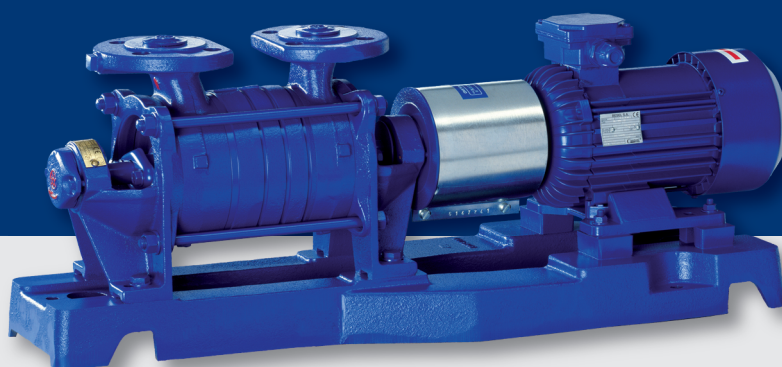


Self-priming pumps



HYDRO-VACUUM[®] S.A.

Self-priming pumps
SK type

Pumps of SK type are distinguished in this constructional group of pumps by high energy efficiency results from application of own, original and patented constructional solutions, in particular the lack of interstage chambers, elimination which permits to achieve so good technical – operational indexes. Beside high efficiency the rigidity and pump life is increased. The length and weight is reduced.

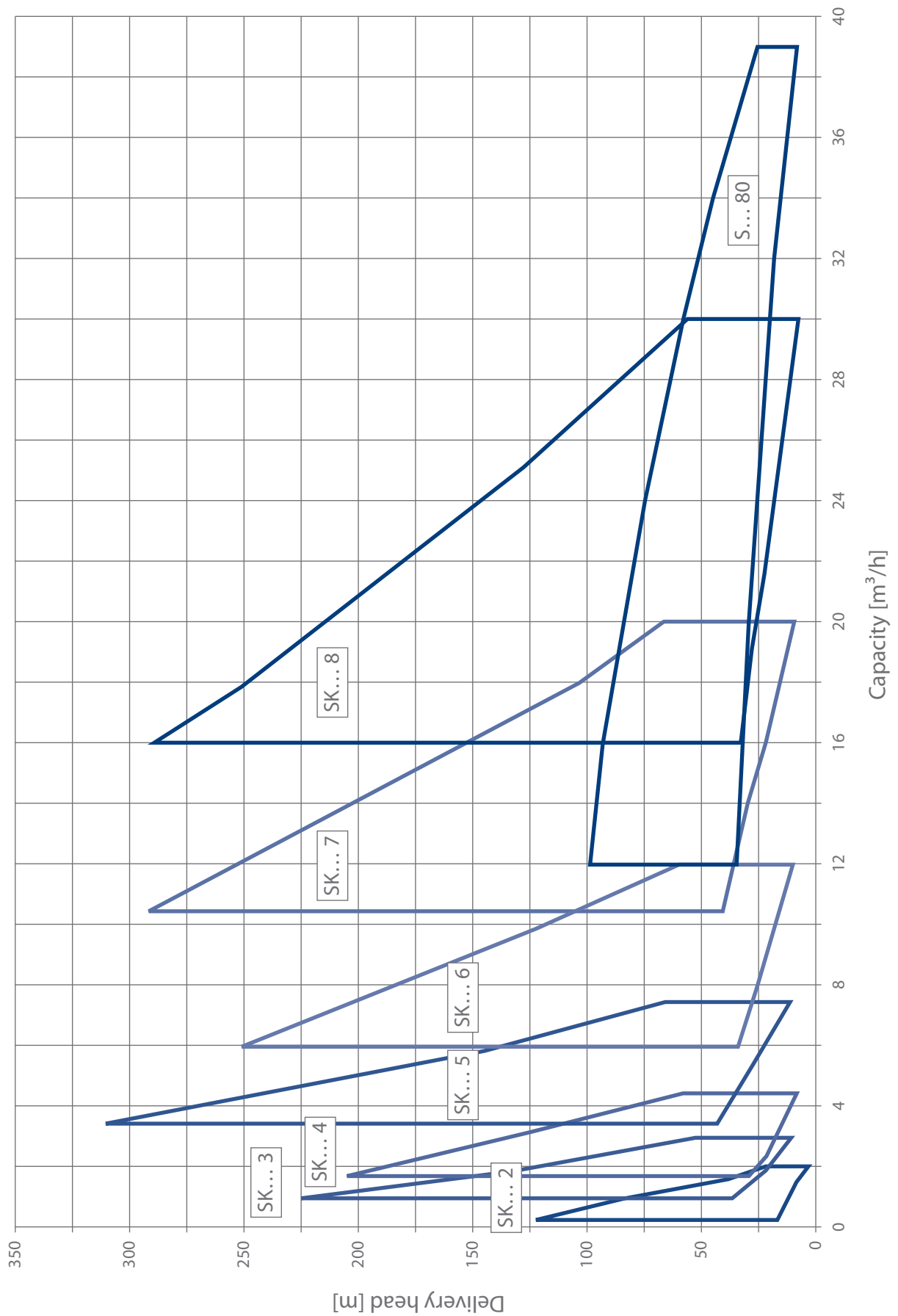
Our company has over 70 years experience in self-priming side-channel pumps production. Our pumps are object of permanent export to European and other countries. Production of our pumps is subject of classification supervision of shipping and foreign societies as **LLOYD'S REGISTER OF SHIPPING, POLISH REGISTER OF SHIPPING, MRS, GERMANISCHER LLOYD, AMERICAN BUREAU OF SHIPPING.**

All products possess all essential attestations (for pumping drinking water and for household needs), certificates and certificates of safety.

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Operation areas of SK and S pumps



General information

Self-priming rotodynamic pumps of SKA type, with a side ring-shaped channel and opened impeller are designed for pumping liquids in the scope of corrosion resistance for materials used for pump's construction. It is permitted to pump liquid of temperature up to 110°C, viscosity up to 150 mm²/s polluted with indelible solid particles of size up to 0,5 mm in trace amounts. Pumps can work with motors of frequency 50–60 Hz.

Pumps of SKA type are used in water supply systems, individual households and industry.

Technical data

Capacity	0.3 ÷ 30 m ³ /h
Delivery head	to 310 m*
Pumped liquid temperature	to 110°C
Liquid density	to 1300 kg/m ³
Liquid viscosity	to 150 mm ² /s
Weight	34.0 ÷ 409.0 kg
Motor power	0.55 ÷ 30.0 kW
Rotational speed	1450 r.p.m.**/min (50 Hz) i 1800 r.p.m./min (60 Hz)
Rotation direction	clockwise looking on pumps from the drive side
Shaft seal	cord seal or mechanical frontal seal

* for hot liquid from +70 to 110 pump delivery head is reduced about 10%; ** revolution per minute;

- for SKA.2 pumps permissible manometric pressure can not exceed 2,5 MPa
- for other pumps manometric pressure from 1 to 4 stages can not exceed 2,0 MPa, from 5 to 8 stages – 3,2 MPa
- for pumps with an oval flange from 1 to 4 stages permissible manometric pressure can not exceed 0,8 MPa

Product marking structure



- aa** Classification group
- f** Product variety (A – with ball bearing on suction and discharge side)
- b** Pump type size (2 ÷ 8)
- cc** Pump type dimension (number of stages – 1 ÷ 8)
- d** Pump material execution according to the point *Material execution*
- ee₁ee₂** Pump constructional execution according to the point *Constructional execution*
- h** Delivery completeness according to the point *Delivery completeness*
- iii** In-house marking of assembly with drive unit given by the manufacturer
- k** Product's cosmetics according to the point *Cosmetics (Protective coating)*

e – working temperature
e = 1 – working temperature –30°C +70°C
e = 2 – working temperature +70°C +110°C
e₁ – kind of mechanical seal
e₂ – reserve always marked with number "0"
 Special executions for all *ee₁ee₂* are marked with number "9"

Example of correct pump marking: **SKA.2.05.2.1020.3.103.1**

Materials used in pump of SKA type construction

Pumps of SKA type are produced in six material executions

Pump's element	Material execution "d"					
	1	2	3	4	5	6
Casing	grey cast iron	tin bronze	grey cast iron	grey cast iron	cast carbon steel	austenitic cast steel
Members	grey cast iron	chromium cast iron	grey cast iron	chromium cast iron	cast carbon steel	austenitic cast steel
Impeller	tin bronze	tin bronze	cast carbon steel	tin bronze	tin bronze	special austenitic cast steel
Shaft	stainless steel	acid resistant steel	stainless steel	acid resistant steel	stainless steel	acid resistant steel
Shaft seal	soft cord* / mechanical end-face*					

* choice of seal material depends on pumped medium

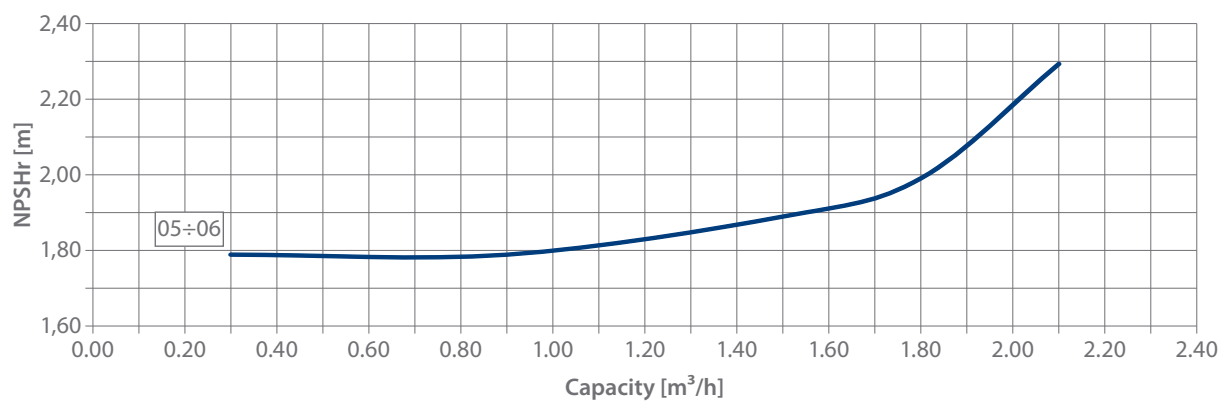
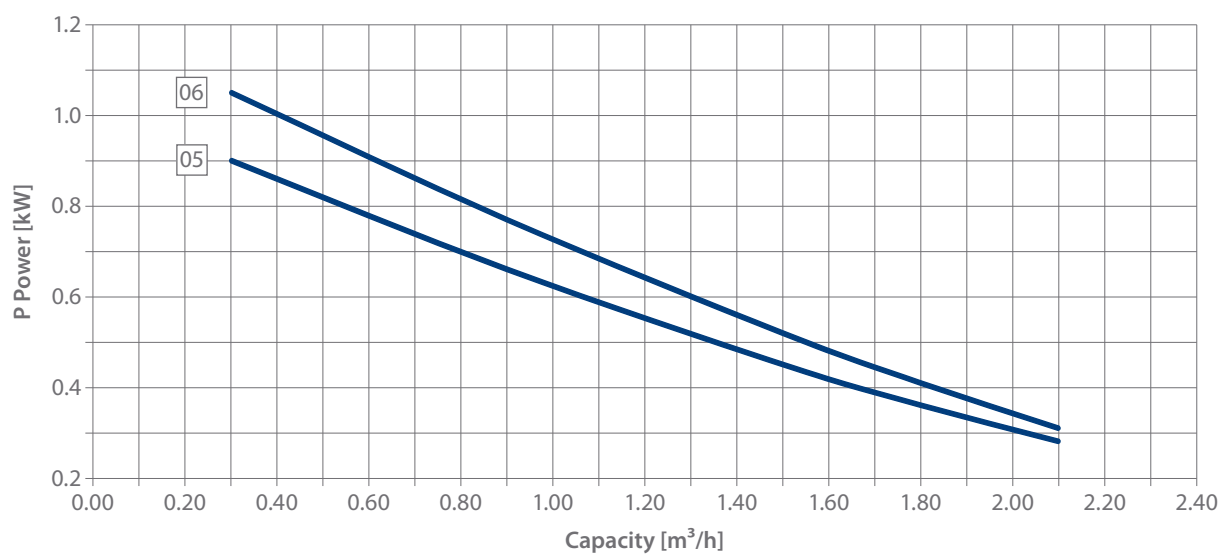
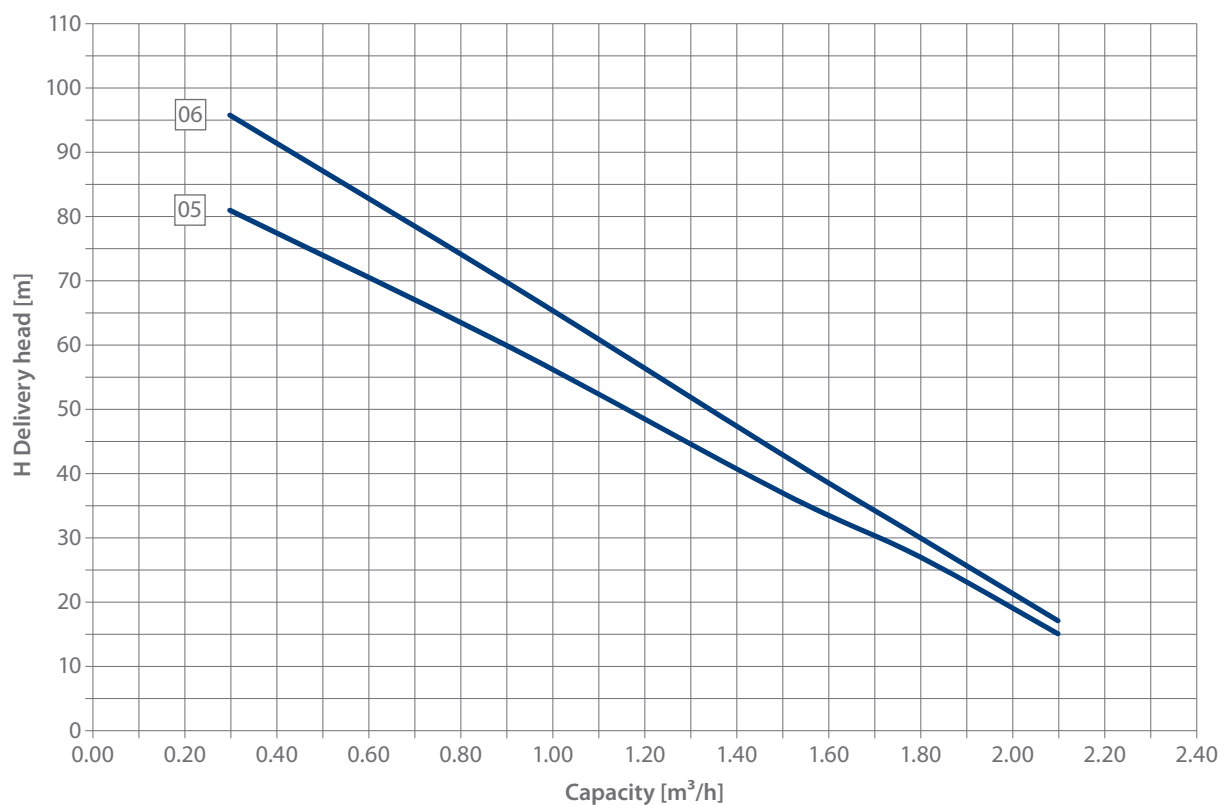
Delivery completeness

No of completeness	
1	pump with free shaft's end
2	pump with coupling
3	pump with coupling and foundation plate
4	monoblock (concerns SM pumps exclusively)
5	completeness 3 plus electric motor
6	monoblock pump with base

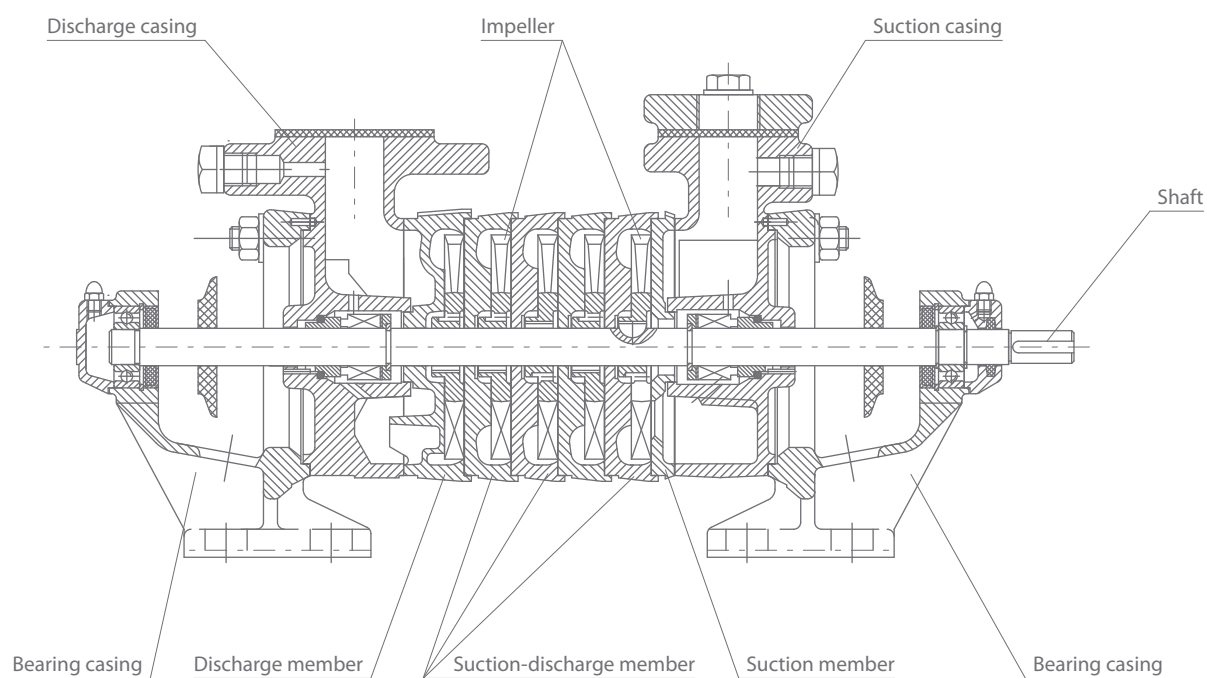
Constructional execution used in pumps

No. of constructional execution				Name of constructional execution				SKA pumps							
								2	3	4	5	6	7	8	
e	e ₁	e ₁	e ₂												
1010	Pump with cord seal for liquids of temperature −30°C ÷ +70°C					×	×	×	×	×	×	×			
1020	Pump with cord seal for liquids of temperature −30°C ÷ +70°C				×										
1040	Pump with cord seal with chamber for liquids of temperature −30°C ÷ +70°C				×	×	×	×	×	×	×	×			
1050	Pump with cord seal and circulation pipe for liquids of temperature −30°C ÷ +70°C				×	×	×	×	×	×	×				
1060	Pump with cord seal – hydrophore pump for liquids of temperature −0°C ÷ +40°C (concerns 01 ÷ 02 stages)					×	×								
1100	Pump with A1 type single end-face seal for liquids of temperature −30°C ÷ +70°C				×	×	×	×	×						
1110	Pump with V type single end-face seal for liquids of temperature −30°C ÷ +70°C					×	×	×	×	×	×	×			
1120	Pumps with single end-face seal of V-type at suction side, of VB-type on discharge side for liquids of temperature −30°C ÷ 70°C					×	×	×	×	×	×	×			
1170	Pump with single end-face seal of 2100 type for liquids of temperature −30°C ÷ +70°C				×										
1230	Pump with single end-face seal of 58U type for liquids of temperature −30°C ÷ +70°C					×	×				×	×			
1350	Pump with single end-face seal of A1 type with Quenching for liquids of temperature −30°C ÷ +70°C				×	×	×	×	×						
1360	Pump with single end-face seal of V type with Quenching for liquids of temperature −30°C ÷ +70°C					×	×	×	×	×	×	×			
1370	Pump with single end-face seal of V type on suction side and VB-type on discharge side with Quenching for liquids of temperature −30°C ÷ +70°C					×	×	×	×	×	×	×			
1420	Pump with single end-face seal of 2100 type with Quenching for liquids of temperature −30°C ÷ +70°C				×										
1600	Pump with double end-face seal in BACK TO BACK housing of V+V type with barrier liquid for liquids of temperatures −30°C ÷ +70°C				×	×	×	×	×	×	×	×			
1610	Pump with double end-face seal in BACK TO BACK housing of V+VB type with barrier liquid for liquids of temperature −30°C ÷ +70°C					×	×	×	×	×	×	×			
2020	Pump with cord seal for liquids of temperature +70°C ÷ +110°C				×	×	×	×	×	×	×	×			
2040	Pump with cord seal with chamber for liquids of temperature +70°C ÷ +110°C				×	×	×	×	×	×	×	×			
2100	Pump with single end-face seal of A1 type for liquids of temperature +70°C ÷ +110°C				×	×	×	×	×						
2110	Pump with single end-face seal of V type for liquids of temperature +70°C ÷ +110°C					×	×	×	×	×	×	×			
2120	Pump with single end-face seal of V type on suction side and VB type on discharge side for liquids of temperature +70°C ÷ +110°C					×	×	×	×	×	×	×			
2170	Pump with single end-face seal of 2100 type for liquids of temperature +70°C ÷ +110°C				×										
2230	Pump with single end-face seal of 58U type for liquids of temperature +70°C ÷ +110°C					×	×				×	×			
2350	Pump with single end-face seal of A1 type with Quenching for liquids of temperature +70°C ÷ +110°C				×	×	×	×	×						
2360	Pump with single end-face seal of V type with Quenching for liquids of temperature +70°C ÷ +110°C					×	×	×	×	×	×	×			
2370	Pump with single end-face seal of V type on suction side and VB type on discharge side with Quenching for liquids of temperature +70°C ÷ +110°C					×	×	×	×	×	×	×			
2420	Pump with single end-face seal of 2100 type with Quenching for liquids of temperature +70°C ÷ +110°C				×										
2600	Pump with double end-face seal, in BACK TO BACK system of V+V type with barrier liquid for liquids of temperature +70°C ÷ +110°C				×	×	×	×	×	×	×	×			
2610	Pump with double end-face seal, in BACK TO BACK system of V+VB type with barrier liquid for liquids of temperature +70°C ÷ +110°C					×	×	×	×	×	×	×			

