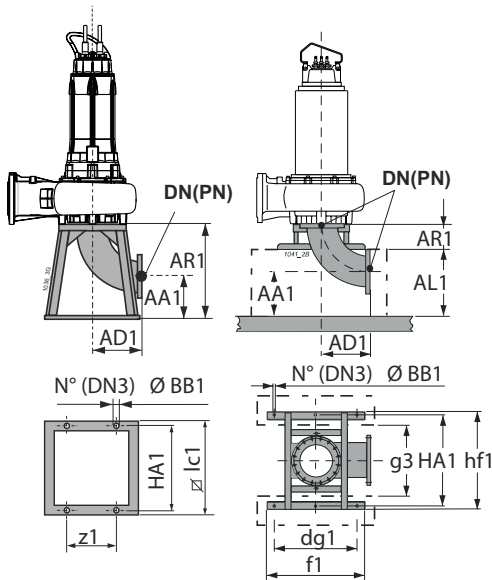
TYPE	mm															
	a3	AC1	AG1	B1	b2	d1	de1	E1	fG1	H1	h10	K1	n6	p1	y	PN
SAK 65-65-2	130	12.5	35	220	102	2"	40	280	160	47	18	312,5	110	156	65	16
SAK 65-80-2	130	12.5	35	220	102	2"	40	280	160	47	18	320	110	156	80	16
SAK 80-100-2	130	12.5	35	228	102	2"	48	320	180	47	18	338	110	156	100	16
SAK 80-80-2	130	12.5	35	220	102	2"	40	320	180	47	18	320	110	156	80	16
SAK 100-100-2	130	12.5	35	228	102	2"	48	430	280	49	18	338	194	186	100	16
SAK 100-100-2A	130	12.5	35	228	102	2"	48	350	200	49	18	338	135	186	100	16
SAK 150-150-2	158	12.5	35	260	102	2"	75	435	235	59	19	403	194	214	150	16
SAK 150-200-3	157.5	12.5	35	385	117	3"	180	540	290	80	24	555	210	280	200	10
SAK 200-250-3	157.5	12.5	35	425	117	3"	220	595	345	80	24	623	250	380	250	10
SAK 200-250-3	157.5	12.5	35	425	117	3"	220	595	345	80	24	623	250	380	250	10
SAK 250-300-3	157.5	12.5	35	450	117	3"	245	700	400	85	24	673	310	425	300	10
SAK 300-350-3	157.5	12.5	35	500	117	3"	295	820	500	90	24	755	360	475	350	10
SAK 350-400-3	157.5	12.5	35	525	117	3"	320	920	575	95	24	810	400	510	400	10
SAK 250-300-3A	157.5	12.5	35	450	117	3"	245	700	400	85	24	673	310	425	300	10
SAK 300-350-3A	157.5	12.5	35	500	117	3"	295	820	500	90	24	755	360	475	350	10
SAK 350-400-3A	157.5	12.5	35	525	117	3"	320	920	575	95	24	810	400	510	400	10

Dimensions and weights



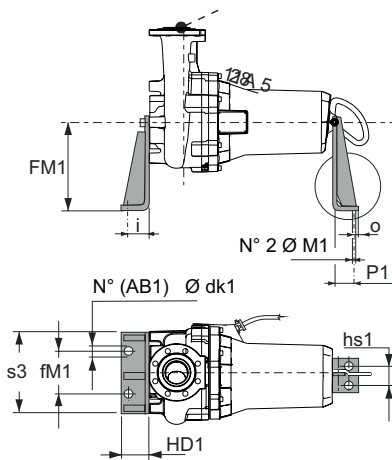
Submersible pump rest

TYPE	mm							
	BB1	DN3	HA1	lc1	u1	w5	x1	z1
APK 80	12	4	400	440	166	-	-	230
APK 100	14	4	600	650	180	-	-	350
APK 100A	14	4	600	650	180	-	-	350
APK 150	14	4	600	650	220	-	-	350
APK 150A	-	-	-	-	280	1000	1000	-
APK 250	14	4	600	650	220	-	-	350
APK 350	-	-	-	-	280	1000	1000	-



Dry chamber pump rest

TYPE	mm														
	DN	PN	AA1	AD1	AL1	AR1	BB1	dg1	DN3	f1	g3	HA1	hf1	lc1	z1
APCK 65	65	16	150	140	-	290	12	-	4	-	-	390	-	440	230
APCK 80	80	16	126	164	-	290	12	-	4	-	-	390	-	440	230
APCK 100	100	16	135	204	-	340	22	-	4	-	-	600	-	650	-
APCK 150	150	16	285	395	400	280	22	850	6	1000	740	935	1000	-	-
APCK 150A	150	16	205	395	-	600	22	-	4	-	-	600	-	650	-
APCK 200	200	10	290	310	-	600	22	-	4	-	-	600	-	650	-
APCK 250	250	10	215	385	-	600	22	-	4	-	-	600	-	650	-
APCK 250A	250	10	295	385	400	280	22	850	6	1000	740	935	1000	-	-
APCK 300	300	10	320	465	500	280	22	850	6	1000	740	935	1000	-	-
APCK 350	350	10	345	540	600	280	22	850	6	1000	740	935	1000	-	-



Dry chamber pump support

TYPE	mm										
	AB1	c1	dk1	fM1	HD1	hs1	i	M1	o	P1	s3
SOK80/N3	2	400	22	270	100	100	66	22	34	43	400
SOK100/N3	2	400	22	320	100	100	66	22	34	43	470
SOK150/N3	2	400	22	320	100	100	66	22	34	43	470
SOK150-200	3	530	22	335	160	270	100	22	40	85	-
SOK150-225	3	530	22	335	160	270	100	22	40	85	-
SOK150-250	3	530	22	335	160	270	100	22	40	85	-
SOK350-200	3	530	22	500	160	270	100	22	40	85	-
SOK350-225	3	530	22	500	160	270	100	22	40	85	-
SOK350-250	3	530	22	500	160	270	100	22	40	85	-
SOK 350-280	3	530	22	500	160	270	100	22	100	20	-
SOK 350-315	3	530	22	500	160	270	100	22	100	20	-