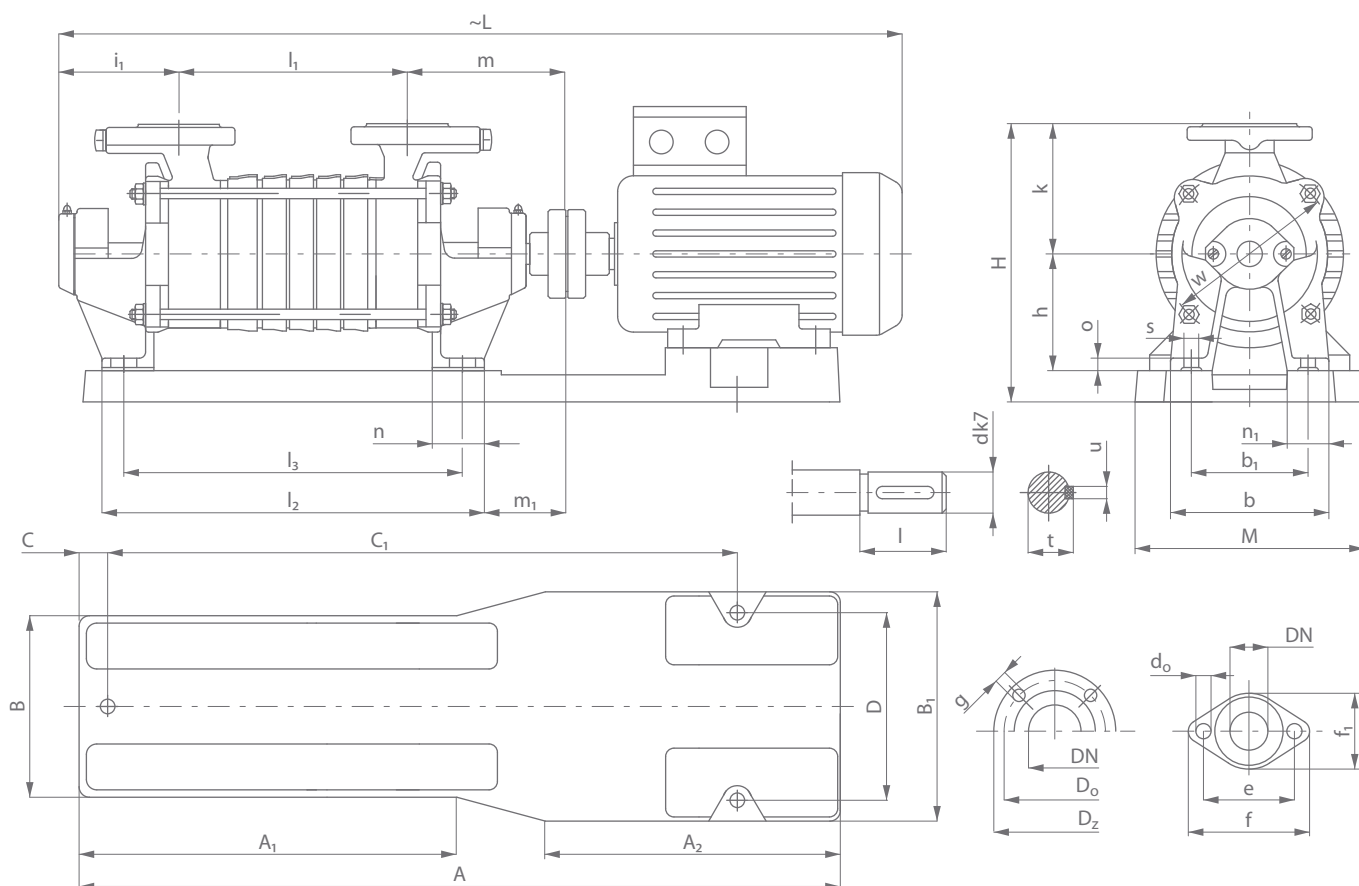
SKA.2 CHARACTERISTICS



Section of SKA.2 pump



Overall dimensions drawing of SKA.2



SKA.2 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
	[kg]				[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for $e_1e_2 = 02, 04, 05, 10, 17, 35, 42$													
SKA.2.05	14.2	15.2	30.2	40.5	EZ1	804B	0.55	230	60.59.01.1	68.40.03.1	225	226	694
SKA.2.05	14.2	15.2	30.2	42.0	EZ1	804C	0.75	230	60.59.01.1	68.40.03.1	225	226	716
SKA.2.05	14.2	15.7	30.7	52.0	EZ1	904S	1.1	230	60.59.01.1	68.40.03.1	225	256	771
SKA.2.05	14.2	15.7	30.7	64.0	EZ1	904L	1.5	230	60.59.01.1	68.40.03.1	235	250	842
SKA.2.05	14.2	15.2	30.2	38.0	EZ1	804A	0.55	400	60.59.01.1	68.40.03.1	225	233	673
SKA.2.05	14.2	15.2	30.2	40.0	EZ1	804B	0.75	400	60.59.01.1	68.40.03.1	225	233	693
SKA.2.05	14.2	15.7	30.7	43.0	EZ1	90S4	1.1	400	60.59.01.1	—	225	233	736
SKA.2.05	14.2	15.7	30.7	46.0	EZ1	90L4	1.5	400	60.59.01.1	—	225	233	762
SKA.2.06	15.5	16.5	31.5	42.0	EZ1	804B	0.55	230	60.59.01.1	68.40.03.1	225	226	714
SKA.2.06	15.5	16.5	31.5	43.50	EZ1	804C	0.75	230	60.59.01.1	68.40.03.1	225	226	736
SKA.2.06	15.5	17.0	32.0	53.50	EZ1	904S	1.1	230	60.59.01.1	—	225	260	791
SKA.2.06	15.5	17.0	32.0	65.0	EZ1	904L	1.5	230	60.59.01.1	68.40.03.1	235	250	862
SKA.2.06	15.5	16.5	31.5	39.50	EZ1	804A	0.55	400	60.59.01.1	68.40.03.1	225	233	693
SKA.2.06	15.5	16.5	31.5	41.50	EZ1	804B	0.75	400	60.59.01.1	68.40.03.1	225	233	713
SKA.2.06	15.5	17.0	32.0	44.0	EZ1	90S4	1.1	400	60.59.01.1	—	225	233	756
SKA.2.06	15.5	17.0	32.0	47.0	EZ1	90L4	1.5	400	60.59.01.1	—	225	233	782

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
	[kg]				[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for $e_1e_2 = 04, 35, 60$													
SKA.2.05	17.2	18.2	33.2	42.0	EZ1	804B	0.55	230	60.59.01.1	68.40.03.1	225	226	607
SKA.2.05	17.2	18.2	33.2	43.5	EZ1	804C	0.75	230	60.59.01.1	68.40.03.1	225	226	766
SKA.2.05	17.2	18.7	33.7	53.5	EZ1	904S	1.1	230	60.59.01.1	68.40.03.1	225	256	821
SKA.2.05	17.2	18.7	33.7	65.5	EZ1	904L	1.5	230	60.59.01.1	68.40.03.1	235	250	892
SKA.2.05	17.2	18.2	33.2	41.0	EZ1	804A	0.55	400	60.59.01.1	68.40.03.1	225	233	723
SKA.2.05	17.2	18.2	33.2	43.0	EZ1	804B	0.75	400	60.59.01.1	68.40.03.1	225	233	743
SKA.2.05	17.2	18.7	33.7	46.0	EZ1	90S4	1.1	400	60.59.01.1	—	225	233	786
SKA.2.05	17.2	18.7	33.7	49.0	EZ1	90L4	1.5	400	60.59.01.1	—	225	233	812
SKA.2.06	18.5	19.5	34.5	43.5	EZ1	804B	0.55	230	60.59.01.1	68.40.03.1	225	226	764
SKA.2.06	18.5	19.5	34.5	45.0	EZ1	804C	0.75	230	60.59.01.1	68.40.03.1	225	226	786
SKA.2.06	18.5	20.0	35.0	55.0	EZ1	904S	1.1	230	60.59.01.1	—	225	260	841
SKA.2.06	18.5	20.0	35.0	66.5	EZ1	904L	1.5	230	60.59.01.1	68.40.03.1	235	250	912
SKA.2.06	18.5	19.5	34.5	42.5	EZ1	804A	0.55	400	60.59.01.1	68.40.03.1	225	233	743
SKA.2.06	18.5	19.5	34.5	44.5	EZ1	804B	0.75	400	60.59.01.1	68.40.03.1	225	233	763
SKA.2.06	18.5	20.0	35.0	47.0	EZ1	90S4	1.1	400	60.59.01.1	—	225	233	806
SKA.2.06	18.5	20.0	35.0	50.0	EZ1	90L4	1.5	400	60.59.01.1	—	225	233	832



Table of capacity and absorbed power on the shaft SKA.2.05÷06

Pump marking	Capacity Q [m³/h]									
	0.3		0.9		1.5		1.8		2.1	
	Capacity Q [l/min]									
	5		15		25		30		35	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKA.2.05	81	0.90	60	0.66	37	0.45	27	0.36	15	0.28
SKA.2.06	96	1.05	70	0.77	43	0.52	30	0.41	17	0.31

Flange dimensions

Pump type dimension	DN	e	d ₀	f	f ₁
SKA.2	25	75	12	100	72

Counterflanges are delivered with pumps.

Threaded connection in the counterflange

G1 – SKA.2

Oval flange is applied in SKA.2.05 and 06 pumps in suction casing only.

Pump type dimension	DN	D ₀	D _Z	g	i
SKA.2	25	85	115	14	4

Round flange is applied in SKA.2.05 and 06 pumps in discharge casing only.

i – Quantity of holes

Pump dimension

Pump type size	for e ₁ e ₁ =	Pump												Shaft			
		b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	w	l	d	t	u
SKA.2	02, 04, 05, 10, 17, 35, 42	120	90	90	90	80	30	12	10	120	150	77	130	28	14	16	5
SKA.2	04, 35, 60	120	90	90	90	80	30	12	10	145	175	102	130	28	14	16	5

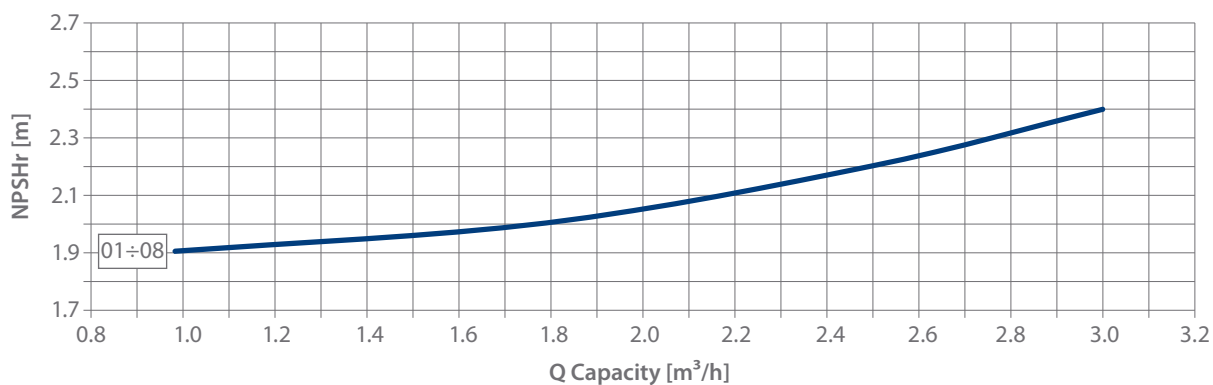
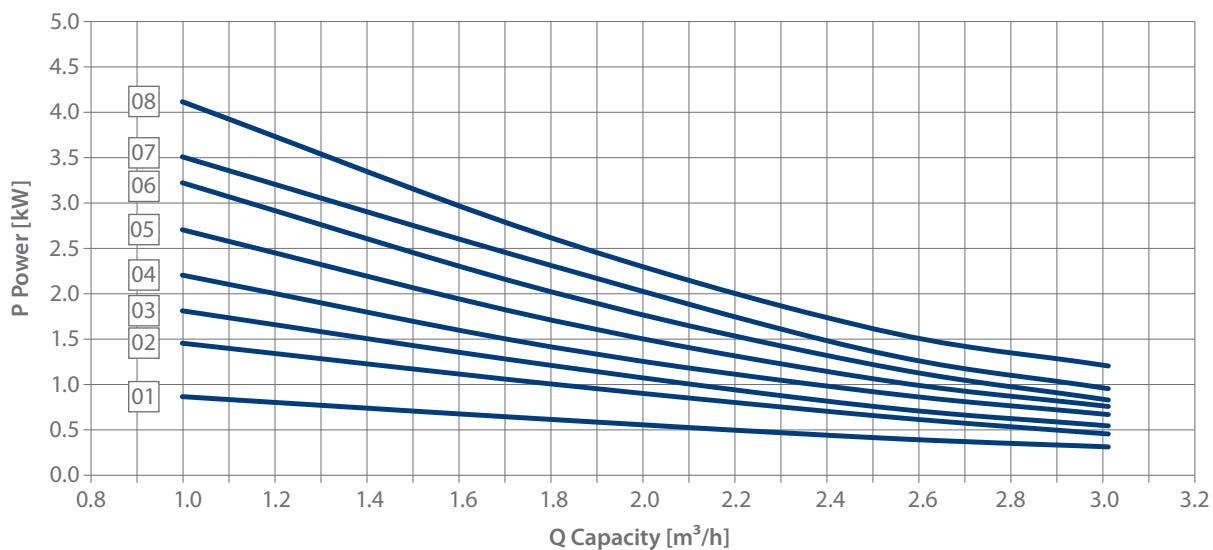
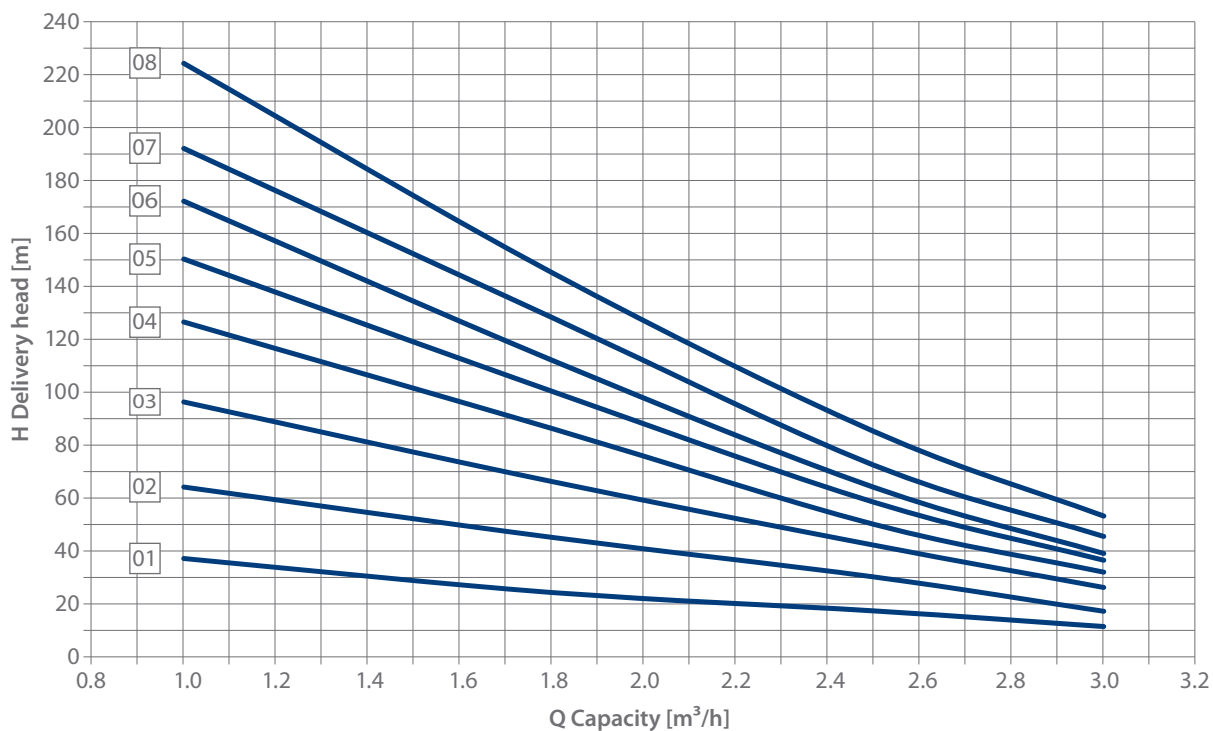
for e ₁ e ₁ = 02, 04, 05, 10, 17, 35, 42			
Dimension	l ₁	l ₂	l ₃
SKA.2.05	158	304	268
SKA.2.06	178	324	288

for e ₁ e ₁ = 04, 35, 60			
Dimension	l ₁	l ₂	l ₃
SKA.2.05	158	354	318
SKA.2.06	178	374	338

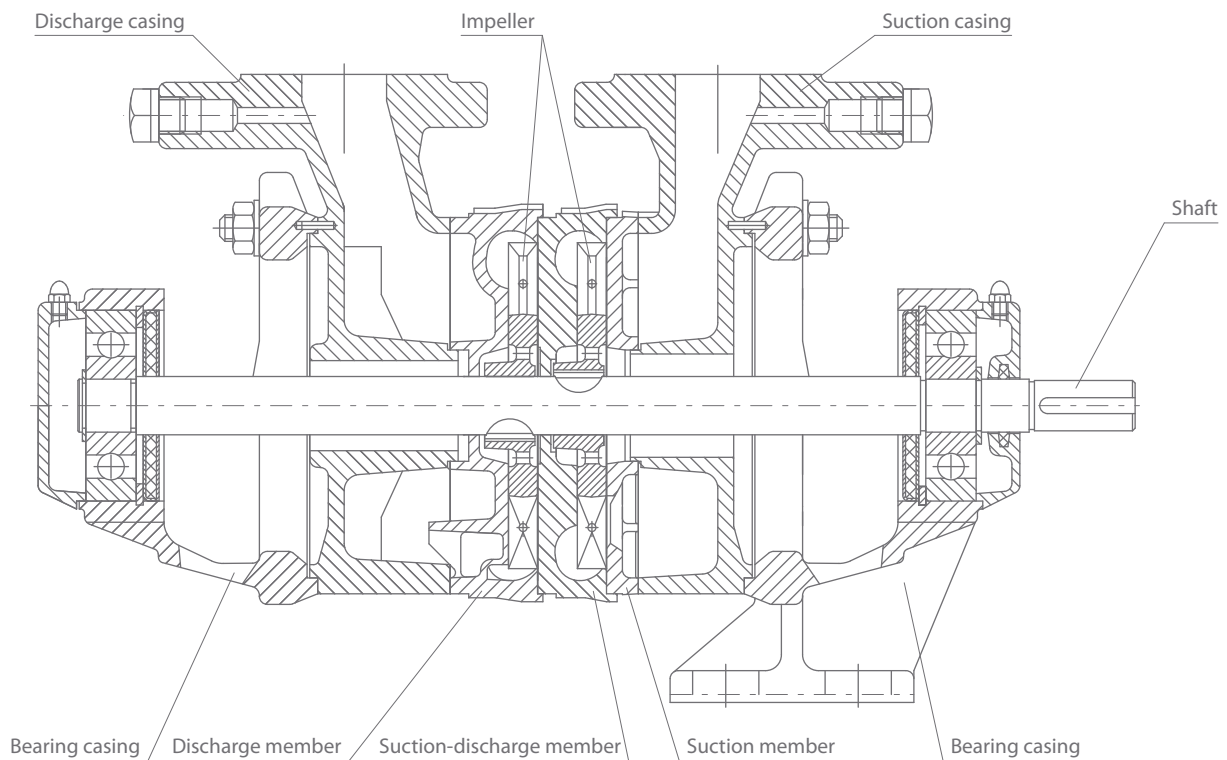
Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	F
60.59.01.1	742	242	230	130	220	72	560	178	14

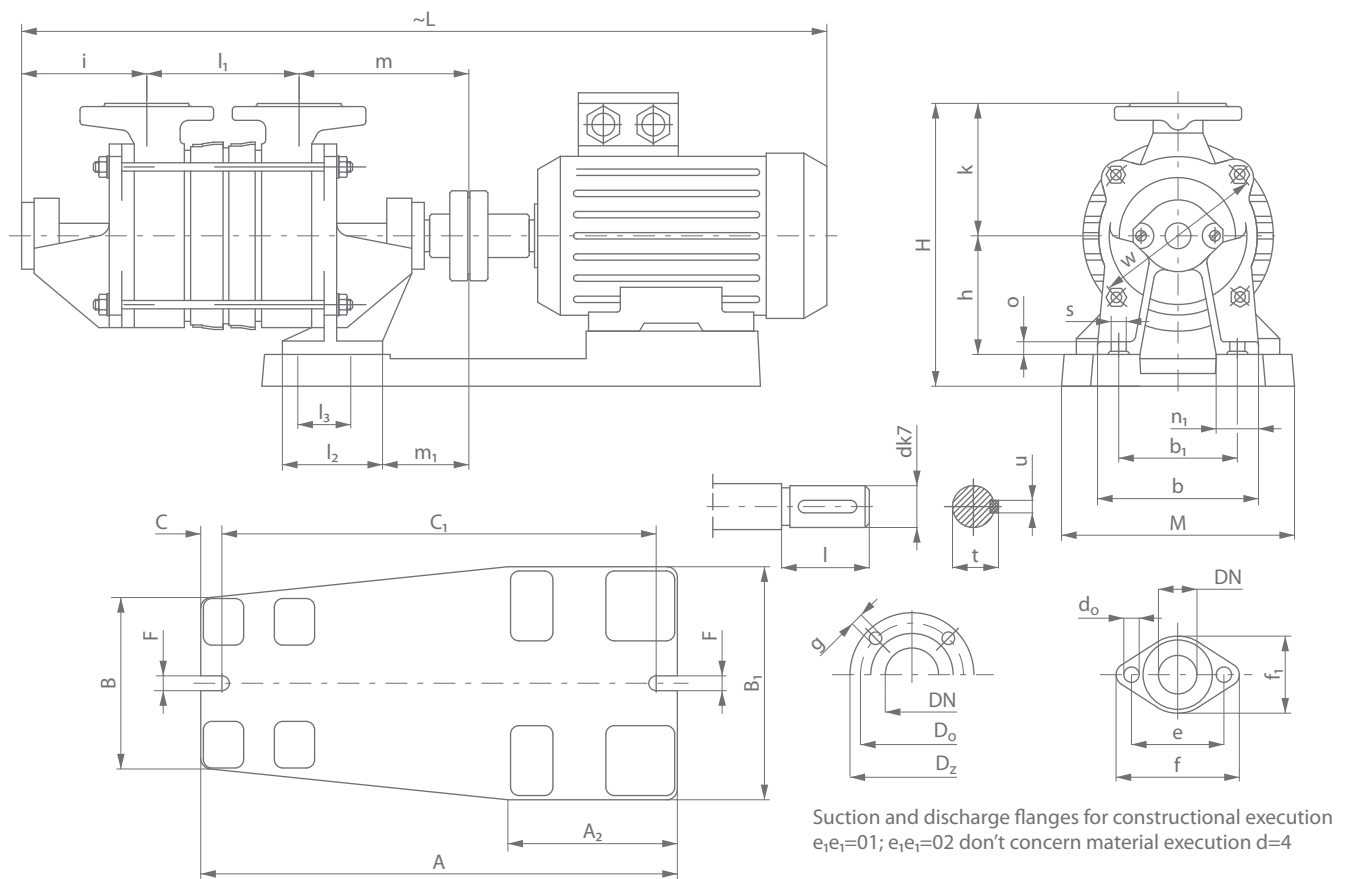
SKA.3 CHARACTERISTICS



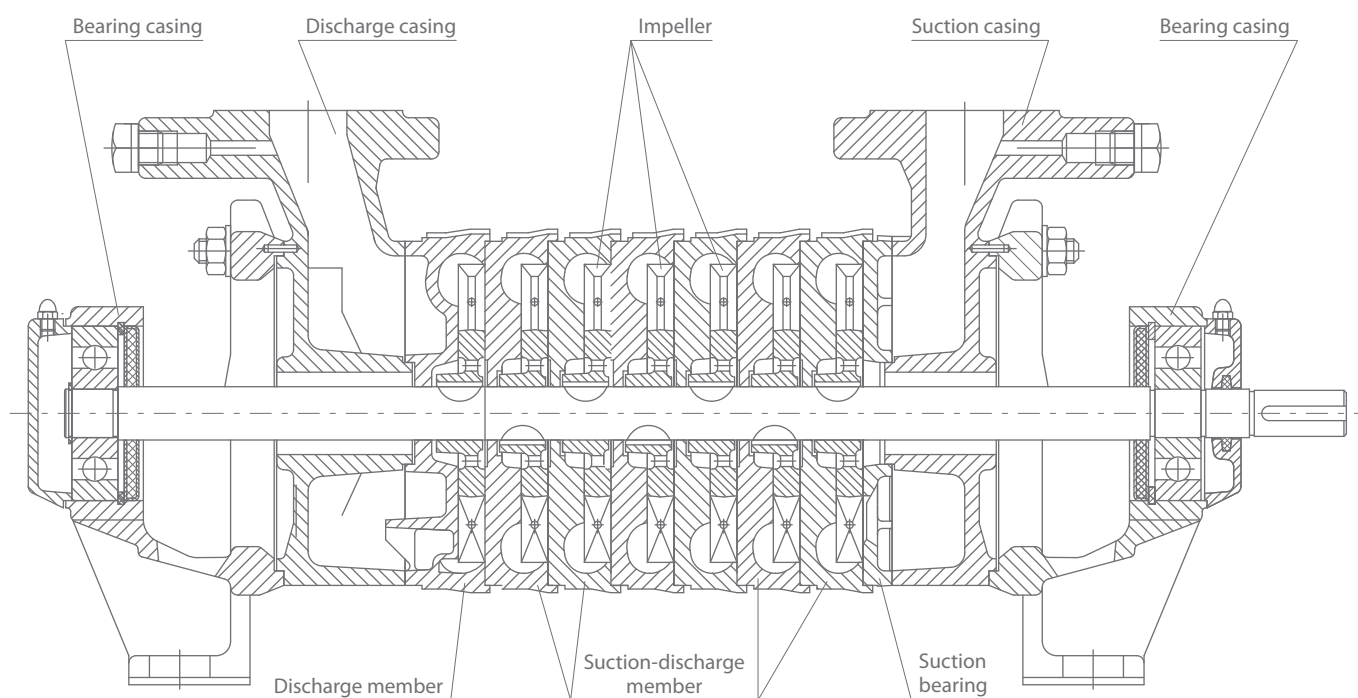
SKA.3.01÷02 pump section



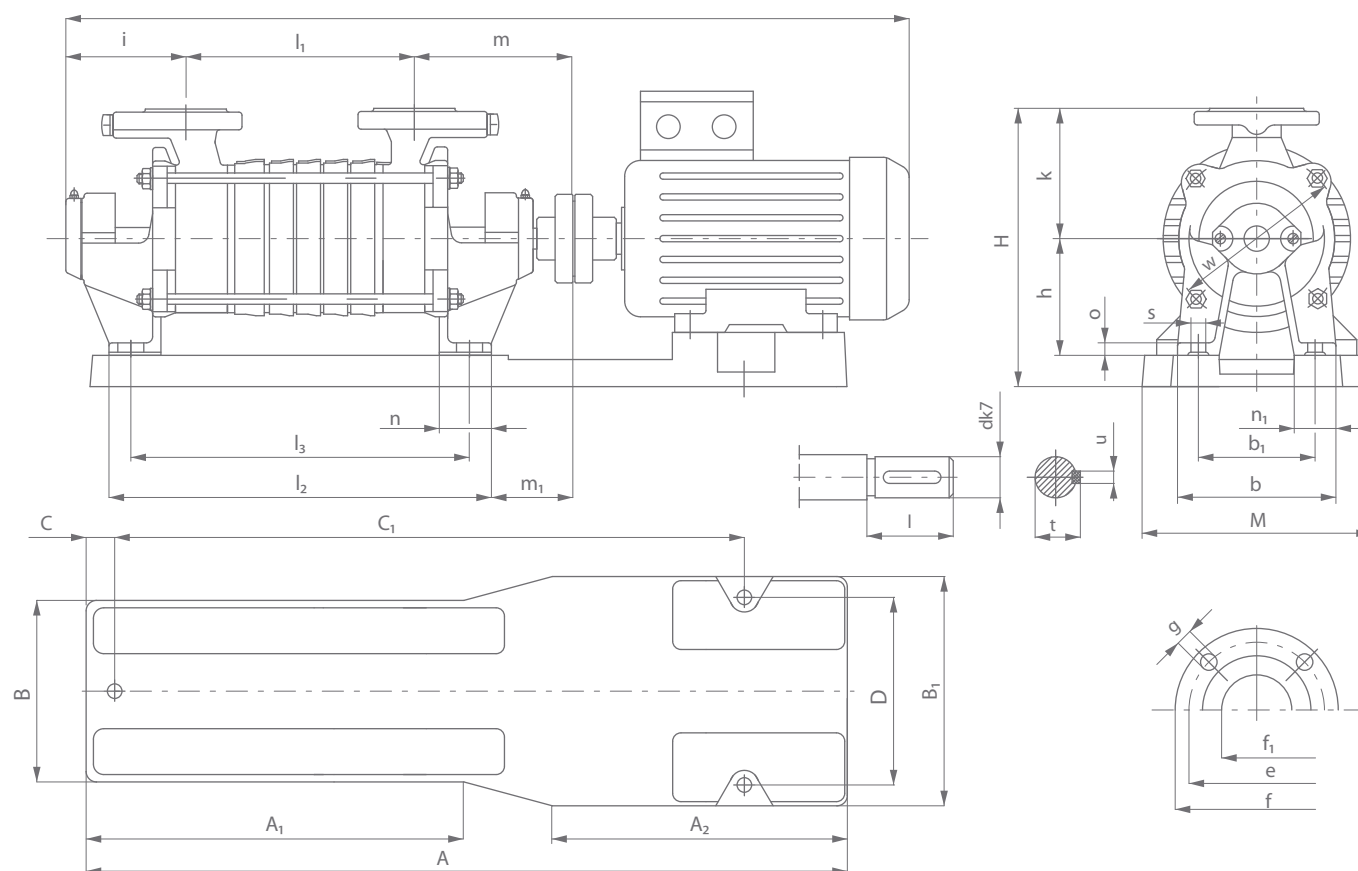
SKA.3.01÷02 overall dimensions drawing



Section of SKA.3.03÷08 pump



Overall dimensions drawing of SKA.3.03÷08



SKA.3 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
	Pump marking	with free shaft end	with coupling	with coupling and foundation plate									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 01, 05, 06*, 10, 11, 12, 23, 35, 36, 37													
SKA.3.01	16	17,5	23	40,0	EZ1	904S	1,1	230	60.60.02.1	—	267	220	667
SKA.3.01	16	17,5	23	30,0	EZ1	804A	0,55	400	60.61.01.1	68.40.01.1	267	220	646
SKA.3.01	16	17,5	23	31,0	EZ1	804B	0,75	400	60.61.01.1	68.40.01.1	267	220	666
SKA.3.01	16	17,5	23	40,0	EZ1	90S4	1,1	400	60.60.02.1	—	267	220	673
SKA.3.02	18	19,5	25	42,5	EZ1	904S	1,1	230	60.60.02.1	—	267	220	690
SKA.3.02	18	19,5	25	43,0	EZ1	904L	1,5	230	60.60.02.1	—	267	220	710
SKA.3.02	18	20	25	33,0	EZ1	804B	0,75	400	60.61.01.1	68.40.01.1	267	220	639
SKA.3.02	18	20	25	42,5	EZ1	90S4	1,1	400	60.60.02.1	—	267	220	727
SKA.3.02	18	20	25	45,0	EZ1	90L4	1,5	400	60.60.02.1	—	267	220	752
SKA.3.02	18	21	26,5	47,0	EZ1	100L4A	2,2	400	60.61.01.1	—	267	220	780
SKA.3.03	21	23	45	57,5	EZ1	90S4	1,1	400	60.45.01.1	68.40.16.1	297	262	750
SKA.3.03	21	23	45	60,0	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	262	775
SKA.3.03	21	24	46	69,0	EZ1	100L4A	2,2	400	60.45.01.1	68.40.17.1	297	262	829
SKA.3.03	21	24	46	72,0	EZ1	100L4B	3,0	400	60.45.01.1	68.40.17.1	297	262	931
SKA.3.04	23	25	47	60,0	EZ1	90S4	1,1	400	60.45.01.1	68.40.16.1	297	262	773
SKA.3.04	23	25	47	62,0	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	262	749
SKA.3.04	23	26	48	71,0	EZ1	100L4A	2,2	400	60.45.01.1	68.40.17.1	297	262	852
SKA.3.04	23	26	48	75,0	EZ1	100L4B	3,0	400	60.45.01.1	68.40.17.1	297	262	854
SKA.3.04	23	26	48	88,0	EZ1	112M4	4,0	400	60.45.01.1	—	297	262	877
SKA.3.05	27	29	57	72,0	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	262	821
SKA.3.05	27	30	58	81,0	EZ1	100L4A	2,2	400	60.45.01.1	68.40.17.1	297	262	875
SKA.3.05	27	30	58	85,0	EZ1	100L4B	3,0	400	60.45.01.1	68.40.17.1	297	262	877
SKA.3.05	27	30	58	98,0	EZ1	112M4	4,0	400	60.45.01.1	—	297	262	900
SKA.3.06	29	31	59	75,0	EZ1	90L4	1,5	400	60.46.01.1	68.40.16.1	292	297	844
SKA.3.06	29	32	60	83,0	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	898
SKA.3.06	29	32	60	87,0	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	900
SKA.3.06	29	32	60	100,0	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	923
SKA.3.06	29	34	62	117,0	EZ3	132S4	5,5	400	60.46.01.1	68.40.18.1	312	297	968
SKA.3.07	31	33	61	77,0	EZ1	90L4	1,5	400	60.46.01.1	68.40.16.1	292	297	967
SKA.3.07	31	34	62	85,0	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	921
SKA.3.07	31	34	62	89,0	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	924
SKA.3.07	31	34	62	102,0	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	946
SKA.3.07	31	36	64	119,0	EZ3	132S4	5,5	400	60.46.01.1	68.40.18.1	292	297	991
SKA.3.08	33	36	64	87,0	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	944
SKA.3.08	33	36	64	91,0	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	946
SKA.3.08	33	36	64	104,0	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	969
SKA.3.08	33	38	66	121,0	EZ3	132S4	5,5	400	60.46.01.1	68.40.18.1	312	297	1014
SKA.3.08	33	40	68	134,0	EZ3	132M4	7,5	400	60.46.01.1	68.40.18.1	312	297	1052

* For SKA.3.01÷3.02 pumps

SKA.3 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
Pump marking													
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 04, 60, 61													
SKA.3.01	20,5	22,0	27,5	34,5	EZ1	804A	0,55	400	60.61.01.1	68.40.01.1	267	220	696
SKA.3.01	20,5	22,0	27,5	35,5	EZ1	804B	0,75	400	60.61.01.1	68.40.01.1	267	220	716
SKA.3.01	20,5	22,0	27,5	44,5	EZ1	90S4	1,10	400	60.61.01.1	68.40.03.1	267	220	723
SKA.3.02	22,5	24,5	29,5	37,5	EZ1	804B	0,75	400	60.61.01.1	68.40.01.1	267	220	689
SKA.3.02	22,5	24,5	29,5	44,0	EZ1	90S4	1,10	400	60.61.01.1	68.40.03.1	267	220	777
SKA.3.02	22,5	24,5	29,5	46,5	EZ1	90L4	1,50	400	60.61.01.1	68.40.03.1	267	220	802
SKA.3.03	25,5	27,5	49,5	62,0	EZ1	90S4	1,10	400	60.45.01.1	68.40.16.1	297	262	800
SKA.3.03	25,5	27,5	49,5	64,5	EZ1	90L4	1,50	400	60.45.01.1	68.40.16.1	297	262	825
SKA.3.03	25,5	28,5	50,5	73,5	EZ1	100L4A	2,20	400	60.45.01.1	68.40.17.1	297	262	879
SKA.3.03	25,5	28,5	50,5	76,5	EZ1	100L4B	3,00	400	60.45.01.1	68.40.17.1	297	262	881
SKA.3.04	27,5	29,5	51,5	64,5	EZ1	90S4	1,10	400	60.45.01.1	68.40.16.1	297	262	823
SKA.3.04	27,5	29,5	51,5	66,5	EZ1	90L4	1,50	400	60.45.01.1	68.40.16.1	297	262	799
SKA.3.04	27,5	30,5	52,5	75,5	EZ1	100L4A	2,20	400	60.46.01.1	68.40.17.1	292	297	871
SKA.3.04	27,5	30,5	52,5	79,5	EZ1	100L4B	3,00	400	60.46.01.1	68.40.17.1	292	297	904
SKA.3.04	27,5	30,5	52,5	98,5	EZ1	112M4	4,00	400	60.46.01.1	—	292	297	927
SKA.3.05	31,5	33,5	61,5	82,5	EZ1	90L4	1,50	400	60.46.01.1	68.40.16.1	292	297	871
SKA.3.05	31,5	34,5	62,5	91,5	EZ1	100L4A	2,20	400	60.46.01.1	68.40.17.1	292	297	925
SKA.3.05	31,5	34,5	62,5	95,5	EZ1	100L4B	3,00	400	60.46.01.1	68.40.17.1	292	297	927
SKA.3.05	31,5	34,5	62,5	108,5	EZ1	112M4	4,00	400	60.46.01.1	—	292	297	950
SKA.3.06	33,5	34,5	63,5	79,5	EZ1	90L4	1,50	400	60.46.01.1	68.40.16.1	292	262	894
SKA.3.06	33,5	35,5	64,5	87,5	EZ1	100L4A	2,20	400	60.46.01.1	68.40.17.1	292	297	958
SKA.3.06	33,5	35,5	64,5	91,5	EZ1	100L4B	3,00	400	60.46.01.1	68.40.17.1	292	297	960
SKA.3.06	33,5	35,5	64,5	104,5	EZ1	112M4	4,00	400	60.46.01.1	—	292	297	973
SKA.3.06	33,5	38,5	66,5	121,5	EZ3	132S4	5,50	400	60.46.01.1	68.40.18.1	312	297	1018
SKA.3.07	35,5	37,5	65,5	81,5	EZ1	90L4	1,50	400	60.46.01.1	68.40.16.1	292	262	917
SKA.3.07	35,5	38,5	66,5	89,5	EZ1	100L4A	2,20	400	60.46.01.1	68.40.17.1	292	297	971
SKA.3.07	35,5	38,5	66,5	93,5	EZ1	100L4B	3,00	400	60.46.01.1	68.40.17.1	292	297	974
SKA.3.07	35,5	38,5	66,5	106,5	EZ1	112M4	4,00	400	60.46.01.1	—	292	297	996
SKA.3.07	35,5	40,5	68,5	123,5	EZ3	132S4	5,50	400	60.46.01.1	68.40.18.1	312	297	1041
SKA.3.08	37,5	40,5	68,5	91,5	EZ1	100L4A	2,20	400	60.46.01.1	68.40.17.1	292	297	994
SKA.3.08	37,5	40,5	68,5	95,5	EZ1	100L4B	3,00	400	60.46.01.1	68.40.17.1	292	297	996
SKA.3.08	37,5	40,5	68,5	108,5	EZ1	112M4	4,00	400	60.46.01.1	—	292	297	1019
SKA.3.08	37,5	42,5	70,5	125,5	EZ3	132S4	5,50	400	60.46.01.1	68.40.18.1	312	297	1064

Table of capacity and absorbed power on the shaft SKA.3

Pump marking	Capacity Q [m³/h]							
	1		1.8		2.5		3	
	Capacity Q [l/min]							
	17		30		42		50	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKA.3.01	37	0,85	24	0,60	17	0,40	11	0,31
SKA.3.02	64	1,45	45	1,00	30	0,65	17	0,45
SKA.3.03	96	1,80	66	1,20	42	0,75	26	0,54
SKA.3.04	126	2,20	86	1,40	50	0,90	32	0,65
SKA.3.05	150	2,70	100	1,70	58	1,05	36	0,75
SKA.3.06	172	3,20	112	2,0	64	1,20	39	0,82
SKA.3.07	192	3,50	128	2,30	72	1,35	45	0,95
SKA.3.08	224	4,10	145	2,60	85	1,60	53	1,20

Flange dimensions

Pump type dimension	DN	e	d ₀	f	f ₁
SKA.3.01÷02	32	90	14	120	85

Counterflanges are delivered with pumps
Threaded connection in counterflange
G1 ¼ – SKA.3
Oval flange is applied in SKA.3.01 and 02 pumps

Pump type dimension	DN	D ₀	D ₂	g	i
SKA.3.01÷02	32	100	140	18	4

Round flange is applied in pumps for material execution
d = 4, 5, 6
i – quantity of holes

Pump type dimension	f ₁	e	f	g	i
SKA.3.01÷02	32	100	140	18	4

i – quantity of holes

Pump dimension

Pump type size	for e ₁ e ₁ =	Pump												Shaft			
		b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	w	l	d	t	u
SKA.3	01, 05, 06, 10, 11, 12, 23, 35, 36, 37	152	112	112	125		40	12	12	115	150	84	164	40	19	21,5	6
SKA.3	01, 05, 10, 12, 23, 35, 36, 37	152	112	112	125	50	40	12	12	115	150	84	164	40	19	21,5	6
SKA.3	04, 60, 61	152	112	112	125		40	12	12	140	180	84	164	40	19	21,5	6
SKA.3	04, 60, 61	152	112	112	125	50	40	12	12	140	180	84	164	40	19	21,5	6

for e ₁ e ₁ = 01, 05, 06, 10, 11, 12, 23, 35, 36, 37			
Dimension	l ₁	l ₂	l ₃
SKA.3.01	112	100	60
SKA.3.02	135	100	60

for e ₁ e ₁ = 04, 60, 61			
Dimension	l ₁	l ₂	l ₃
SKA.3.01	112	100	60
SKA.3.02	135	100	60

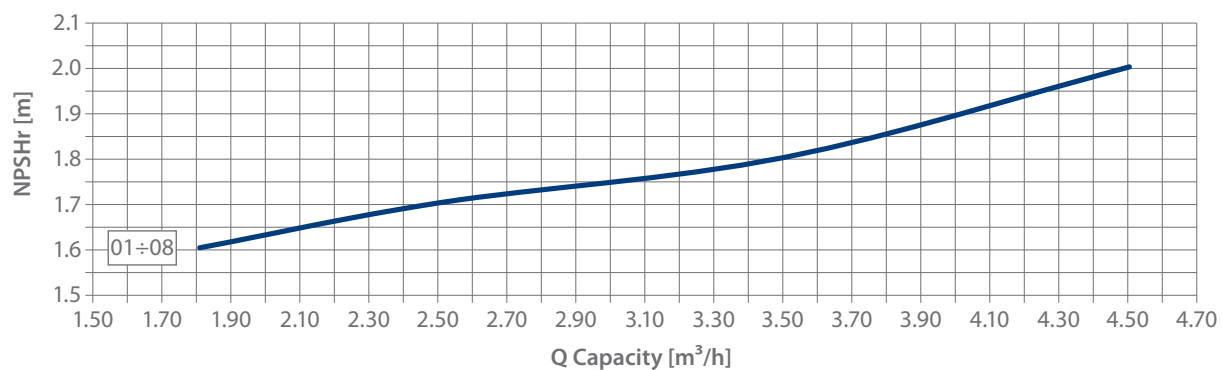
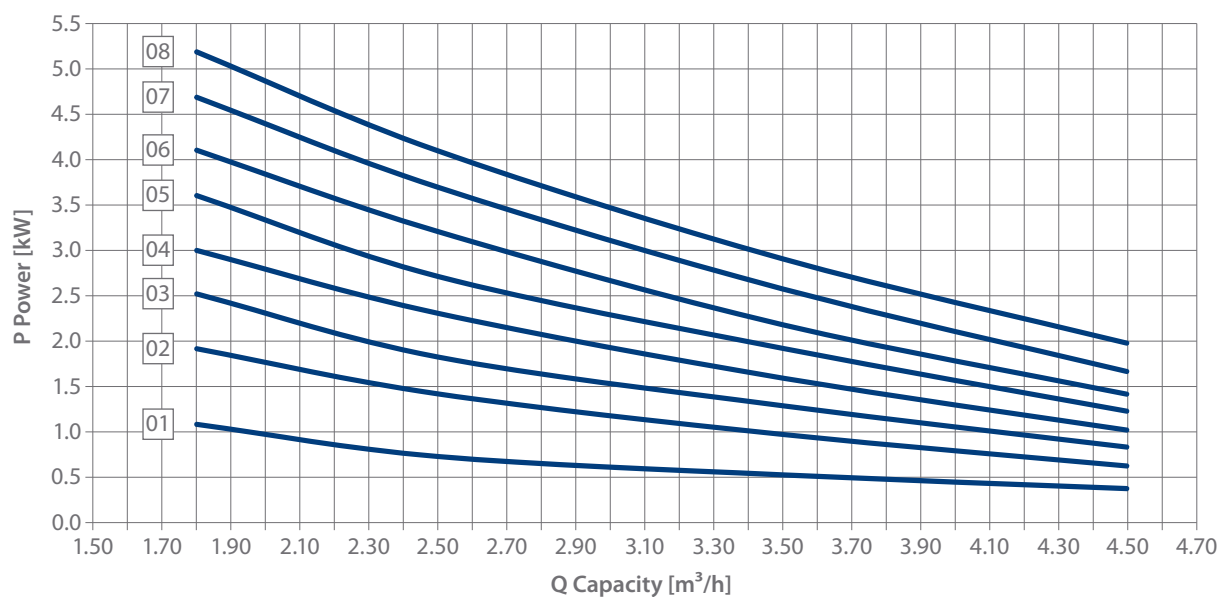
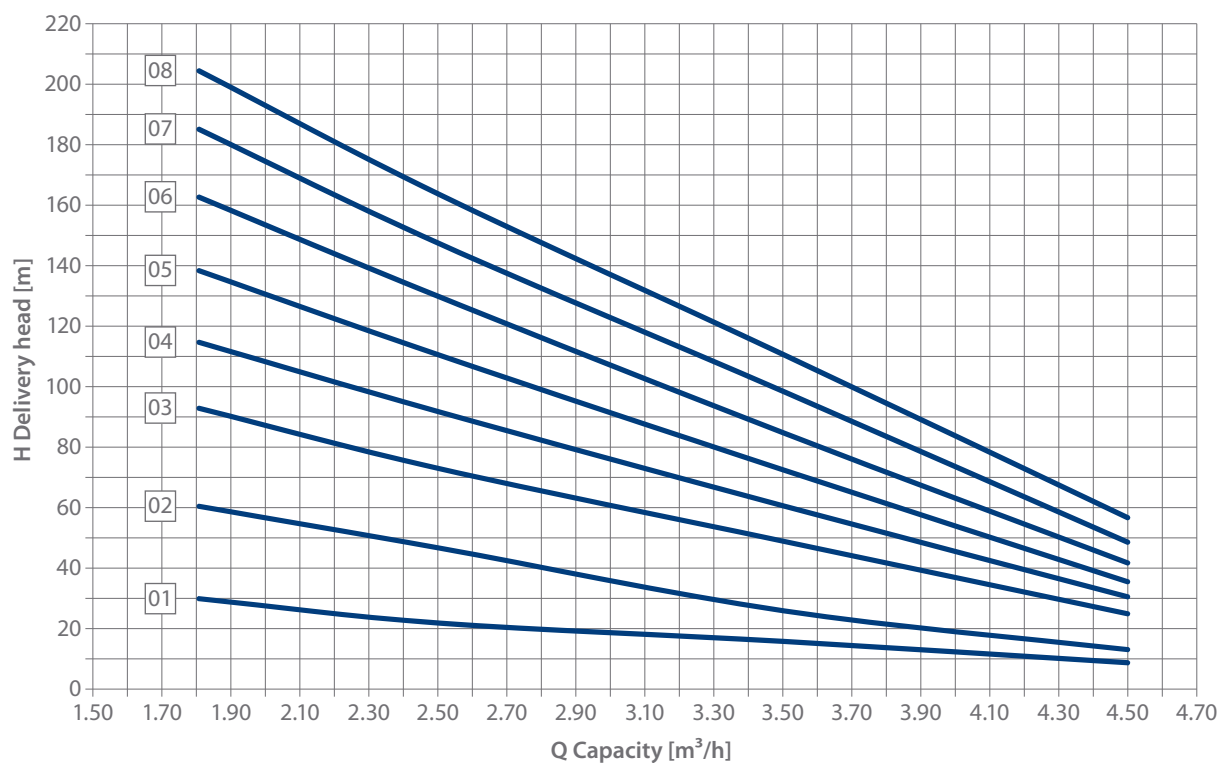
for e ₁ e ₁ = 01, 05, 10, 11, 12, 23, 35, 36, 37			
Dimension	l ₁	l ₂	l ₃
SKA.3.03	158	295	267
SKA.3.04	181	318	290
SKA.3.05	204	341	313
SKA.3.06	227	364	336
SKA.3.07	250	387	359
SKA.3.08	273	410	382

for e ₁ e ₁ = 04, 60, 61			
Dimension	l ₁	l ₂	l ₃
SKA.3.03	158	345	317
SKA.3.04	181	368	340
SKA.3.05	204	391	363
SKA.3.06	227	414	396
SKA.3.07	250	437	409
SKA.3.08	273	460	432

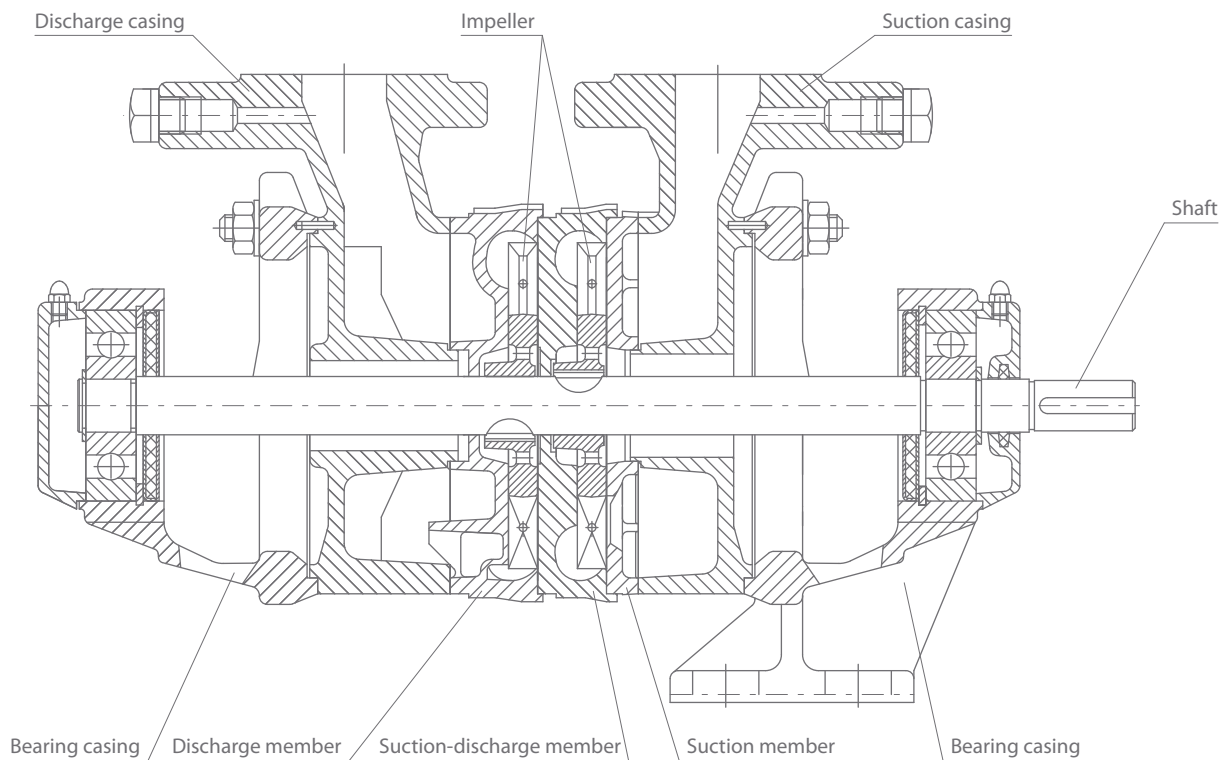
Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	D	F
60.45.01.1 SKA .3.03÷08	767	285	340	167	262	25	620	226	–	14
60.46.01.1 SKA.3.03÷08	977	395	430	167	297	260	545	261	131	14
60.60.02.1 SKA.3.01÷02	450	–	160	166	220	20	410	–	–	14
60.61.01.1 SKA.3.01÷02	486	–	185	166	220	20	446	–	–	14

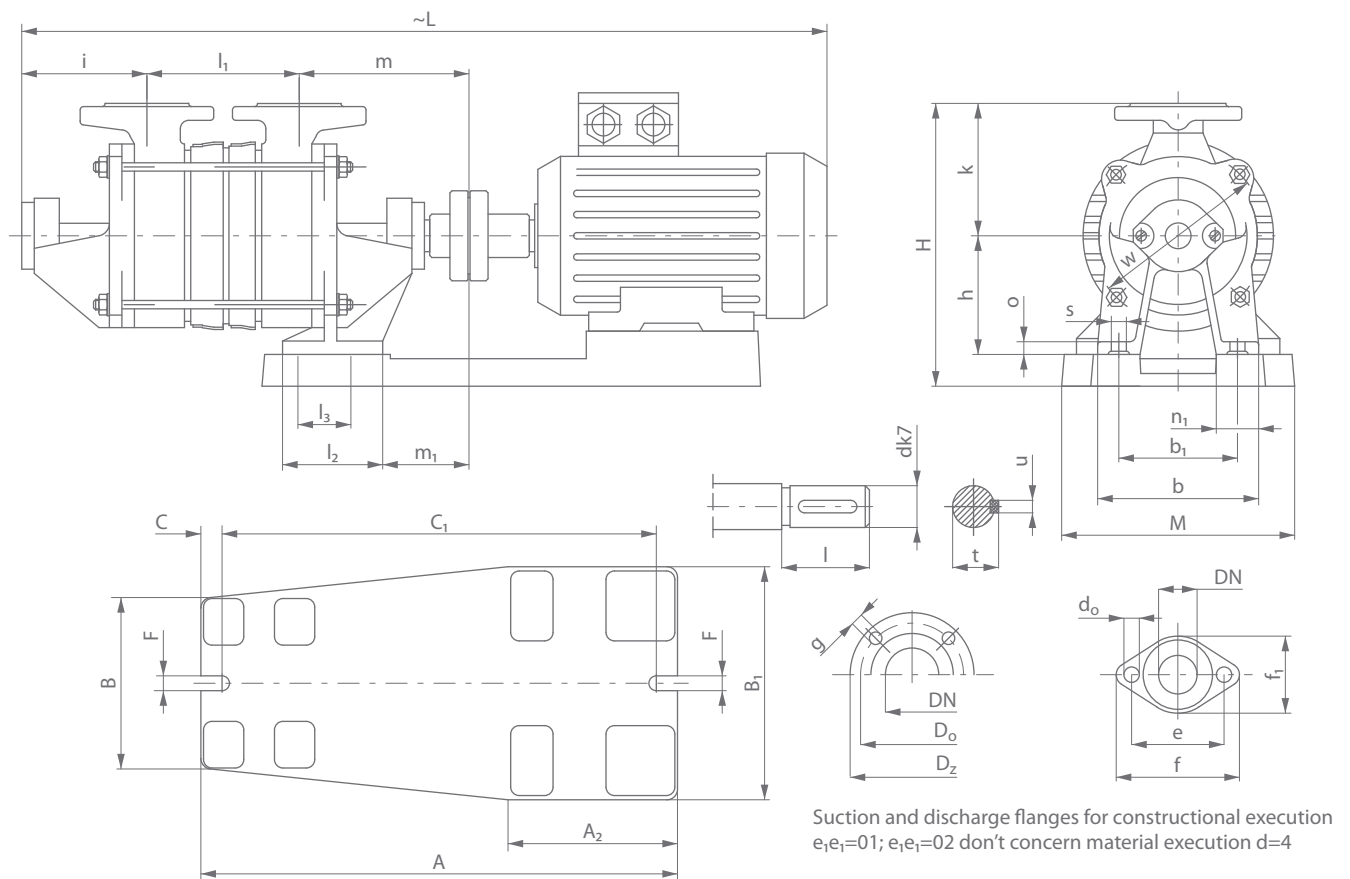
SKA.4.01÷08 CHARACTERISTICS



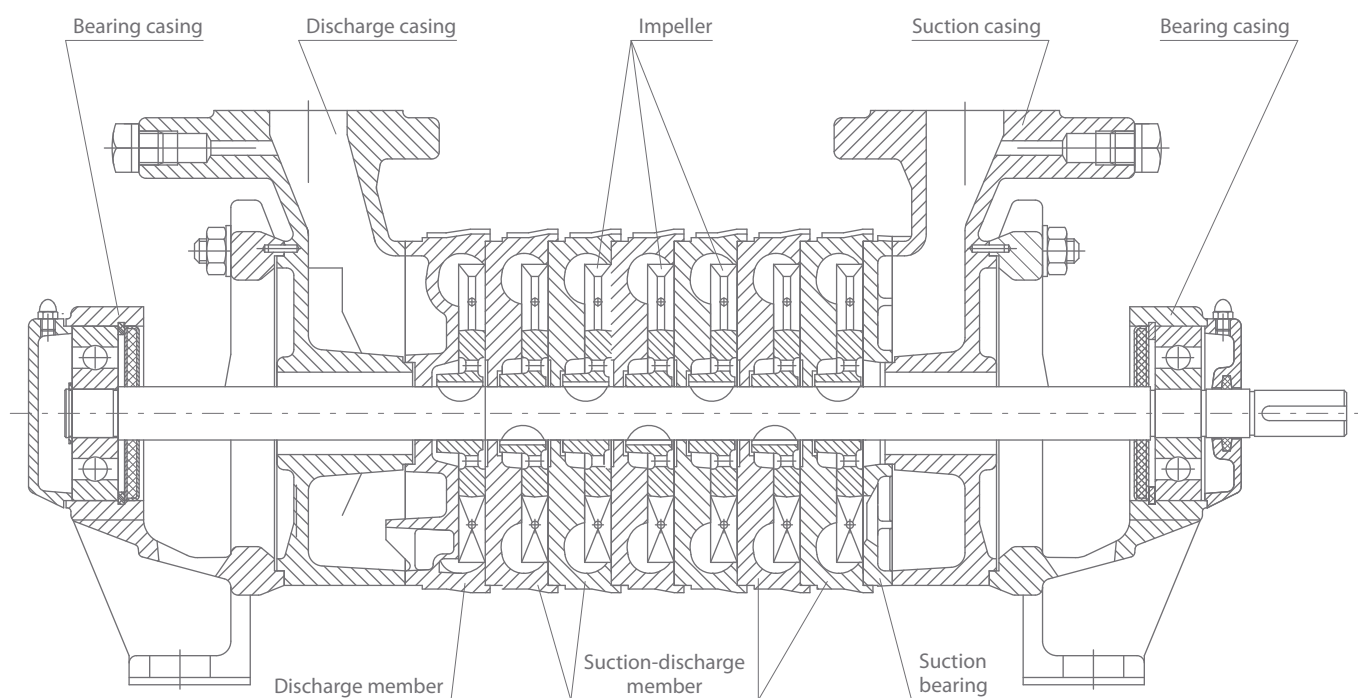
Section of SKA.4.01÷02 pump



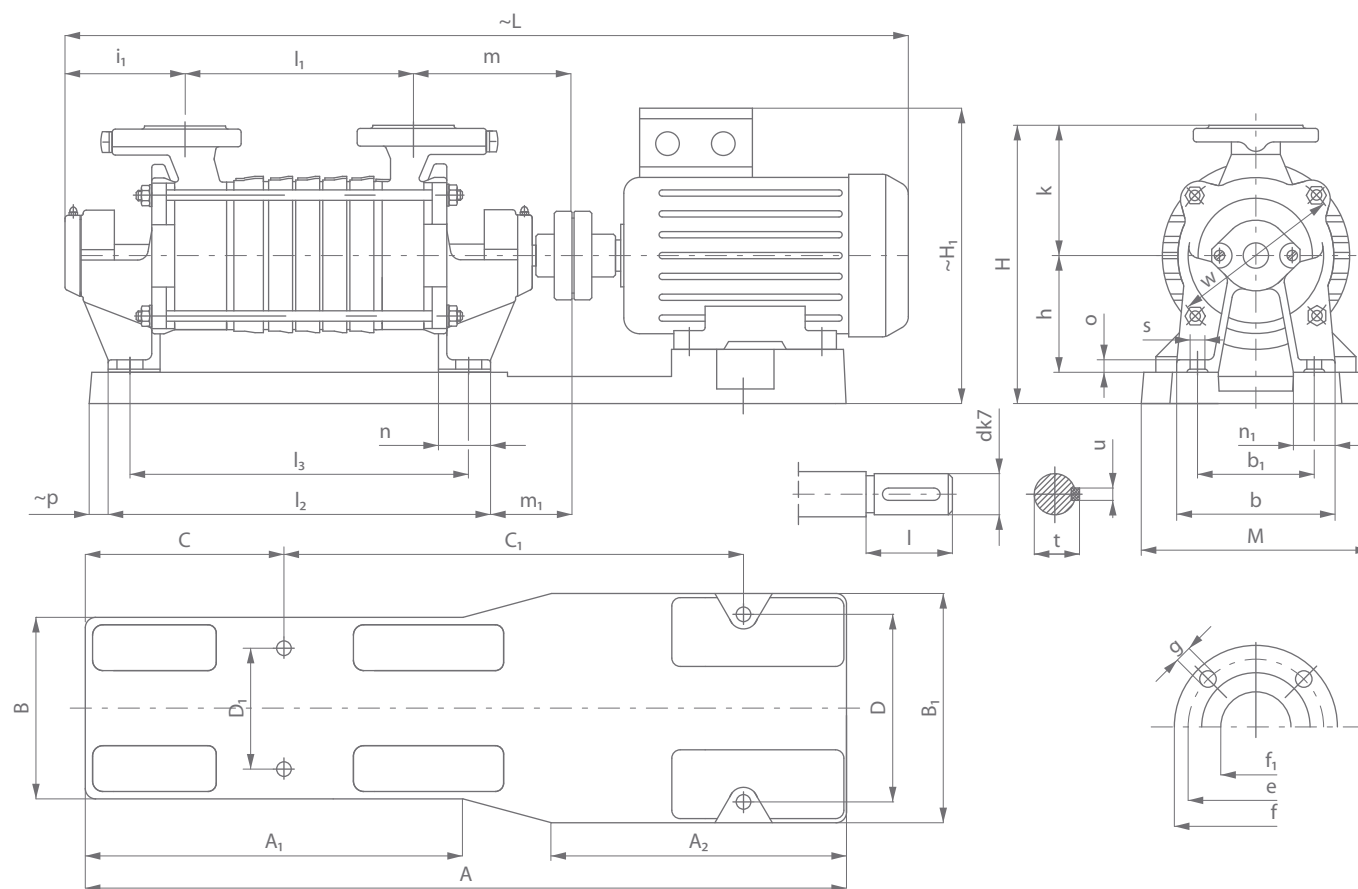
Overall dimensions drawing of SKA.4.01÷02



Section of SKA.4.03÷08, SKA.5, SKA.6, SKA7, SKA.8 pump



Overall dimensions drawing of SKA.4.03÷08, SKA.5, SKA.6, SKA7, SKA.8



SKA.4 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 01, 05, 06*, 10, 11, 12, 23, 35, 36, 37													
SKA.4.01	17,5	19,0	25,0	42,5	EZ1	904S	1,1	230	60.60.02.1	—	267	220	666
SKA.4.01	17,5	19,0	25,0	43,0	EZ1	804L	1,5	230	60.60.02.1	—	267	220	686
SKA.4.01	17,5	19,0	25,0	33,0	EZ1	804B	0,75	400	60.61.01.1	60.40.01.1	267	220	646
SKA.4.01	17,5	19,0	25,0	42,5	EZ1	90S4	1,1	400	60.60.02.1	—	267	220	713
SKA.4.01	17,5	19,0	25,0	45,0	EZ1	90L4	1,5	400	60.60.02.1	—	267	220	722
SKA.4.02	19,5	21,0	27,0	44,5	EZ1	904S	1,1	230	60.60.02.1	—	267	220	692
SKA.4.02	19,5	21,0	27,0	43,0	EZ1	904L	1,5	230	60.60.02.1	—	267	220	712
SKA.4.02	19,5	21,0	27,0	44,5	EZ1	90S4	1,1	400	60.60.02.1	68.40.03.1	267	220	717
SKA.4.02	19,5	21,0	27,0	49,5	EZ1	90S4T	1,5	400	60.60.02.1	—	267	220	728
SKA.4.02	19,5	21,0	27,0	57,5	EZ1	90L4	1,5	400	60.60.02.1	68.40.03.1	267	220	748
SKA.4.02	19,5	22,5	28,0	49,0	EZ1	100L4A	2,2	400	60.60.01.1	—	267	220	776
SKA.4.03	22,5	24,0	46,0	57,5	EZ1	90S4	1,1	400	60.45.01.1	68.40.16.1	297	262	746
SKA.4.03	22,5	24,0	46,0	61,0	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	262	774
SKA.4.03	22,5	25,5	47,5	68,0	EZ1	100L4A	2,2	400	60.45.01.1	68.40.17.1	297	262	728
SKA.4.03	22,5	25,5	47,5	75,0	EZ1	100L4B	3,0	400	60.45.01.1	68.40.17.1	297	262	730
SKA.4.04	24,5	26,0	48,0	63,0	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	262	800
SKA.4.04	24,5	27,5	50,0	72,0	EZ1	100L4A	2,2	400	60.45.01.1	68.40.17.1	297	262	855
SKA.4.04	24,5	27,5	50,0	77,0	EZ1	100L4B	3,0	400	60.45.01.1	68.40.17.1	297	262	854
SKA.4.04	24,5	27,5	50,0	89,0	EZ1	112M4	4,0	400	60.45.01.1	—	297	262	881
SKA.4.05	28,5	30,0	58,0	76,0	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	262	836
SKA.4.05	28,5	31,5	60,0	80,0	EZ1	100L4A	2,2	400	60.45.01.1	68.40.17.1	297	262	880
SKA.4.05	28,5	31,5	60,0	87,0	EZ1	100L4B	3,0	400	60.45.01.1	68.40.17.1	297	262	882
SKA.4.05	28,5	31,5	60,0	100,0	EZ1	112M4	4,0	400	60.45.01.1	—	297	262	907
SKA.4.06	30,5	33,5	62,0	84,0	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	906
SKA.4.06	30,5	33,5	62,0	89,0	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	908
SKA.4.06	30,5	33,5	62,0	102,0	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	933
SKA.4.06	30,5	33,5	62,0	117,0	EZ1	132S4	5,5	400	60.46.01.1	68.40.18.1	312	297	980
SKA.4.07	32,5	35,5	64,0	84,0	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	905
SKA.4.07	32,5	35,5	64,0	91,0	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	934
SKA.4.07	32,5	35,5	64,0	104,0	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	956
SKA.4.07	32,5	37,0	65,0	120,0	EZ3	132S4	5,5	400	60.46.01.1	68.40.18.1	312	297	1006
SKA.4.08	34,5	37,5	66,0	86,0	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	931
SKA.4.08	34,5	37,5	66,0	93,0	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	960
SKA.4.08	34,5	37,5	66,0	106,0	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	988
SKA.4.08	34,5	39,0	67,0	122,0	EZ3	132S4	5,5	400	60.46.01.1	68.40.18.1	312	297	1032
SKA.4.08	34,5	41,5	70,0	136,0	EZ3	132M4	7,5	400	60.46.01.1	68.40.18.1	312	297	1071

* For SKA.4.01÷4.02 pumps

SKA.4 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
	[kg]				[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for $e_1, e_2 = 04, 60, 61$													
SKA.4.01	22	23,5	29,5	37,5	EZ1	804B	0,75	400	60.61.01.1	68.40.01.1	267	220	700
SKA.4.01	22	23,5	29,5	46,5	EZ1	90S4	1,1	400	60.61.01.1	68.40.03.1	267	220	767
SKA.4.01	22	23,5	29,5	52,0	EZ1	90L4	1,5	400	60.61.01.1	68.40.03.1	267	220	776
SKA.4.02	24	25,5	31,5	49,0	EZ1	90S4	1,1	400	60.61.01.1	68.40.03.1	267	220	771
SKA.4.02	24	25,5	31,5	54,0	EZ1	90L4	1,5	400	60.61.01.1	68.40.03.1	267	220	802
SKA.4.03	27	28,5	50,5	62,0	EZ1	90S4	1,1	400	60.45.01.1	68.40.16.1	297	262	800
SKA.4.03	27	28,5	50,5	65,5	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	262	828
SKA.4.03	27	30,0	58,0	78,5	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	297	297	782
SKA.4.03	27	30,0	58,0	85,5	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	297	297	794
SKA.4.04	29	30,5	52,5	67,5	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	262	854
SKA.4.04	29	32,0	60,5	82,5	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	909
SKA.4.04	29	32,0	60,5	87,5	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	908
SKA.4.04	29	32,0	60,5	99,5	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	935
SKA.4.05	33	34,5	68,5	86,5	EZ1	90L4	1,5	400	60.46.01.1	68.40.16.1	292	297	890
SKA.4.05	33	36,0	70,5	90,5	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	934
SKA.4.05	33	36,0	70,5	97,5	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	936
SKA.4.05	33	36,0	70,5	110,5	EZ1	112M4	4,0	400	60.46.01.1	68.40.17.1	292	297	961
SKA.4.06	35	38,0	66,5	88,5	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	960
SKA.4.06	35	38,0	66,5	93,5	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	962
SKA.4.06	35	38,0	66,5	106,5	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	987
SKA.4.06	35	39,5	68,0	123,0	EZ3	132S4	5,5	400	60.46.01.1	68.40.18.1	312	297	1034
SKA.4.07	37	40,0	68,5	88,5	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	959
SKA.4.07	37	40,0	68,5	95,5	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	988
SKA.4.07	37	40,0	68,5	108,5	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	1020
SKA.4.07	37	41,5	70,0	124,5	EZ3	132S4	5,5	400	60.46.01.1	68.40.18.1	312	297	1060
SKA.4.08	39	42,0	70,5	90,5	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	985
SKA.4.08	39	42,0	70,5	97,5	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	1014
SKA.4.08	39	42,0	70,5	110,5	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	1042
SKA.4.08	39	43,5	72,0	126,5	EZ3	132S4	5,5	400	60.46.01.1	68.40.18.1	312	297	1086
SKA.4.08	39	46,0	74,5	140,5	EZ3	132M4	7,5	400	60.46.01.1	68.40.18.1	312	297	1125

Table of capacity and absorbed power on the shaft SKA.4

Pump marking	Capacity Q [m³/h]							
	1.8		2.5		3.5		4.5	
	Capacity Q [l/min]							
	30		42		58		75	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKA.4.01	29	1,05	21	0,70	15	0,50	8	0,35
SKA.4.02	60	1,90	46	1,40	25	0,95	12	0,60
SKA.4.03	92	2,50	72	1,80	48	1,26	24	0,80
SKA.4.04	114	3,00	91	2,30	60	1,58	30	1,00
SKA.4.05	138	3,60	110	2,70	72	1,90	35	1,20
SKA.4.06	162	4,10	129	3,20	84	2,17	41	1,40
SKA.4.07	185	4,70	147	3,70	98	2,57	48	1,65
SKA.4.08	204	5,20	168	4,10	110	2,90	56	1,96

Flange dimensions

Pump type dimension	DN	e	d ₀	f	f ₁
SKA.4.01÷02	32	90	14	120	85

Counterflanges are delivered with pumps
Threaded connection in counterflange
G1 ¼ – SKA.4
Oval flange is applied in SKA.4.01 and 02 pumps

Pump type dimension	DN	D ₀	D ₂	g	i
SKA.4.01÷02	32	100	140	18	4

Round flange is applied in pumps for material execution
d = 4,5,6
i – quantity of holes

Pump type dimension	f ₁	e	f	g	i
SKA.4.03÷08	32	100	140	18	4

i – quantity of holes

Pump dimension

Pump type size	for e ₁ e ₁ =	Pump												Shaft			
		b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	w	l	d	t	u
SKA.4	01, 05, 06, 10, 11, 12, 23, 35, 36, 37	152	112	112	125		40	12	12	115	150	84	164	40	19	21,5	6
SKA.4	01, 05, 10, 11, 12, 23, 35, 36, 37	152	112	112	125	50	40	12	12	115	150	84	164	40	19	21,5	6
SKA.4	04, 60, 61	152	112	112	125		40	12	12	140	180	84	164	40	19	21,5	6
SKA.4	04, 60, 61	152	112	112	125	50	40	12	12	140	180	84	164	40	19	21,5	6

for e ₁ e ₁ = 01, 05, 06, 10, 11, 12, 23, 35, 36, 37			
Dimension	l ₁	l ₂	l ₃
SKA.4.01.	115	100	60
SKA.4.02	141	100	60

for e ₁ e ₁ = 04, 60, 61			
Dimension	l ₁	l ₂	l ₃
SKA.4.01	115	100	60
SKA.4.02	141	100	60

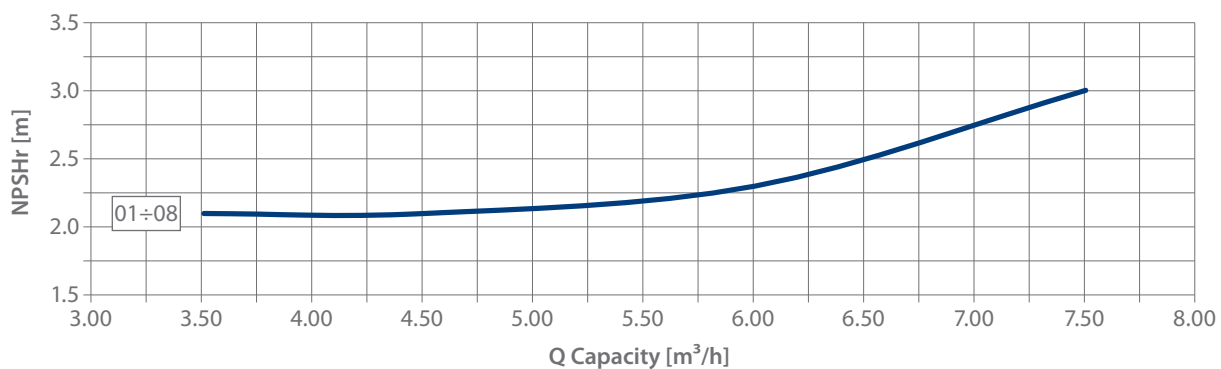
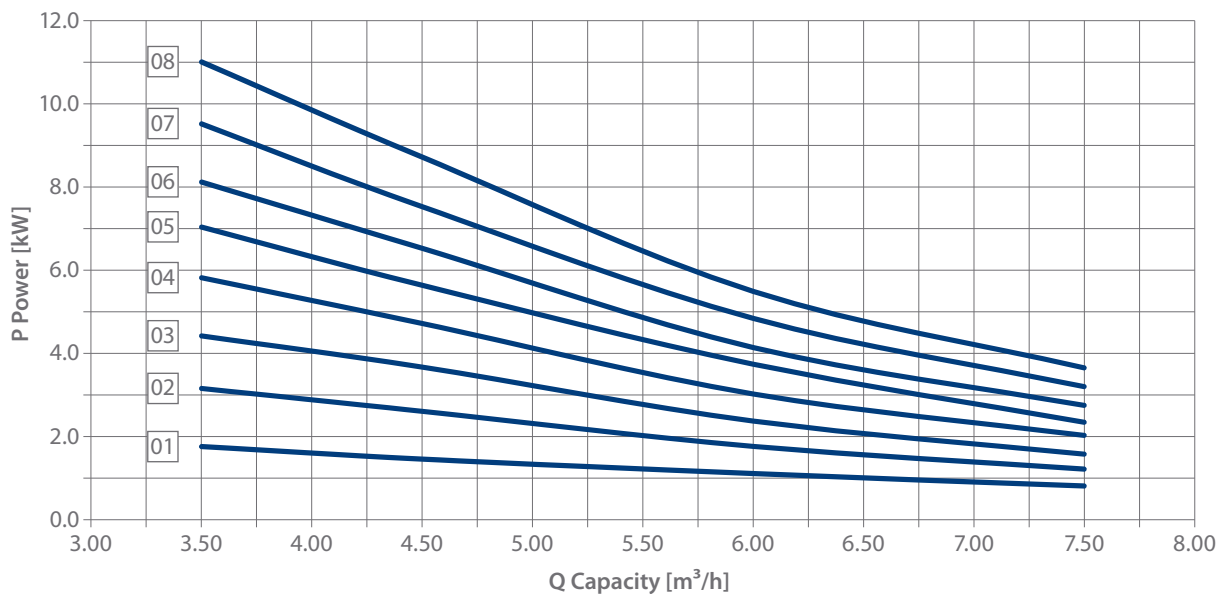
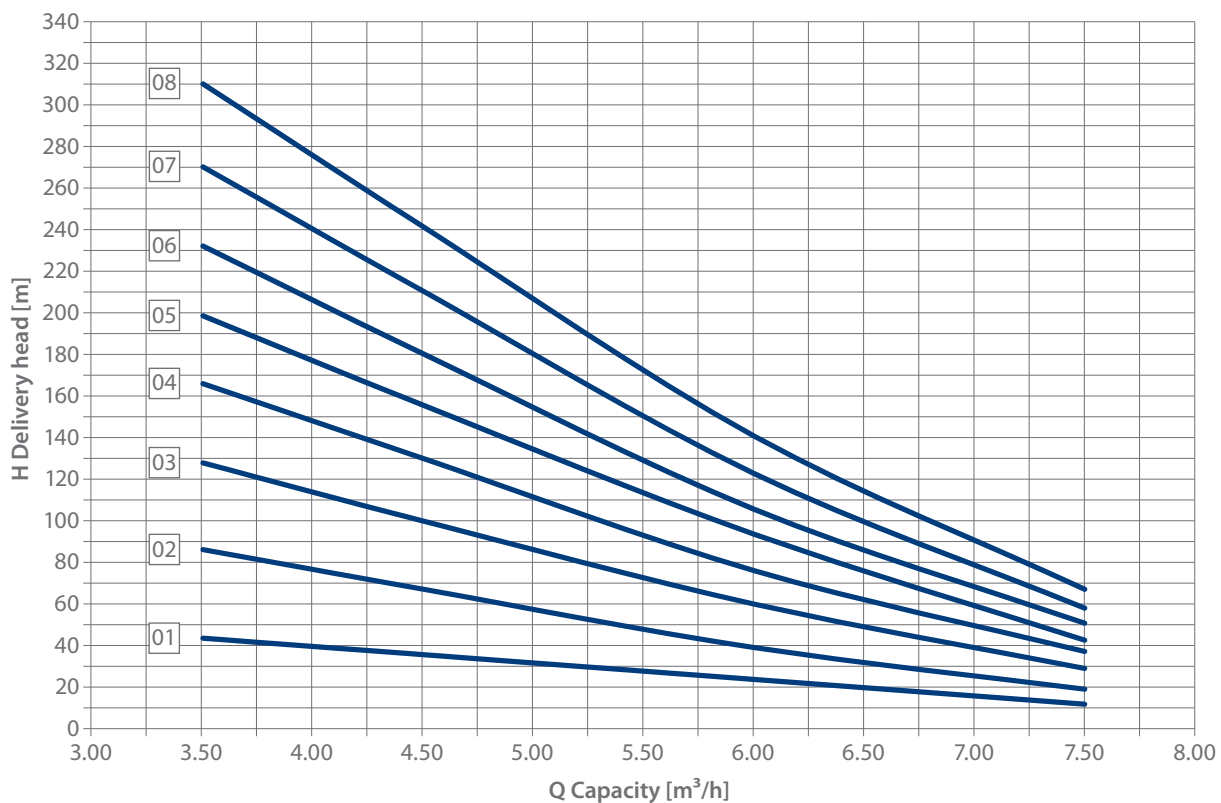
for e ₁ e ₁ = 01, 05, 10, 11, 12, 23, 35, 36, 37			
Dimension	l ₁	l ₂	l ₃
SKA.4.03	167	304	276
SKA.4.04	193	330	302
SKA.4.05	219	365	328
SKA.4.06	245	382	354
SKA.4.07	271	408	380
SKA.4.08	297	434	406

for e ₁ e ₁ = 04, 60, 61			
Dimension	l ₁	l ₂	l ₃
SKA.4.03	167	354	326
SKA.4.04	193	380	352
SKA.4.05	219	415	378
SKA.4.06	245	432	404
SKA.4.07	271	458	430
SKA.4.08	297	484	456

Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	D	F
60.45.01.1 SKA .4.03÷08	767	285	340	167	262	25	620	226	–	14
60.46.01.1 SKA.4.03÷08	977	395	430	167	297	260	545	261	131	14
60.60.02.1 SKA.4.01÷02	450	–	160	166	220	20	410	–	–	14
60.61.01.1 SKA.4.01÷02	486	–	185	166	220	20	446	–	–	14

SKA.5.01÷ 08 CHARACTERISTICS



SKA.5 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 01, 05, 10, 11, 12, 36, 37													
SKA.5.01	26	27,5	53,5	67,5	EZ1	90S4	1,1	400	60.48.01.1	68.40.07.1	332	296	759
SKA.5.01	26	27,5	53,5	70,5	EZ1	90L4	1,5	400	60.48.01.1	68.40.07.1	332	296	790
SKA.5.01	26	29	55	72,0	EZ1	100L4A	2,2	400	60.48.03.1	-	332	296	822
SKA.5.01	26	29	55	82,0	EZ1	100L4B	3,0	400	60.48.03.1	-	332	296	828
SKA.5.02	30	31,5	57,5	74,0	EZ1	90L4	1,5	400	60.48.01.1	-	332	296	820
SKA.5.02	30	33	59	76,0	EZ1	100L4A	2,2	400	60.48.03.1	-	332	296	862
SKA.5.02	30	33	59	97,0	EZ1	100L4B	3,0	400	60.48.03.1	-	332	296	884
SKA.5.02	30	33	59	100,0	EZ1	112M4	4,0	400	60.48.02.1	-	332	296	877
SKA.5.03	34	37	63	80,0	EZ1	100L4A	2,2	400	60.48.03.1	-	332	296	882
SKA.5.03	34	37	63	90,0	EZ1	100L4B	3,0	400	60.48.03.1	-	332	296	884
SKA.5.03	34	37	63	104,0	EZ1	112M4	4,0	400	60.48.02.1	-	332	296	907
SKA.5.03	34	38	64	120,0	EZ3	132S4	5,5	400	60.48.01.1	-	332	296	955
SKA.5.04	38	41	72	99,0	EZ1	100L4B	3,0	400	60.49.01.1	68.40.04.1	332	337	949
SKA.5.04	38	42	73	113,0	EZ1	112M4	4,0	400	60.49.01.1	68.40.05.1	332	337	949
SKA.5.04	38	42	73	128,0	EZ3	132S4	5,5	400	60.49.01.1	-	332	337	985
SKA.5.04	38	45	76	142,0	EZ3	132M4	7,5	400	60.49.01.1	-	332	337	1023
SKA.5.05	44	47	78	116,0	EZ1	100L4B	3,0	400	60.49.01.1	68.40.04.1	332	337	979
SKA.5.05	44	47	78	123,0	EZ1	112M4	4,0	400	60.49.01.1	68.40.05.1	332	337	997
SKA.5.05	44	48	79	134,0	EZ3	132S4	5,5	400	60.49.01.1	-	332	337	1015
SKA.5.05	44	51	82	148,0	EZ3	132M4	7,5	400	60.49.01.1	-	332	337	1053
SKA.5.05	44	55	86	183,0	EZ3	160M4	11,0	400	60.50.02.1	-	360	337	1146
SKA.5.06	48	51	82	109,0	EZ1	100L4B	3,0	400	60.49.01.1	68.40.04.1	332	337	967
SKA.5.06	48	51	82	123,0	EZ1	112M4	4,0	400	60.49.01.1	68.40.05.1	332	337	997
SKA.5.06	48	52	83	138,0	EZ3	132S4	5,5	400	60.49.01.1	-	332	337	1045
SKA.5.06	48	55	86	152,0	EZ3	132M4	7,5	400	60.49.01.1	-	332	337	1083
SKA.5.06	48	59	90	187,0	EZ3	160M4	11,0	400	60.50.02.1	-	360	337	1176
SKA.5.07	52	55	92	133,0	EZ1	112M4	4,0	400	60.50.01.1	68.40.05.1	332	337	1084
SKA.5.07	52	56	93	148,0	EZ3	132S4	5,5	400	60.50.01.1	-	332	337	1075
SKA.5.07	52	59	96	162,0	EZ3	132M4	7,5	400	60.50.01.1	-	332	337	1113
SKA.5.07	52	63	100	196,0	EZ3	160M4	11,0	400	60.50.02.1	-	360	337	1206
SKA.5.07	52	63	100	216,0	EZ3	160L4	15,0	400	60.50.02.1	-	360	337	1248
SKA.5.08	56	59	98	139,0	EZ1	112M4	4,0	400	60.50.01.1	68.40.05.1	332	337	1084
SKA.5.08	56	60	99	154,0	EZ3	132S4	5,5	400	60.50.01.1	-	332	337	1105
SKA.5.08	56	63	102	168,0	EZ3	132M4	7,5	400	60.50.01.1	-	332	337	1141
SKA.5.08	56	67	106	203,0	EZ3	160M4	11,0	400	60.50.02.1	-	360	337	1136
SKA.5.08	56	67	106	222,0	EZ3	160L4	15,0	400	60.51.01.1	-	360	372	1280

SKA.5 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 04, 60, 61													
SKA.5.01	31	32,5	58,5	72,5	EZ1	90S4	1,1	400	60.48.01.1	68.40.07.1	332	296	824
SKA.5.01	31	32,5	58,5	76	EZ1	90L4	1,5	400	60.48.01.1	68.40.07.1	332	296	860
SKA.5.01	31	34	60	77	EZ1	100L4A	2,2	400	60.48.03.1	-	332	296	892
SKA.5.01	31	34	60	87	EZ1	100L4B	3,0	400	60.48.03.1	-	332	296	898
SKA.5.02	35	38	64	86	EZ1	100L4A	2,2	400	60.49.01.1	68.40.04.1	332	337	932
SKA.5.02	35	38	64	107	EZ1	100L4B	3,0	400	60.49.01.1	68.40.04.1	332	337	954
SKA.5.02	35	38	64	110	EZ1	112M4	4,0	400	60.49.01.1	68.40.05.1	332	337	947
SKA.5.03	39	42	68	90	EZ1	100L4A	2,2	400	60.49.01.1	68.40.04.1	332	337	952
SKA.5.03	39	42	68	100	EZ1	1004B	3,0	400	60.49.01.1	68.40.04.1	332	337	954
SKA.5.03	39	42	68	114	EZ3	112M4	4,0	400	60.49.01.1	68.40.05.1	332	337	977
SKA.5.03	39	43	69	122	EZ3	132S4	5,5	400	60.49.01.1	-	332	337	1025
SKA.5.04	43	46	77	126	EZ1	112M4	4,0	400	60.50.01.1	68.40.05.1	332	337	1019
SKA.5.04	43	47	78	141	EZ3	132S4	5,5	400	60.50.01.1	-	332	337	1055
SKA.5.04	43	50	81	155	EZ3	132M4	7,5	400	60.50.01.1	-	332	337	1093
SKA.5.05	49	52	83	136	EZ1	112M4	4,0	400	60.50.01.1	68.40.05.1	332	337	1067
SKA.5.05	49	53	84	147	EZ3	132S4	5,5	400	60.50.01.1	-	332	337	1085
SKA.5.05	49	56	87	161	EZ3	132M4	7,5	400	60.50.01.1	-	332	337	1123
SKA.5.05	49	60	92	188	EZ3	160M4	11,0	400	60.51.01.1	-	360	372	1216
SKA.5.06	53	56	87	136	EZ1	112M4	4,0	400	60.50.01.1	68.40.05.1	332	337	1067
SKA.5.06	53	57	88	151	EZ3	132S4	5,5	400	60.50.01.1	-	332	337	1115
SKA.5.06	53	60	91	165	EZ3	132M4	7,5	400	60.50.01.1	-	332	337	1153
SKA.5.06	53	64	95	192	EZ3	160M4	11,0	400	60.51.01.1	-	360	372	1246
SKA.5.07	57	61	98	153	EZ3	132S4	5,5	400	60.50.01.1	-	332	337	1145
SKA.5.07	57	64	101	167	EZ3	132M4	7,5	400	60.50.01.1	-	332	337	1183
SKA.5.07	57	68	105	174	EZ1	160M4	11,0	400	60.51.01.1	-	360	372	1276
SKA.5.07	57	68	88	221	EZ3	160L4	15,0	400	60.51.01.1	-	360	372	1318
SKA.5.08	61	102	111	208	EZ3	160M4	11,0	400	60.51.01.1	-	360	372	1154
SKA.5.08	61	102	111	227	EZ3	160L4	15,0	400	60.51.01.1	-	360	372	1350

Table of capacity and absorbed power on the shaft SKA.5

Pump marking	Capacity Q [m³/h]							
	3,5		4,5		6		7,5	
	Capacity Q [l/min]							
	58		75		100		125	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKA.5.01	43	1,70	35	1,40	23	1,05	11	0,75
SKA.5.02	85	3,10	66	2,55	38	1,70	18	1,15
SKA.5.03	127	4,40	99	3,65	59	2,35	28	1,55
SKA.5.04	165	5,80	129	4,70	75	3,00	36	2,00
SKA.5.05	198	7,00	155	5,60	93	3,70	42	2,30
SKA.5.06	232	8,10	180	6,50	105	4,10	50	2,70
SKA.5.07	270	9,50	210	7,50	122	4,80	57	3,15
SKA.5.08	310	11,0	241	8,70	140	5,45	66	3,60

Flange dimensions

Pump type dimension	f ₁	e	f	g	i
SKA.5	40	110	145	18	4

i – quantity of holes

Pump dimension

Pump type size	for e ₁ e ₁ =	Pump												Shaft			
		b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	w	l	d	t	u
SKA.5	01, 05, 10, 11, 12, 35, 36, 37	185	145	132	140	55	40	16	14	130	176	82	194	40	24	27	8
SKA.5	04, 60, 61	185	145	132	140	55	40	16	14	165	211	82	194	40	24	27	8

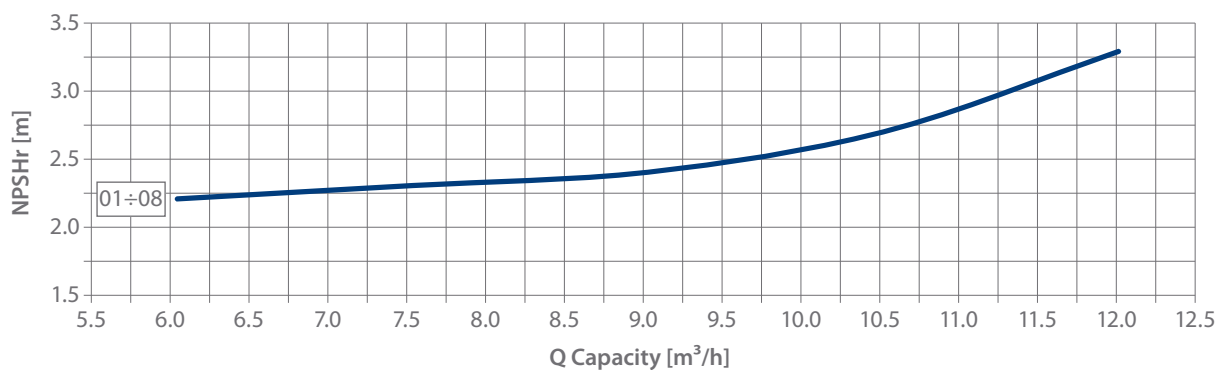
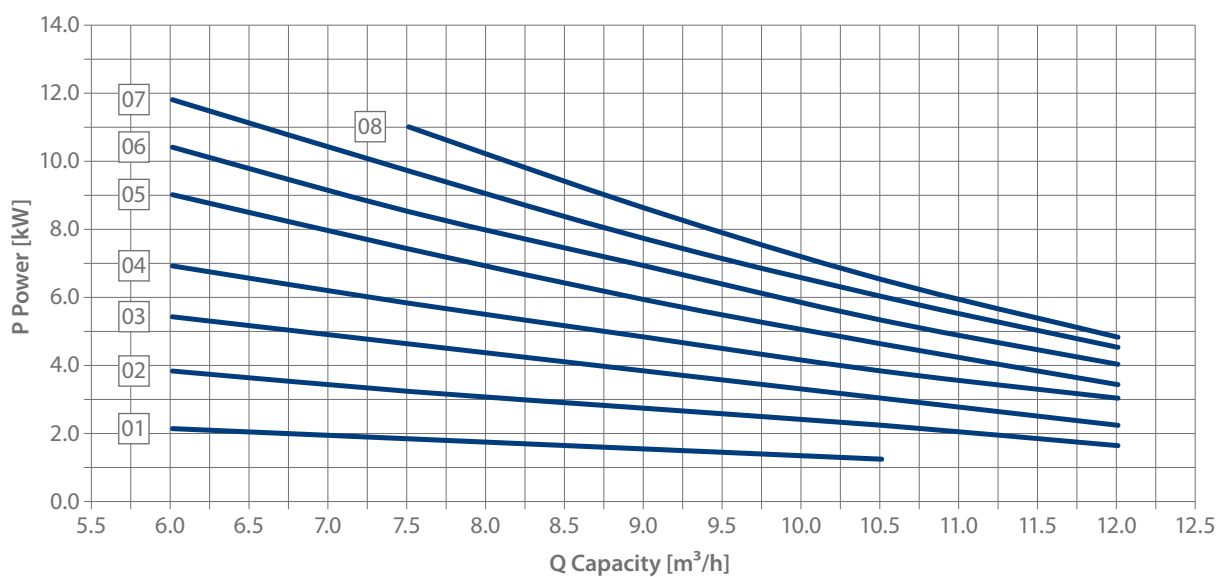
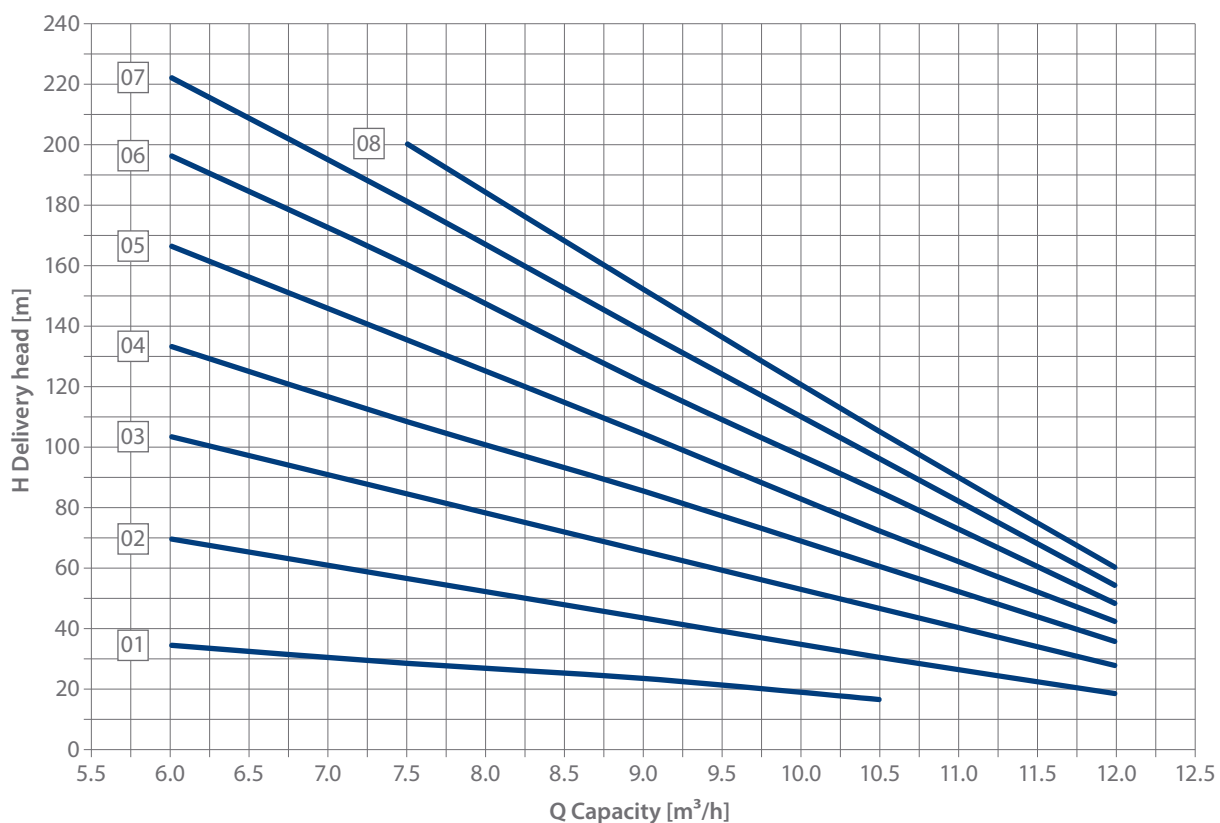
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Dimension	l ₁	l ₂	l ₃
SKA.5.01	126	300	253
SKA.5.02	156	330	283
SKA.5.03	186	360	313
SKA.5.04	216	390	343
SKA.5.05	246	420	373
SKA.5.06	276	450	403
SKA.5.07	306	480	433
SKA.5.08	336	510	463

for e ₁ e ₁ = 04, 60, 61			
Dimension	l ₁	l ₂	l ₃
SKA.5.01	126	370	323
SKA.5.02	156	400	353
SKA.5.03	186	430	383
SKA.5.04	216	470	413
SKA.5.05	246	490	443
SKA.5.06	276	520	473
SKA.5.07	306	550	503
SKA.5.08	336	580	533

Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	D	F
60.48.01.1	822	340	360	198	296	180	505	260	162	14
60.48.02.1	822	340	360	198	296	180	505	260	162	14
60.48.03.1	822	340	360	198	296	180	505	260	162	14
60.49.01.1	957	400	420	198	337	200	610	300	162	14
60.50.01.1	1082	440	480	198	337	220	710	300	162	14
60.50.02.1	1082	440	480	198	337	220	710	300	162	14
60.51.01.1	1207	440	530	198	372	250	750	336	162	14

SKA.6 CHARACTERISTICS



SKA.6 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 01, 05, 10, 11, 12, 35, 36, 37													
SKA.6.01	26,0	27,5	54	66	EZ1	90L4	1,5	400	60.48.01.1	—	332	296	814
SKA.6.01	26,0	29	55	72	EZ1	100L4A	2,2	400	60.48.03.1	—	332	296	828
SKA.6.01	26,0	29	55	82	EZ1	100L4B	3,0	400	60.48.03.1	—	332	296	830
SKA.6.02	28,5	32	58	75	EZ1	100L4A	2,2	400	60.48.03.1	—	332	296	863
SKA.6.02	28,5	32	58	85	EZ1	100L4B	3,0	400	60.48.03.1	—	332	296	865
SKA.6.02	28,5	32	58	99	EZ1	112M4	4,0	400	60.48.02.1	—	332	296	888
SKA.6.03	31,0	34	60	87	EZ1	100L4B	3,0	400	60.48.03.1	—	332	296	890
SKA.6.03	31,0	34	60	101	EZ1	112M4	4,0	400	60.48.02.1	—	332	296	918
SKA.6.03	31,0	35	61	116	EZ3	132S4	5,5	400	60.48.01.1	—	332	296	978
SKA.6.03	31,0	38	69	135	EZ3	132M4	7,5	400	60.49.01.1	—	332	337	1008
SKA.6.04	33,5	37	68	109	EZ1	112M4	4,0	400	60.49.01.1	60.40.05.1	332	337	949
SKA.6.04	33,5	38	69	124	EZ3	132S4	5,5	400	60.49.01.1	—	332	337	1008
SKA.6.04	33,5	51	72	138	EZ3	132M4	7,5	400	60.49.01.1	—	332	337	1043
SKA.6.05	43,0	46	77	118	EZ1	112M4	4,0	400	60.49.01.1	60.40.05.1	332	337	989
SKA.6.05	43,0	47	78	133	EZ3	132S4	5,5	400	60.49.01.1	—	332	337	1043
SKA.6.05	43,0	50	81	147	EZ3	132M4	7,5	400	60.49.01.1	—	332	337	1078
SKA.6.05	43,0	54	91	188	EZ3	160M4	11,0	400	60.50.02.1	—	360	337	1173
SKA.6.06	47,0	51	88	143	EZ3	132S4	5,5	400	60.50.01.1	—	332	337	1078
SKA.6.06	47,0	54	91	157	EZ3	132M4	7,5	400	60.50.01.1	—	332	337	1113
SKA.6.06	47,0	58	95	192	EZ3	160M4	11,0	400	60.50.02.1	—	360	337	1208
SKA.6.06	47,0	58	95	211	EZ3	160L4	15,0	400	60.50.02.1	—	360	337	1250
SKA.6.07	51,0	55	94	149	EZ3	132S4	5,5	400	60.50.01.1	—	332	337	1113
SKA.6.07	51,0	58	97	163	EZ3	132M4	7,5	400	60.50.01.1	—	332	337	1138
SKA.6.07	51,0	62	101	194	EZ3	160M4	11,0	400	60.50.02.1	—	360	337	1243
SKA.6.07	51,0	62	101	217	EZ3	160L4	15,0	400	60.51.01.1	—	360	372	1285
SKA.6.08	55,0	59	98	153	EZ3	132S4	5,5	400	60.50.01.1	—	332	337	1148
SKA.6.08	55,0	62	101	167	EZ3	132M4	7,7	400	60.50.01.1	—	332	337	1171
SKA.6.08	55,0	66	105	198	EZ3	160M4	11,0	400	60.50.02.1	—	360	337	1278
SKA.6.08	55,0	66	105	221	EZ3	160L4	15,0	400	60.51.01.1	—	360	372	1320

SKA.6 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
	Pump marking	with free shaft end	with coupling	with coupling and foundation plate									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 04, 60, 61													
SKA.6.01	31,0	32,5	59	71	EZ1	90L4	1,5	400	60.48.01.1	68.40.07.1	332	296	884
SKA.6.01	31,0	34,0	60	77	EZ1	100L4A	2,2	400	60.48.03.1	—	332	296	898
SKA.6.01	31,0	34,0	60	87	EZ1	100L4B	3,0	400	60.48.03.1	—	332	296	900
SKA.6.02	33,5	37,0	63	85	EZ1	100L4A	2,2	400	60.49.01.1	68.40.04.1	332	337	898
SKA.6.02	33,5	37,0	63	95	EZ1	100L4B	3,0	400	60.49.01.1	68.40.04.1	332	337	935
SKA.6.02	33,5	37,0	63	109	EZ1	112M4	4,0	400	60.49.01.1	68.40.05.1	332	337	958
SKA.6.03	36,0	39,0	65	97	EZ1	100L4B	3,0	400	60.49.01.1	68.40.04.1	332	337	960
SKA.6.03	36,0	39,0	65	111	EZ1	112M4	4,0	400	60.49.01.1	68.40.05.1	332	337	988
SKA.6.03	36,0	40,0	66	126	EZ3	132S4	5,5	400	60.49.01.1	—	332	337	1048
SKA.6.03	36,0	43,0	74	140	EZ3	132M4	7,5	400	60.49.01.1	—	332	337	1078
SKA.6.04	38,5	42,0	73	122	EZ1	112M4	4,0	400	60.50.01.1	68.40.05.1	332	337	1019
SKA.6.04	38,5	43,0	74	137	EZ3	132S4	5,5	400	60.50.01.1	—	332	337	1078
SKA.6.04	38,5	46,0	77	151	EZ3	132M4	7,5	400	60.50.01.1	—	332	337	1113
SKA.6.05	48,0	51,0	82	131	EZ1	112M4	4,0	400	60.50.01.1	68.40.05.1	332	337	1059
SKA.6.05	48,0	52,0	83	146	EZ3	132S4	5,5	400	60.50.01.1	—	332	337	1113
SKA.6.05	48,0	55,0	86	160	EZ3	132M4	7,5	400	60.50.01.1	—	332	337	1148
SKA.6.05	48,0	59,0	96	193	EZ3	160M4	11,0	400	60.51.01.1	—	360	372	1243
SKA.6.06	52,0	56,0	93	148	EZ3	132S4	5,5	400	60.50.01.1	—	332	337	1148
SKA.6.06	52,0	59,0	96	162	EZ3	132M4	7,5	400	60.50.01.1	—	332	337	1208
SKA.6.06	52,0	63,0	100	197	EZ3	160M4	11,0	400	60.51.01.1	—	360	372	1278

Table of capacity and absorbed power on the shaft SKA.6

Pump marking	Capacity Q [m³/h]									
	6		7,5		9		10,5		12	
	Capacity Q [l/min]									
	100		125		150		175		200	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKA.6.01	34	2,10	28	1,80	23	1,50	16	1,20	—	—
SKA.6.02	69	3,80	56	3,20	43	2,70	30	2,20	18	1,60
SKA.6.03	103	5,40	84	4,60	65	3,80	46	3,00	27	2,20
SKA.6.04	133	6,90	108	5,80	85	4,80	60	3,80	35	3,0
SKA.6.05	166	9,00	135	7,40	104	5,90	72	4,60	42	3,40
SKA.6.06	196	10,4	160	8,50	121	6,90	85	5,30	48	4,00
SKA.6.07	222	11,8	181	9,70	138	7,70	96	6,00	54	4,50
SKA.6.08	—	—	200	11,0	152	8,60	105	6,50	60	4,80

Flange dimensions

Pump type dimension	f ₁	e	f	g	i
SKA.6	40	110	145	18	4

i – quantity of holes

Pump dimension

Pump type size	for e ₁ e ₁ =	Pump												Shaft			
		b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	w	l	d	t	u
SKA.6	01, 05, 10, 11, 12, 35, 36, 37	185	145	132	140	55	40	16	14	130	176	82	194	40	24	27	8
SKA.6	04, 60, 61	185	145	132	140	55	40	16	14	165	211	82	194	40	24	27	8

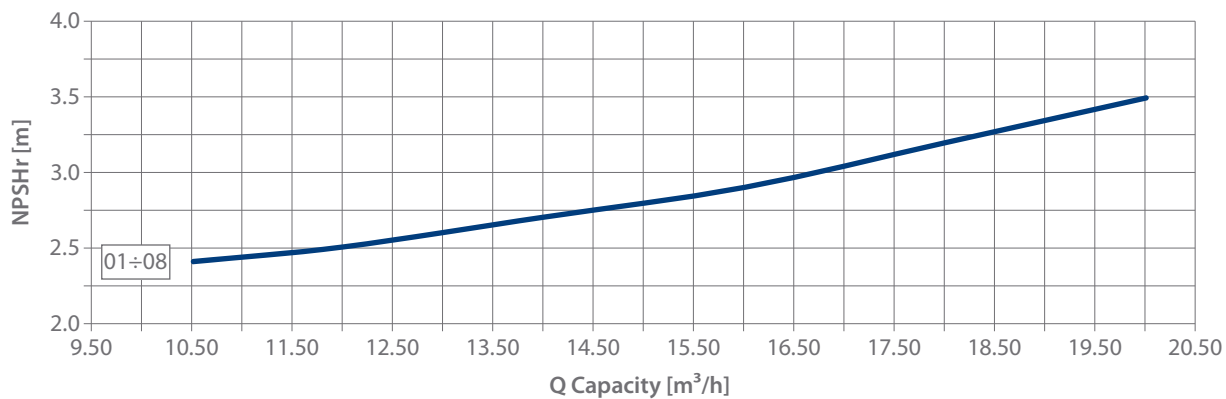
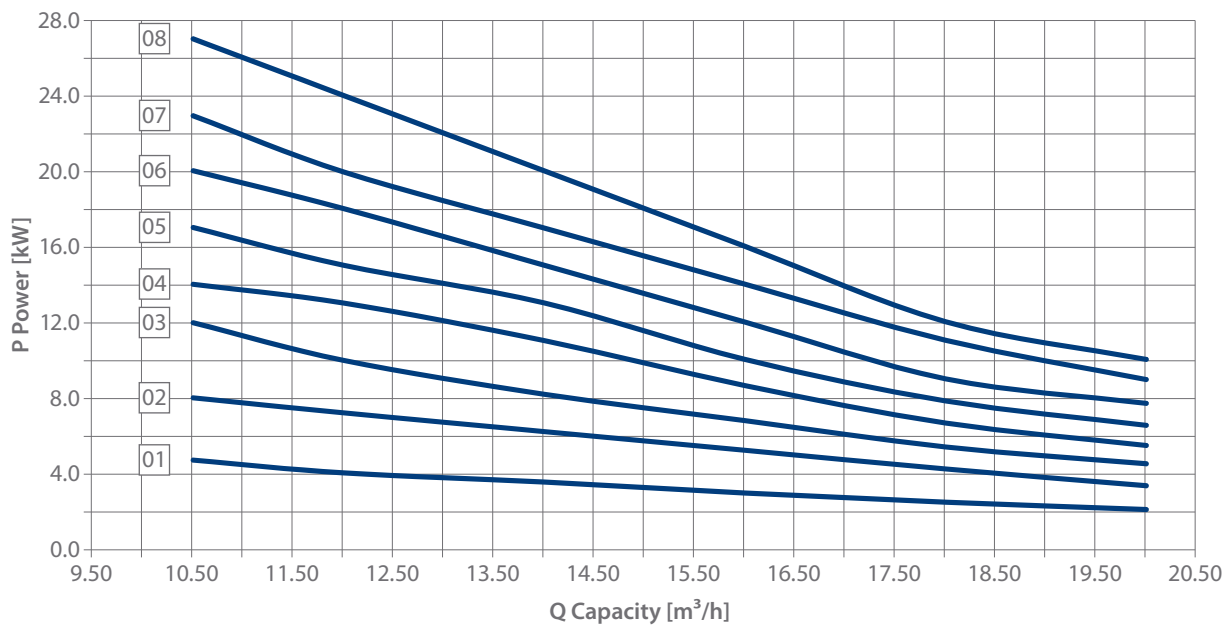
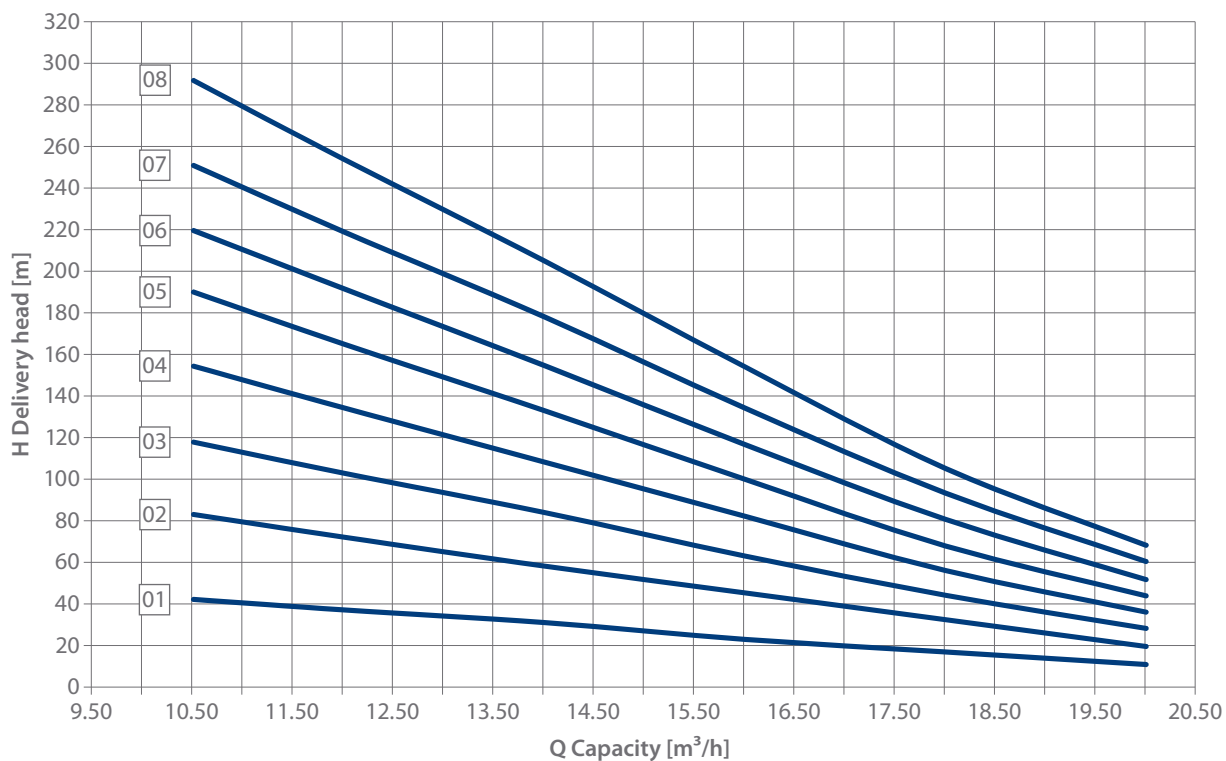
for e ₁ e ₁ = 01, 05, 10, 11, 12, 35, 36, 37			
Dimension	l ₁	l ₂	l ₃
SKA.6.01	133	307	260
SKA.6.02	168	342	295
SKA.6.03	203	377	330
SKA.6.04	238	412	365
SKA.6.05	273	447	400
SKA.6.06	308	482	435
SKA.6.07	343	517	470
SKA.6.08	378	552	505

for e ₁ e ₁ = 04, 60, 61			
Dimension	l ₁	l ₂	l ₃
SKA.6.01	133	377	330
SKA.6.02	168	412	365
SKA.6.03	203	447	400
SKA.6.04	238	482	435
SKA.6.05	273	517	470
SKA.6.06	308	552	505
SKA.6.07	343	587	540
SKA.6.08	378	622	575

Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	D	F
60.48.01.1	822	340	360	198	296	180	505	260	162	14
60.48.02.1	822	340	360	198	296	180	505	260	162	14
60.48.03.1	822	340	360	198	296	180	505	260	162	14
60.49.01.1	957	400	420	198	337	200	610	300	162	14
60.50.01.1	1082	440	480	198	337	220	710	300	162	14
60.50.02.1	1082	440	480	198	337	220	710	300	162	14
60.51.01.1	1207	440	530	198	372	250	750	336	162	14

SKA.7 CHARACTERISTICS



SKA.7 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
	Pump marking	with free shaft end	with coupling	with coupling and foundation plate									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 01, 05, 11, 12, 23, 36, 37													
SKA.7.01	44	47	78	105	EZ1	100L4B	3,0	400	60.52.01.1	68.40.15.1	395	288	905
SKA.7.01	44	47	78	119	EZ1	112M4	4,0	400	60.52.01.1	68.40.01.1	395	288	928
SKA.7.01	44	48	79	135	EZ3	132S4	5,5	400	60.52.01.1	—	395	288	971
SKA.7.02	51	54	85	125	EZ1	112M4	4,0	400	60.52.01.1	68.40.01.1	395	288	970
SKA.7.02	51	55	86	141	EZ3	132S4	5,5	400	60.52.01.1	—	395	288	1014
SKA.7.02	51	58	89	155	EZ3	132M4	7,5	400	60.52.01.1	—	395	288	1054
SKA.7.02	51	57	89	185	EZ3	160M4	11,0	400	60.53.01.1	—	395	322	1144
SKA.7.03	57	61	92	147	EZ3	132S4	5,5	400	60.52.01.1	—	395	288	1054
SKA.7.03	57	64	95	161	EZ3	132M4	7,5	400	60.52.01.1	—	395	288	1054
SKA.7.03	57	63	95	191	EZ3	160M4	11,0	400	60.53.01.1	—	395	322	1189
SKA.7.03	57	63	102	217	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	415	362	1234
SKA.7.04	63	67	97	152	EZ3	132S4	5,5	400	60.54.01.1	—	395	288	1099
SKA.7.04	63	70	10	166	EZ3	132M4	7,5	400	60.54.01.1	—	395	288	1139
SKA.7.04	63	69	108	204	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	415	362	1229
SKA.7.04	63	69	108	223	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	415	362	1274
SKA.7.04	63	69	108	251	EZ7	180M4	18,5	400	60.55.01.1	—	415	362	1317
SKA.7.05	70	74	104	159	EZ3	132S4	5,5	400	60.54.01.1	—	395	288	1139
SKA.7.05	70	77	107	173	EZ3	132M4	7,5	400	60.54.01.1	—	395	288	1179
SKA.7.05	70	76	115	211	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	415	362	1274
SKA.7.05	70	76	115	230	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	415	362	1314
SKA.7.05	70	76	115	258	EZ7	180M4	18,5	400	60.55.01.1	—	415	362	1362
SKA.7.05	70	80	119	285	EZ7	180L4	22,0	400	60.55.01.1	—	415	362	1397
SKA.7.06	77	81	111	166	EZ3	132S4	5,5	400	60.54.01.1	—	395	288	1184
SKA.7.06	77	84	114	180	EZ3	132M4	7,5	400	60.54.01.1	—	395	288	1224
SKA.7.06	77	83	122	218	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	415	362	1314
SKA.7.06	77	83	122	237	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	415	362	1359
SKA.7.06	77	83	122	265	EZ7	180M4	18,5	400	60.55.01.1	—	415	362	1402
SKA.7.06	77	86	125	290	EZ7	180L4	22,0	400	60.55.01.1	—	415	362	1442
SKA.7.06	77	86	145	395	EZ7	200L4	30,0	400	60.57.01.1	—	435	412	1502
SKA.7.07	84	91	133	200	EZ3	132M4	7,5	400	60.56.01.1	68.40.20.1	395	322	1264
SKA.7.07	84	90	132	228	EZ3	160M4	11,0	400	60.56.01.1	—	395	322	1354
SKA.7.07	84	90	132	248	EZ3	160L4	15,0	400	60.56.01.1	—	395	322	1399
SKA.7.07	84	90	149	292	EZ7	180M4	18,5	400	60.57.01.1	68.40.19.1	435	412	1442
SKA.7.07	84	93	152	317	EZ7	180L4	22,0	400	60.57.01.1	68.40.19.1	435	412	1482
SKA.7.07	84	93	152	402	EZ7	200L4	30,0	400	60.57.01.1	—	435	412	1547
SKA.7.08	91	98	140	206	EZ3	132M4	7,5	400	60.56.01.1	68.40.20.1	395	322	1304
SKA.7.08	91	97	139	235	EZ3	160M4	11,0	400	60.56.01.1	—	395	322	1399
SKA.7.08	91	97	139	254	EZ3	160L4	15,0	400	60.56.01.1	—	395	322	1444
SKA.7.08	91	97	156	299	EZ7	180M4	18,5	400	60.57.01.1	68.40.19.1	435	412	1487
SKA.7.08	91	100	159	324	EZ7	180L4	22,0	400	60.57.01.1	68.40.19.1	435	412	1522
SKA.7.08	91	100	159	409	EZ7	200L4	30,0	400	60.57.01.1	—	435	412	1587

SKA.7 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 04, 60, 61													
SKA.7.01	53,0	56,0	87,0	114,0	EZ1	100L4B	3,0	400	60.52.01.1	68.40.15.1	395	288	965
SKA.7.01	53,0	56,0	87,0	128,0	EZ1	112M4	4,0	400	60.52.01.1	68.40.05.1	395	288	988
SKA.7.01	53,0	57,0	88,0	144,0	EZ3	132S4	5,5	400	60.52.01.1	—	395	288	1031
SKA.7.02	60,0	64,0	94,0	149,0	EZ3	132S4	5,5	400	60.54.01.1	—	395	288	1074
SKA.7.02	60,0	67,0	97,0	163,0	EZ3	132M4	7,5	400	60.54.01.1	—	395	288	1114
SKA.7.02	60,0	66,0	105,0	201,0	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	415	362	1204
SKA.7.03	66,0	70,0	100,0	155,0	EZ3	132S4	5,5	400	60.54.01.1	—	395	288	1114
SKA.7.03	66,0	73,0	103,0	169,0	EZ3	132M4	7,5	400	60.54.01.1	—	395	288	1154
SKA.7.03	66,0	72,0	111,0	207,0	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	415	362	1249
SKA.7.03	66,0	72,0	111,0	226,0	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	415	362	1294
SKA.7.04	72,0	76,0	106,0	161,0	EZ3	132S4	5,5	400	60.54.01.1	—	395	288	1159
SKA.7.04	72,0	79,0	109,0	175,0	EZ3	132M4	7,5	400	60.54.01.1	—	395	288	1199
SKA.7.04	72,0	78,0	117,0	213,0	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	415	362	1289
SKA.7.04	72,0	78,0	117,0	232,0	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	415	362	1334
SKA.7.04	72,0	78,0	117,0	260,0	EZ7	180M4	18,5	400	60.55.01.1	—	415	362	1377
SKA.7.05	79,5	86,5	128,5	194,5	EZ3	132M4	7,5	400	60.56.01.1	68.40.20.1	395	322	1239
SKA.7.05	79,5	85,5	127,5	223,5	EZ3	160M4	11,0	400	60.56.01.1	—	395	322	1334
SKA.7.05	79,5	85,5	127,5	242,5	EZ3	160L4	15,0	400	60.56.01.1	—	395	322	1374
SKA.7.05	79,5	85,5	144,5	287,5	EZ7	180M4	18,5	400	60.57.01.1	68.40.09.1	435	412	1422
SKA.7.05	79,5	89,5	148,5	313,5	EZ7	180L4	22,0	400	60.57.01.1	68.40.09.1	435	412	1457
SKA.7.06	86,5	93,5	135,5	201,5	EZ3	132M4	7,5	400	60.56.01.1	68.40.20.1	395	332	1284
SKA.7.06	86,5	92,5	134,5	230,5	EZ3	160M4	11,0	400	60.56.01.1	—	395	332	1374
SKA.7.06	86,5	92,5	134,5	249,5	EZ3	160L4	15,0	400	60.56.01.1	—	395	332	1419
SKA.7.06	86,5	92,5	151,5	294,5	EZ7	180M4	18,5	400	60.57.01.1	68.40.09.1	435	412	1462
SKA.7.06	86,5	95,5	154,5	319,5	EZ7	180L4	22,0	400	60.57.01.1	68.40.09.1	435	412	1482
SKA.7.07	93,5	99,5	161,5	304,5	EZ7	180M4	18,5	400	60.57.02.1	68.40.09.1	435	412	1502
SKA.7.07	93,5	102,5	164,5	329,5	EZ7	180L4	22,0	400	60.57.02.1	68.40.09.1	435	412	1542
SKA.7.08	100,5	106,5	168,5	311,5	EZ7	180M4	18,5	400	60.57.02.1	68.40.09.1	435	412	1547

Table of capacity and absorbed power on the shaft SKA.7

Pump marking	Capacity Q [m³/h]											
	10,5		12		14		16		18		20	
	Capacity Q [l/min]											
	175		200		233		267		300		333	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKA.7.01	41	4,7	36	4,0	30	3,5	22	2,9	16	2,4	10	2,0
SKA.7.02	82	8,0	71	7,2	57	6,2	44	5,2	31	4,2	18	3,3
SKA.7.03	117	12,0	102	10,0	83	8,2	62	6,8	43	5,4	27	4,5
SKA.7.04	153	14,0	133	13,0	107	11,0	81	8,6	55	6,6	35	5,4
SKA.7.05	189	17,0	164	15,0	132	13,0	99	10,0	67	7,8	43	6,5
SKA.7.06	219	20,0	191	18,0	154	15,0	116	12,0	80	9,0	51	7,7
SKA.7.07	250	23,0	218	20,0	177	17,0	133	14,0	92	11,0	59	8,9
SKA.7.08	291	27,0	253	24,0	204	20,0	153	16,0	104	12,0	67	10,0

Flange dimensions

Pump type dimension	f ₁	e	f	g	i
SKA.7	50	125	160	18	4

i – quantity of holes

Pump dimension

Pump type size	for e ₁ e ₁ =	Pump											Shaft			
		b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	l	d	t	u
SKA.7	01, 05, 11, 12, 23, 36, 37	200	150	160	165	65	50	16	14	155	222	108	60	28	31	8
SKA.7	04, 60, 61	200	150	160	165	65	50	16	14	185	252	108	60	28	31	8

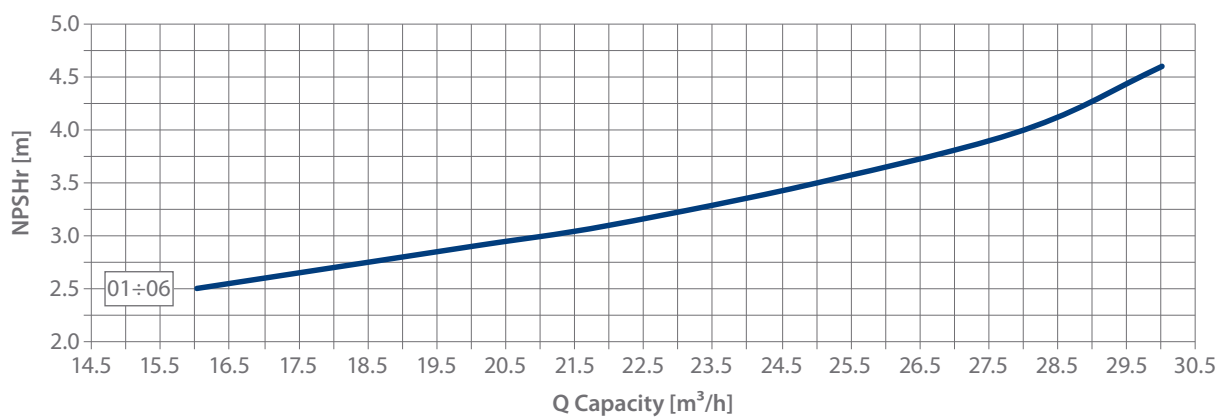
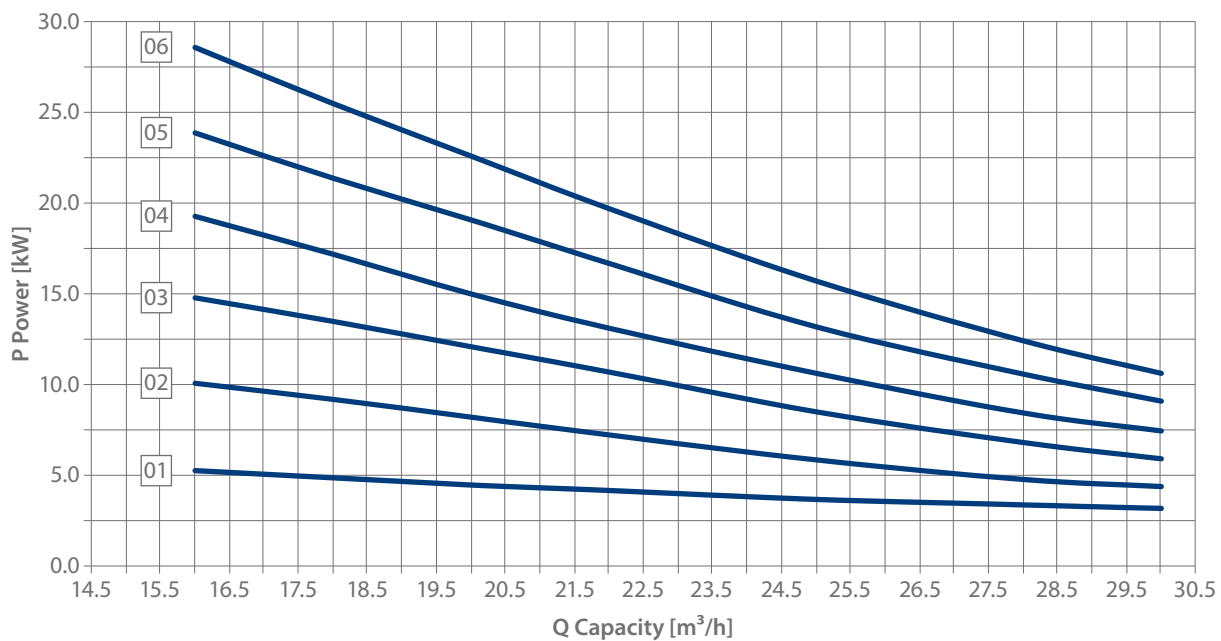
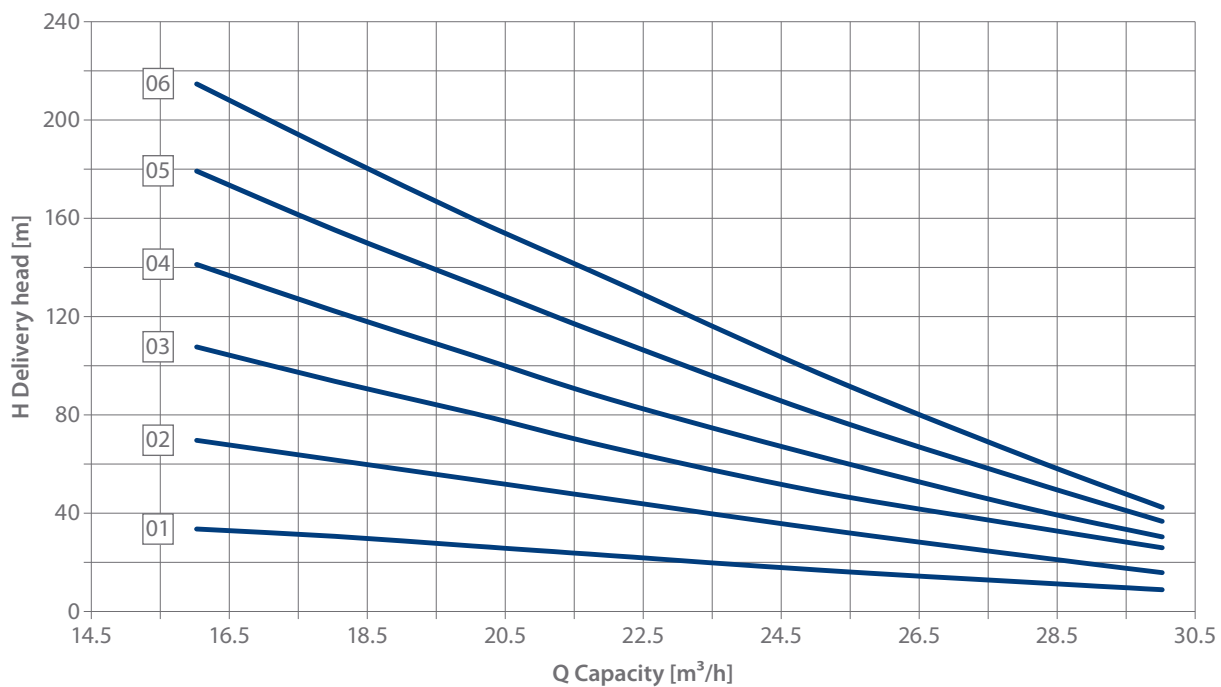
for e ₁ e ₁ = 01, 05, 11, 12, 23, 36, 37			
Dimension	l ₁	l ₂	l ₃
SKA.7.01	136	366	316
SKA.7.02	178	408	358
SKA.7.03	220	450	400
SKA.7.04	262	492	442
SKA.7.05	304	534	484
SKA.7.06	346	576	526
SKA.7.07	388	618	568
SKA.7.08	430	660	610

for e ₁ e ₁ = 04, 60, 61			
Dimension	l ₁	l ₂	l ₃
SKA.7.01	136	426	376
SKA.7.02	178	468	418
SKA.7.03	220	510	460
SKA.7.04	262	552	502
SKA.7.05	304	594	544
SKA.7.06	346	636	586
SKA.7.07	388	678	628
SKA.7.08	430	720	670

Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	D	F
60.52.01.1	966	400	390	212	288	210	560	252	176	14
60.53.01.1	1077	400	470	212	322	210	685	286	176	14
60.54.01.1	1126	520	420	212	288	240	720	252	176	14
60.55.01.1	1258	540	415	212	362	240	820	326	176	14
60.56.01.1	1286	600	400	212	322	250	820	286	176	14
60.57.01.1	1600	670	660	212	412	360	890	376	176	14
60.57.02.1	1600	670	660	212	412	360	890	376	176	14

SKA.8.01÷06 CHARACTERISTICS



SKA.8 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
	Pump marking	with free shaft end	with coupling	with coupling and foundation plate									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 01, 05, 11, 12, 23, 36, 37													
SKA.8.01	49	52	83	123	EZ1	112M4	4,0	400	60.52.01.1	68.40.15.1	390	288	953
SKA.8.01	49	53	84	139	EZ3	132S4	5,5	400	60.52.01.1	—	390	288	999
SKA.8.01	49	56	87	153	EZ3	132M4	7,5	400	60.52.01.1	—	390	288	1039
SKA.8.02	56	60	91	146	EZ3	132S4	5,5	400	60.52.01.1	—	390	288	1044
SKA.8.02	56	63	94	160	EZ3	132M4	7,5	400	60.52.01.1	—	390	288	1084
SKA.8.02	56	62	94	190	EZ3	160M4	11,0	400	60.53.01.1	68.40.19.1	390	322	1179
SKA.8.02	56	62	101	216	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	410	362	1224
SKA.8.03	63	70	100	166	EZ3	132M4	7,5	400	60.54.01.1	—	390	288	1134
SKA.8.03	63	69	108	204	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	410	362	1229
SKA.8.03	63	69	108	223	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	410	362	1274
SKA.8.03	63	69	108	251	EZ7	180M4	18,5	400	60.55.01.1	—	410	362	1317
SKA.8.04	70	77	107	173	EZ3	132M4	7,5	400	60.54.01.1	—	390	288	1184
SKA.8.04	70	76	115	211	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	410	362	1274
SKA.8.04	70	76	115	230	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	410	362	1319
SKA.8.04	70	76	115	258	EZ7	180M4	18,5	400	60.55.01.1	—	410	362	1362
SKA.8.04	70	79	118	283	EZ7	180L4	22,0	400	60.55.01.1	—	410	362	1402
SKA.8.05	81	87	126	222	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	410	362	1324
SKA.8.05	81	87	126	241	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	410	362	1369
SKA.8.05	81	87	126	269	EZ7	180M4	18,5	400	60.55.01.1	—	410	362	1412
SKA.8.05	81	90	129	294	EZ7	180L4	22,0	400	60.55.01.1	—	410	362	1452
SKA.8.05	81	90	149	399	EZ7	200L4	30,0	400	60.57.01.1	—	430	412	1517
SKA.8.06	88	94	136	232	EZ3	160M4	11,0	400	60.56.01.1	—	390	322	1374
SKA.8.06	88	94	136	251	EZ3	160L4	15,0	400	60.56.01.1	—	390	322	1418
SKA.8.06	88	94	153	296	EZ7	180M4	18,5	400	60.57.01.1	68.40.19.1	430	412	1462
SKA.8.06	88	97	156	321	EZ7	180L4	22,0	400	60.57.01.1	68.40.19.1	430	412	1502
SKA.8.06	88	97	156	406	EZ7	200L4	30,0	400	60.57.01.1	—	430	412	1567

SKA.8 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 04, 60, 61													
SKA.8.01	58	62	92	147	EZ3	132S4	5,5	400	60.54.01.1	—	390	288	1059
SKA.8.01	58	65	95	161	EZ3	132M4	7,5	400	60.54.01.1	—	390	288	1099
SKA.8.02	65	69	99	154	EZ3	132S4	5,5	400	60.54.01.1	—	390	288	1104
SKA.8.02	65	72	102	168	EZ3	132M4	7,5	400	60.54.01.1	—	390	288	1144
SKA.8.02	65	71	110	206	EZ3	160M4	11,0	400	60.55.01.1	68.40.09.1	410	362	1189
SKA.8.02	65	71	110	225	EZ3	160L4	15,0	400	60.55.01.1	68.40.09.1	410	362	1334
SKA.8.03	72	79	109	175	EZ3	132M4	7,5	400	60.54.01.1	—	390	288	1194
SKA.8.03	72	78	117	213	EZ3	160M4	11,0	400	60.55.01.1	68.40.09.1	410	362	1289
SKA.8.03	72	78	117	232	EZ3	160L4	15,0	400	60.55.01.1	68.40.09.1	410	362	1334
SKA.8.03	72	78	117	260	EZ7	180M4	18,5	400	60.55.01.1	—	410	362	1377
SKA.8.04	79	85	127	223	EZ3	160M4	11,0	400	60.56.01.1	—	390	322	1334
SKA.8.04	79	85	127	242	EZ3	160L4	15,0	400	60.56.01.1	—	390	322	1379
SKA.8.04	79	85	144	287	EZ7	180M4	18,5	400	60.57.01.1	68.40.09.1	430	412	1422
SKA.8.04	79	88	147	312	EZ7	180L4	22,0	400	60.57.01.1	68.40.09.1	430	412	1462
SKA.8.05	90,5	96,5	138,5	234,5	EZ3	160M4	11,0	400	60.56.01.1	—	390	322	1384
SKA.8.05	90,5	96,5	138,5	253,5	EZ3	160L4	15,0	400	60.56.01.1	—	390	322	1429
SKA.8.05	90,5	96,5	155,5	298,5	EZ7	180M4	18,5	400	60.57.01.1	68.40.09.1	430	412	1472
SKA.8.05	90,5	99,5	158,5	323,5	EZ7	180L4	22,0	400	60.57.01.1	68.40.09.1	430	412	1512
SKA.8.05	90,5	99,5	158,5	408,5	EZ7	200L4	30,0	400	60.57.01.1	—	430	412	1577
SKA.8.06	97,5	103,5	165,5	308,5	EZ7	180M4	18,5	400	60.57.02.1	68.40.09.1	430	412	1522
SKA.8.06	97,5	106,5	168,5	333,5	EZ7	180L4	22,0	400	60.57.02.1	68.40.09.1	430	412	1562

Table of capacity and absorbed power on the shaft SKA.8

Pump marking	Capacity Q [m³/h]													
	16		18		20		22		25		28		30	
	Capacity Q [l/min]													
	267		300		333		366		417		467		500	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKA.8.01	33	5,10	30	4,70	26	4,3	22	4,00	16	3,50	11	3,2	—	—
SKA.8.02	69	10,0	61	9,10	53	8,1	45	7,10	33	5,70	22	4,6	15	4,2
SKA.8.03	107	14,7	93	13,4	80	12,0	66	10,6	48	8,40	34	6,7	25	5,8
SKA.8.04	141	19,2	122	17,1	104	14,9	86	13,0	63	10,5	42	8,3	30	7,3
SKA.8.05	179	23,8	155	21,3	133	19,0	111	16,6	80	13,1	53	10,5	36	9,0
SKA.8.06	—	—	187	25,4	160	22,5	135	19,6	97	15,6	63	12,3	42	10,5

Flange dimensions

Pump type dimension	f ₁	e	f	g	i
SKA.8.01	65	145	180	18	4
SKA.8.02÷06	65	145	185	18	8

i – quantity of holes

Pump dimension

Pump type size	for e ₁ e ₁ =	Pump											Shaft			
		b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	l	d	t	u
SKA.8	01, 05, 11, 12, 23, 36, 37	200	150	160	160	65	50	16	14	163	216	108	60	28	31	8
SKA.8	04, 60, 61	200	150	160	160	65	50	16	14	185	246	108	60	28	31	8

for e ₁ e ₁ = 01, 05, 11, 12, 23, 36, 37			
Dimension	l ₁	l ₂	l ₃
SKA.8.01	160	392	342
SKA.8.02	209	441	391
SKA.8.03	258	490	440
SKA.8.04	307	539	489
SKA.8.05	356	588	538
SKA.8.06	405	637	587

for e ₁ e ₁ = 04, 60, 61			
Dimension	l ₁	l ₂	l ₃
SKA.8.01	160	452	402
SKA.8.02	209	501	451
SKA.8.03	258	550	500
SKA.8.04	307	599	549
SKA.8.05	356	648	598
SKA.8.06	405	697	647

Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	D	F
60.52.01.1	966	400	390	212	288	210	560	252	176	14
60.53.01.1	1077	400	470	212	322	210	685	286	176	14
60.54.01.1	1126	520	420	212	288	240	720	252	176	14
60.55.01.1	1258	540	415	212	362	240	820	326	176	14
60.56.01.1	1286	600	400	212	322	250	820	286	176	14
60.57.01.1	1600	670	660	212	412	360	890	376	176	14
60.57.02.1	1600	670	660	212	412	360	890	376	176	14

General information

Self-priming rotodynamic pumps of SKB type with side ring channel and opened impeller are designed for pumping liquids in the scope of the corrosion resistance of materials used for pump's construction. The biggest advantage of SKB pumps is the self – priming ability without the necessity of suction pipe line priming. The pump gains the self – priming ability after previous priming with liquid. Those pumps can work in transportable devices. It's permitted to pump liquids about density to 1300 kg/m³ for SKB.2 pumps and to 1000 kg/m³ for SKB.3 and 4, viscosity to 150 mm²/s for SKB.2 and 10 mm²/s for SKB.3 and 4.

Technical data

Capacity	0,3÷4,5 m ³ /h
Delivery head	to 64 m*
Pumped liquid temperature	to 110°C (SKB.2), to 40°C (SKB.3 and 4)
Liquid density	to 1300 kg/m ³ (SKB.2), to 1000 kg/m ³ (SKB.3 and 4)
Liquid viscosity	to 150 mm ² /s (SKB.2), to 10 mm ² /s (SKB 3 and 4)
Weight	22,2÷47,0 kg
Motor power	0,25÷2,2 kW
Rotational speed	1450 r.p.m ² (50 Hz) and 1800 r.p.m (60 Hz)
Rotation direction	clockwise looking on pumps from the drive side
Shaft seal	cord seal or mechanical end-face seal

• for SKB.2 pumps permissible manometric pressure can not exceed 0,8 MPa

• for SKB.3 and 4 permissible manometric pressure can not exceed 1,0 MPa

* for hot liquid from +70 to 110 pump delivery head is reduced about 10%.

Liquid inflow to the pump is required.

Product marking structure



aa Classification group

f Product variety (B – with ball bearing on suction and slide bearing on discharge side)

b Pump type size (2 ÷ 4)

cc Pump type dimension (number of stages – 1 ÷ 4)

d Pump material execution according to the point *Material execution*

ee₁ee₂ Pump constructional execution according to the point *Constructional execution*

h Delivery completeness according to the point *Delivery completeness*

iii In-house marking of assembly with drive unit given by the manufacturer

k Product's cosmetics according to the point *Cosmetics (Protective coating)*

e – working temperature
e = 1 – working temperature –30°C +70°C
e = 2 – working temperature +70°C +110°C
e₁ – kind of mechanical seal
e₂ – reserve always marked with number “0”
 Special executions for all ee₁ee₂ are marked with number “9”

Example of correct pump marking: **SKB.2.02.2.1020.3.103.1**

Materials used in pump of SKB type construction

Pumps of SKB.2 type are produced in four material executions

Pump's element	Material execution “d”			
	1	2	3	4
Casing	grey cast iron	tin bronze	grey cast iron	grey cast iron
Members	grey cast iron	chromium cast iron	grey cast iron	chromium cast iron
Impeller	tin bronze	tin bronze	cast carbon steel	tin bronze
Shaft	stainless steel	acid resistant steel	stainless steel	acid resistant steel
Shaft seal	soft cord seal* / mechanical end-face seal*			

* choice of seal material depends on pumped medium

Pumps of SKB.3 and 4 type are produced in one material executions

Pump's element	Material execution “d”
	1
Casing	grey cast iron
Members	grey cast iron
Impeller	tin bronze
Shaft	stainless steel
Shaft seal	soft cord seal* / mechanical end-face seal*

* choice of seal material depends on pumped medium

Delivery completeness

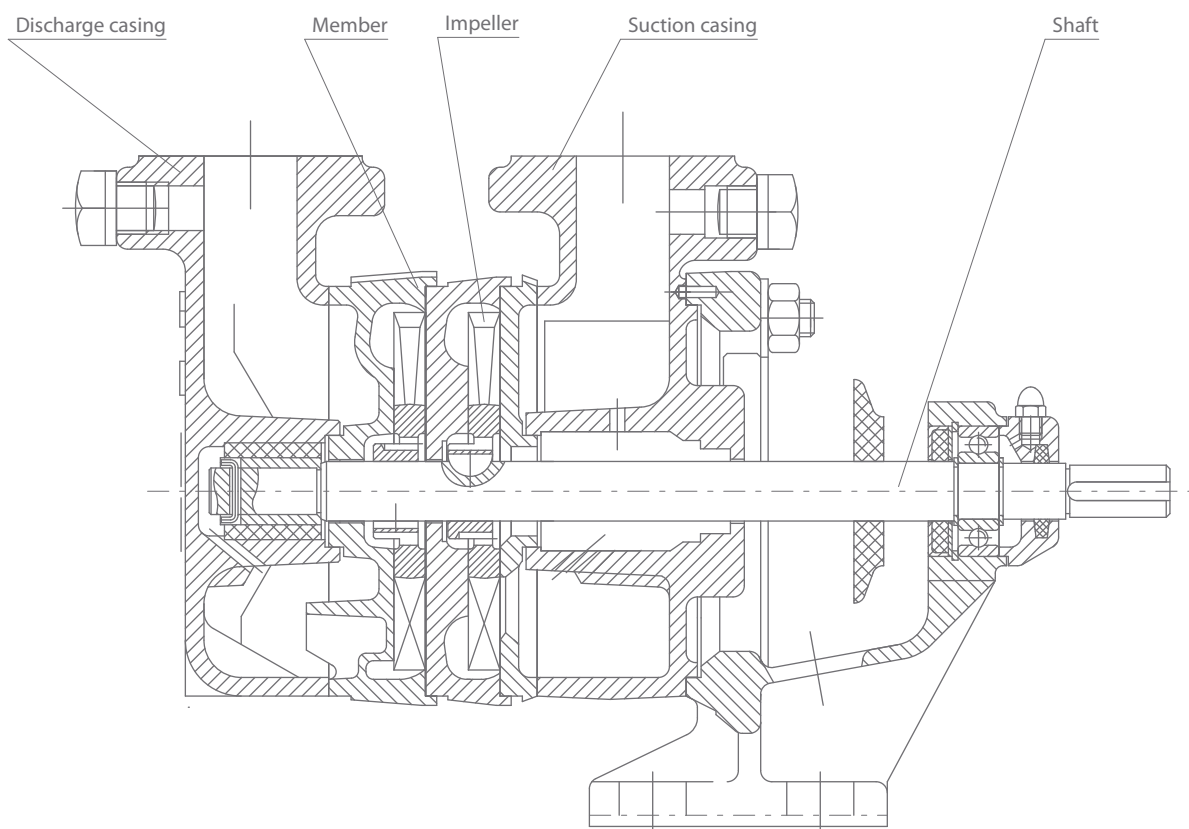
No of completeness	
1	pump with free shaft's end
2	pump with coupling
3	pump with coupling and foundation plate
5	completeness 3 plus electric motor

Constructional execution used in pumps

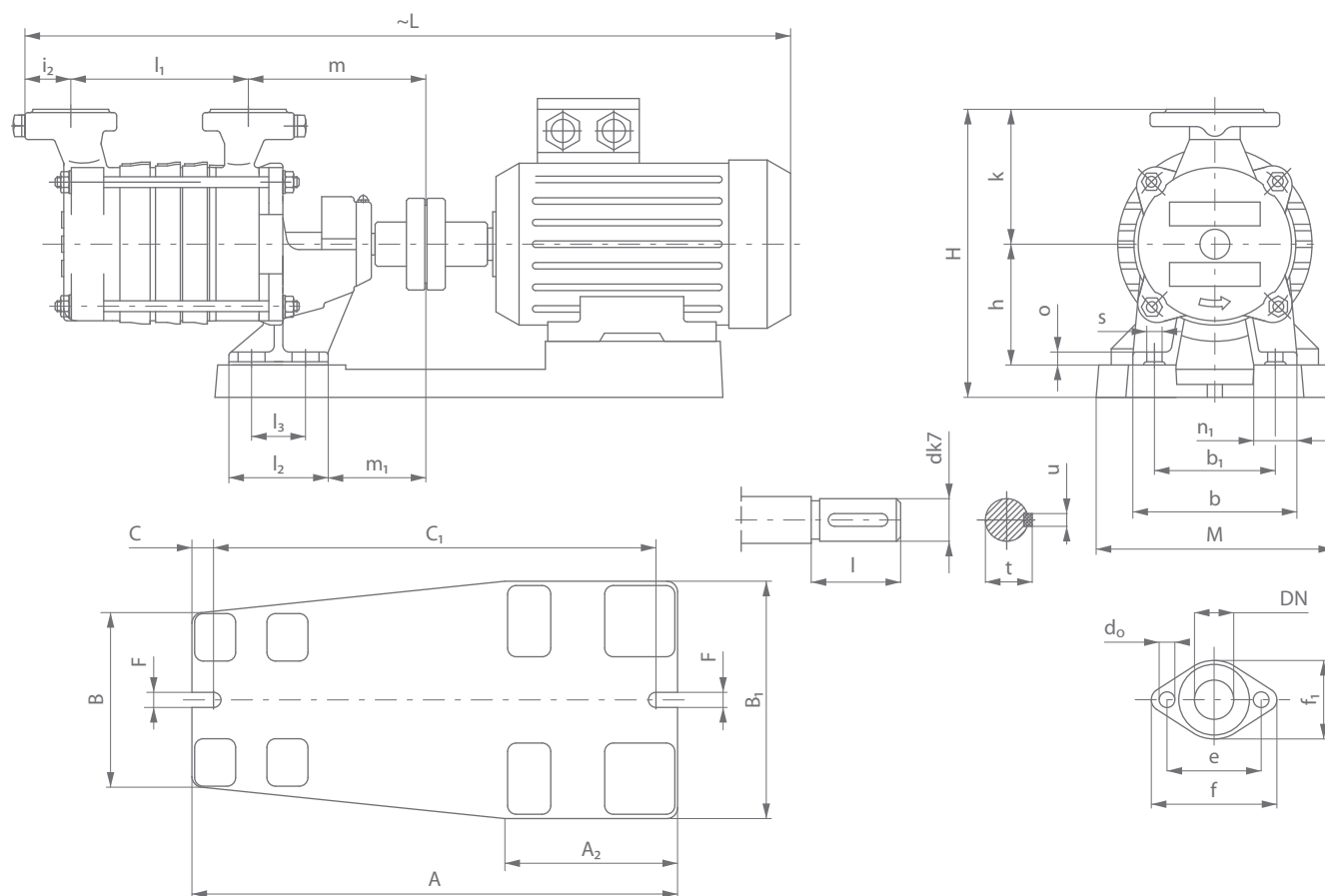
Constructional executions used in SKB pumps

No. of constructional execution				Name of constructional execution	SKB pumps		
e	e ₁	e ₁	e ₂		2	3	4
1020				Pump with cord seal for liquids of temperature $-30^{\circ}\text{C} \div +70^{\circ}\text{C}$	×		
1040				Pump with cord seal with chamber for liquids of temperature $-30^{\circ}\text{C} \div +70^{\circ}\text{C}$	×		
1100				Pump with A1 type single end-face seal for liquids of temperature $-30^{\circ}\text{C} \div +70^{\circ}\text{C}$	×		
1150				Pump with V type single end-face seal – hydrophore pump for liquids of temperature $0^{\circ}\text{C} \div +40^{\circ}\text{C}$ concerns 03 ÷ 04 stages of material execution 1	×		
1170				Pump with single end-face seal of 2100 type for liquids of temperature $-30^{\circ}\text{C} \div +70^{\circ}\text{C}$	×		
1350				Pump with single end-face seal of A1 type with Quenching for liquids of temperature $-30^{\circ}\text{C} \div +70^{\circ}\text{C}$	×		
1420				Pump with single end-face seal of 2100 type with Quenching for liquids of temperature $-30^{\circ}\text{C} \div +70^{\circ}\text{C}$	×		
1600				Pump with double end-face seal in BACK TO BACK system of V+V type with barrier liquid for liquids about temperatures $-30^{\circ}\text{C} \div +70^{\circ}\text{C}$	×		
2020				Pump with cord seal for liquids of temperature $+70^{\circ}\text{C} \div +110^{\circ}\text{C}$	×		
2040				Pump with cord seal with chamber for liquids of temperature $+70^{\circ}\text{C} \div +110^{\circ}\text{C}$	×		
2100				Pump with single end-face seal of A1 type for liquids of temperature $+70^{\circ}\text{C} \div +110^{\circ}\text{C}$	×		
2170				Pump with single end-face seal of 2100 type for liquids of temperature $+70^{\circ}\text{C} \div +110^{\circ}\text{C}$	×		
2350				Pump with single end-face seal of A1 type with Quenching for liquids of temperature $+70^{\circ}\text{C} \div +110^{\circ}\text{C}$	×		
2420				Pump with single end-face seal of 2100 type with Quenching for liquids of temperature $+70^{\circ}\text{C} \div +110^{\circ}\text{C}$	×		
2600				Pump with double end-face seal, in BACK TO BACK housing of V+V type with barrier liquid for liquids of temperature $+70^{\circ}\text{C} \div +110^{\circ}\text{C}$	×		
4100				Pump with single end-face seal for liquids of temperature $0^{\circ}\text{C} \div +40^{\circ}\text{C}$		×	×
4150				Hydrophore pump with end-face seal of A1 type for liquids of temperature $0^{\circ}\text{C} \div +40^{\circ}\text{C}$		×	×
4170				Pump with single end-face seal of 2100 type for liquids of temperature $0^{\circ}\text{C} \div +40^{\circ}\text{C}$		×	×
4180				Hydrophore pump with single end-face seal of 2100 type for liquids of temperature $0^{\circ}\text{C} \div +40^{\circ}\text{C}$		×	×

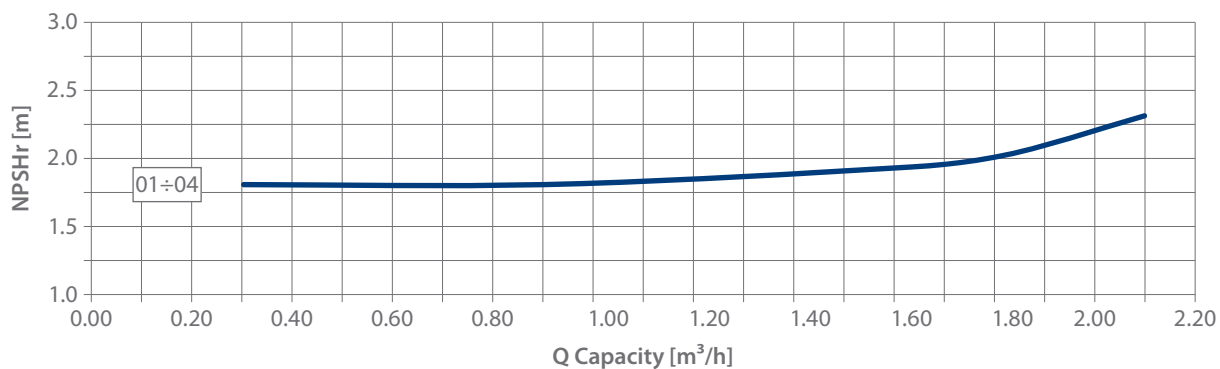
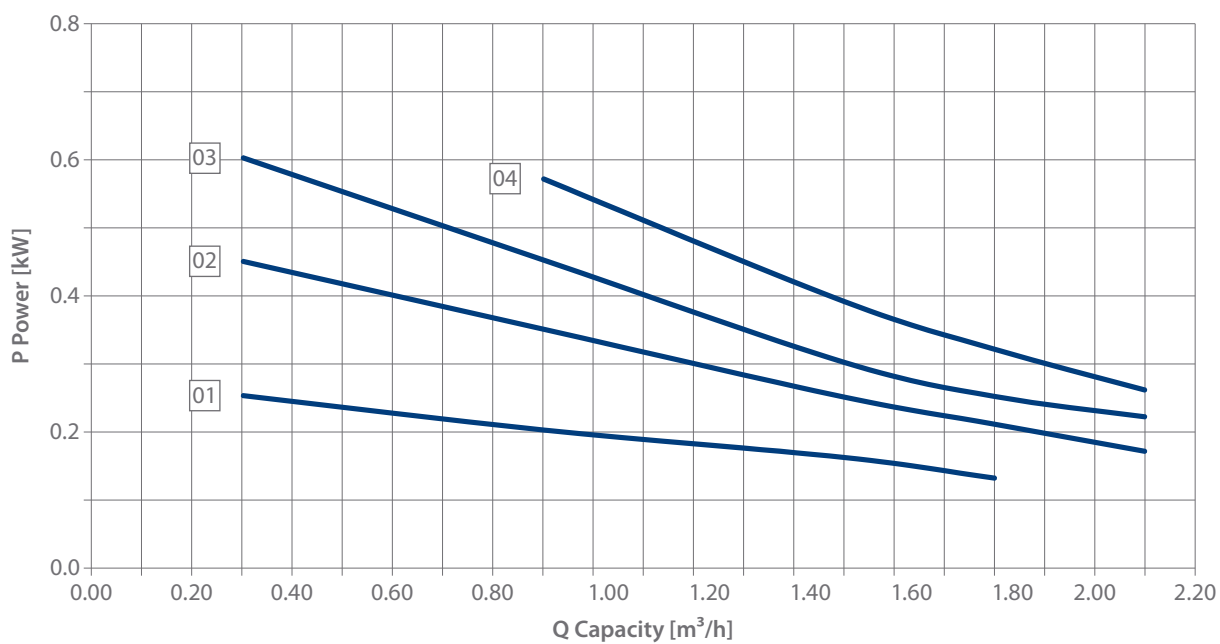
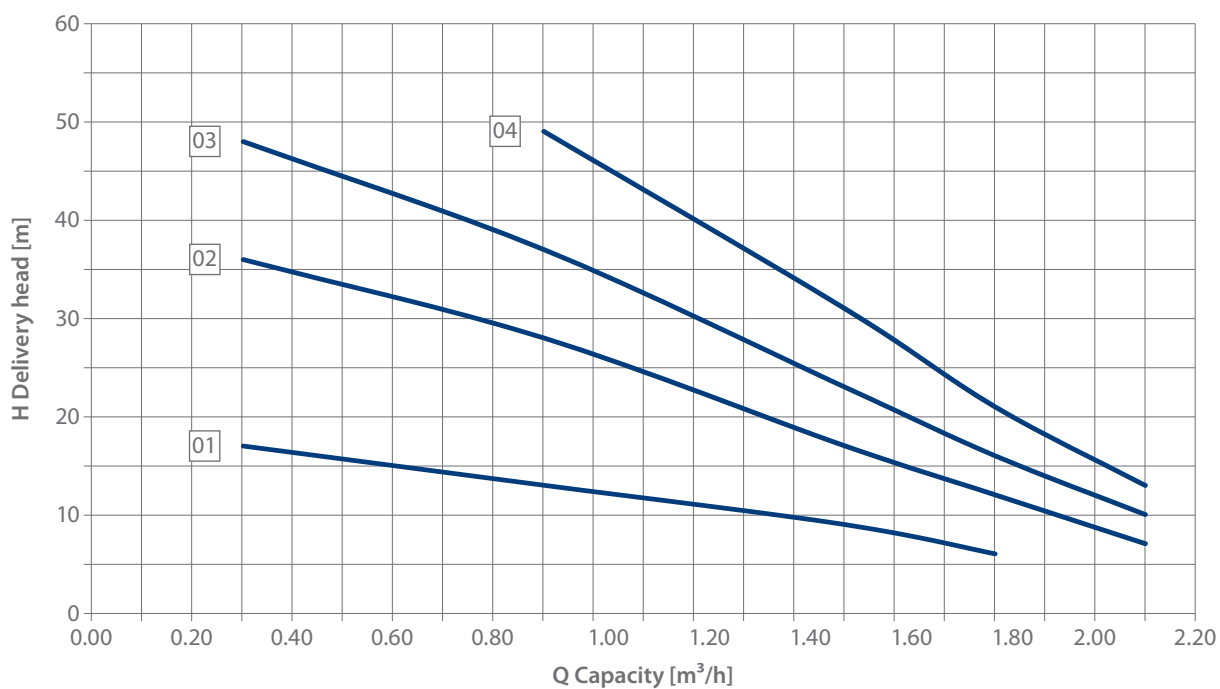
SKB pump selection



Overall dimensions drawing of SKB



SKB.2 CHARACTERISTICS



SKB.2 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 02, 10, 15*, 17, 35, 42													
SKB.2.01	7,2	8,2	17,2	23,7	EZ1	714B	0,25	230	60.58.01.1	68.40.29.1	215	165	493
SKB.2.01	7,2	8,2	17,2	25,0	EZ1	714C	0,37	230	60.58.01.1	68.40.29.1	215	165	509
SKB.2.01	7,2	8,2	17,2	22,2	EZ1	714A	0,25	400	60.58.01.1	68.40.29.1	215	165	472
SKB.2.01	7,2	8,2	17,2	23,5	EZ1	714B	0,37	400	60.58.01.1	68.40.29.1	215	165	491
SKB.2.02	8,5	9,5	18,5	25,0	EZ1	714B	0,25	230	60.58.01.1	68.40.29.1	215	165	513
SKB.2.02	8,5	9,5	18,5	26,0	EZ1	714C	0,37	230	60.58.01.1	68.40.29.1	215	165	529
SKB.2.02	8,5	9,5	18,5	29,0	EZ1	804B	0,55	230	60.58.01.1	—	215	165	550
SKB.2.02	8,5	9,5	18,5	30,5	EZ1	804C	0,75	230	60.58.01.1	—	215	165	572
SKB.2.02	8,5	9,5	18,5	23,5	EZ1	714A	0,25	400	60.58.01.1	68.40.29.1	215	165	492
SKB.2.02	8,5	9,5	18,5	25,0	EZ1	714B	0,37	400	60.58.01.1	68.40.29.1	215	165	511
SKB.2.02	8,5	9,5	18,5	26,5	EZ1	804A	0,55	400	60.58.01.1	—	215	165	529
SKB.2.02	8,5	9,5	18,5	28,0	EZ1	804B	0,75	400	60.58.01.1	—	215	165	549
SKB.2.03	9,8	10,8	19,8	30,0	EZ1	804B	0,55	230	60.58.01.1	—	215	165	570
SKB.2.03	9,8	10,8	19,8	31,5	EZ1	804C	0,75	230	60.58.01.1	—	215	165	592
SKB.2.03	9,8	10,8	19,8	27,8	EZ1	804A	0,55	400	60.58.01.1	68.40.29.1	215	165	549
SKB.2.03	9,8	10,8	19,8	29,5	EZ1	804B	0,75	400	60.58.01.1	—	215	165	569
SKB.2.04	11,1	12,1	21,0	31,0	EZ1	804B	0,55	230	60.58.01.1	—	215	165	590
SKB.2.04	11,1	12,1	21,0	33,0	EZ1	804C	0,75	230	60.58.01.1	—	215	165	612
SKB.2.04	11,1	12,1	21,0	29,0	EZ1	804A	0,55	400	60.58.01.1	68.40.29.1	215	165	569
SKB.2.04	11,1	12,1	21,0	31,0	EZ1	804B	0,75	400	60.58.01.1	—	215	165	589

1	2	3	4	5	6	7	8	9	10	11	12	13	14
for $e_1 = 04, 35, 60$													
SKB.2.01	8,7	9,7	18,7	25,2	EZ1	714B	0,25	230	60.58.01.1	68.40.29.1	215	165	518
SKB.2.01	8,7	9,7	18,7	26,5	EZ1	714C	0,37	230	60.58.01.1	68.40.29.1	215	165	534
SKB.2.01	8,7	9,7	18,7	23,7	EZ1	714A	0,25	400	60.58.01.1	68.40.29.1	215	165	497
SKB.2.01	8,7	9,7	18,7	25,0	EZ1	714B	0,37	400	60.58.01.1	68.40.29.1	215	165	516
SKB.2.02	10,0	11,0	20,0	26,5	EZ1	714B	0,25	230	60.58.01.1	68.40.29.1	215	165	538
SKB.2.02	10,0	11,0	20,0	27,5	EZ1	714C	0,37	230	60.58.01.1	68.40.29.1	215	165	554
SKB.2.02	10,0	11,0	20,0	30,5	EZ1	804B	0,55	230	60.58.01.1	—	215	165	575
SKB.2.02	10,0	11,0	20,0	32,0	EZ1	804C	0,75	230	60.58.01.1	—	215	165	597
SKB.2.02	10,0	11,0	20,0	25,0	EZ1	714A	0,25	400	60.58.01.1	68.40.29.1	215	165	517
SKB.2.02	10,0	11,0	20,0	26,5	EZ1	714B	0,37	400	60.58.01.1	68.40.29.1	215	165	536
SKB.2.02	10,0	11,0	20,0	28,0	EZ1	804A	0,55	400	60.58.01.1	—	215	165	554
SKB.2.02	10,0	11,0	20,0	29,5	EZ1	804B	0,75	400	60.58.01.1	—	215	165	574
SKB.2.03	11,3	12,3	21,3	31,5	EZ1	804B	0,55	230	60.58.01.1	—	215	165	595
SKB.2.03	11,3	12,3	21,3	33,0	EZ1	804C	0,75	230	60.58.01.1	—	215	165	617
SKB.2.03	11,3	12,3	21,3	29,3	EZ1	804A	0,55	400	60.58.01.1	68.40.29.1	215	165	574
SKB.2.03	11,3	12,3	21,3	32,0	EZ1	804B	0,75	400	60.58.01.1	—	215	165	594
SKB.2.04	12,6	13,6	22,5	32,5	EZ1	804B	0,55	230	60.58.01.1	—	215	165	615
SKB.2.04	12,6	13,6	22,5	34,5	EZ1	804C	0,75	230	60.58.01.1	—	215	165	637
SKB.2.04	12,6	13,6	22,5	31,0	EZ1	804A	0,55	400	60.58.01.1	68.40.29.1	215	165	594
SKB.2.04	12,6	13,6	22,5	32,5	EZ1	804B	0,75	400	60.58.01.1	—	215	165	614

* concerns SKB.2.03÷04 in material execution 1



Table of capacity and absorbed power on the shaft SKB.2

Pump marking	Capacity Q [m³/h]									
	0,3		0,9		1,5		1,8		2,1	
	Capacity Q [l/min]									
	5		15		25		30		35	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKB.2.01	17	0,25	13	0,20	9	0,16	6	0,13	—	—
SKB.2.02	36	0,45	28	0,35	17	0,25	12	0,21	7	0,17
SKB.2.03	48	0,60	37	0,45	23	0,30	16	0,25	10	0,22
SKB.2.04	—	—	49	0,57	31	0,39	21	0,32	13	0,26

Flange dimensions

Pump type dimension	DN	e	d ₀	f	f ₁
SKB.2	25	75	12	100	72

Counterflanges are delivered with pumps

Threaded connection in counterflange

G1 — SKB.2

Pump dimension

Pump type size	for e ₁ e ₁ =	Pump										Shaft			
		b	b ₁	h	k	n ₁	o	s	m	m ₁	i ₂	l	d	t	u
SKB.2	02, 10, 15*, 17, 35, 42	120	90	90	90	30	12	10	150	77	47	28	14	16	5
SKB.2	04, 60	120	90	90	90	30	12	10	175	102	47	28	14	16	5

for e ₁ e ₁ = 02, 10, 15*, 17, 35, 42			
Dimension	l ₁	l ₂	l ₃
SKB.2.01	78	80	45
SKB.2.02	98	80	45
SKB.2.03	118	80	45
SKB.2.04	138	80	45

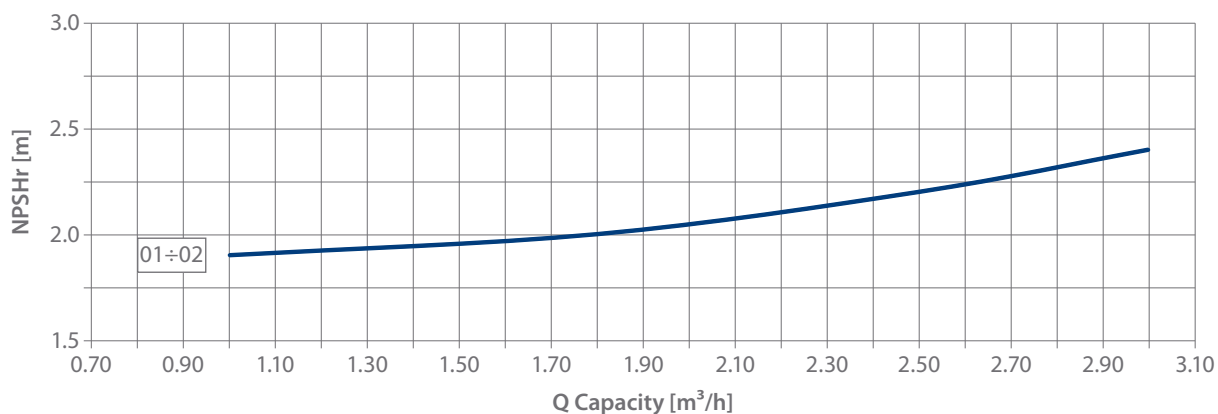
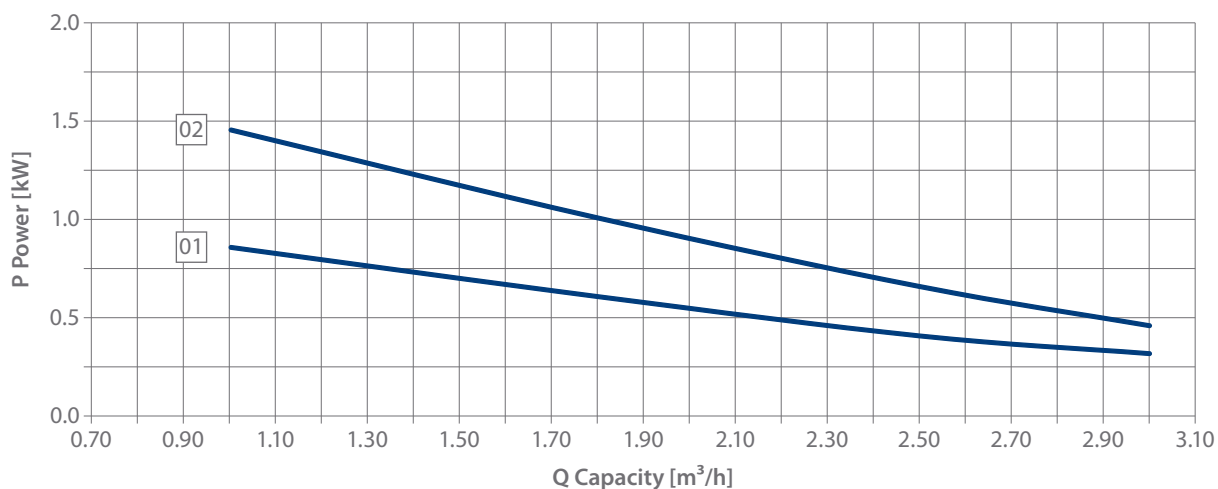
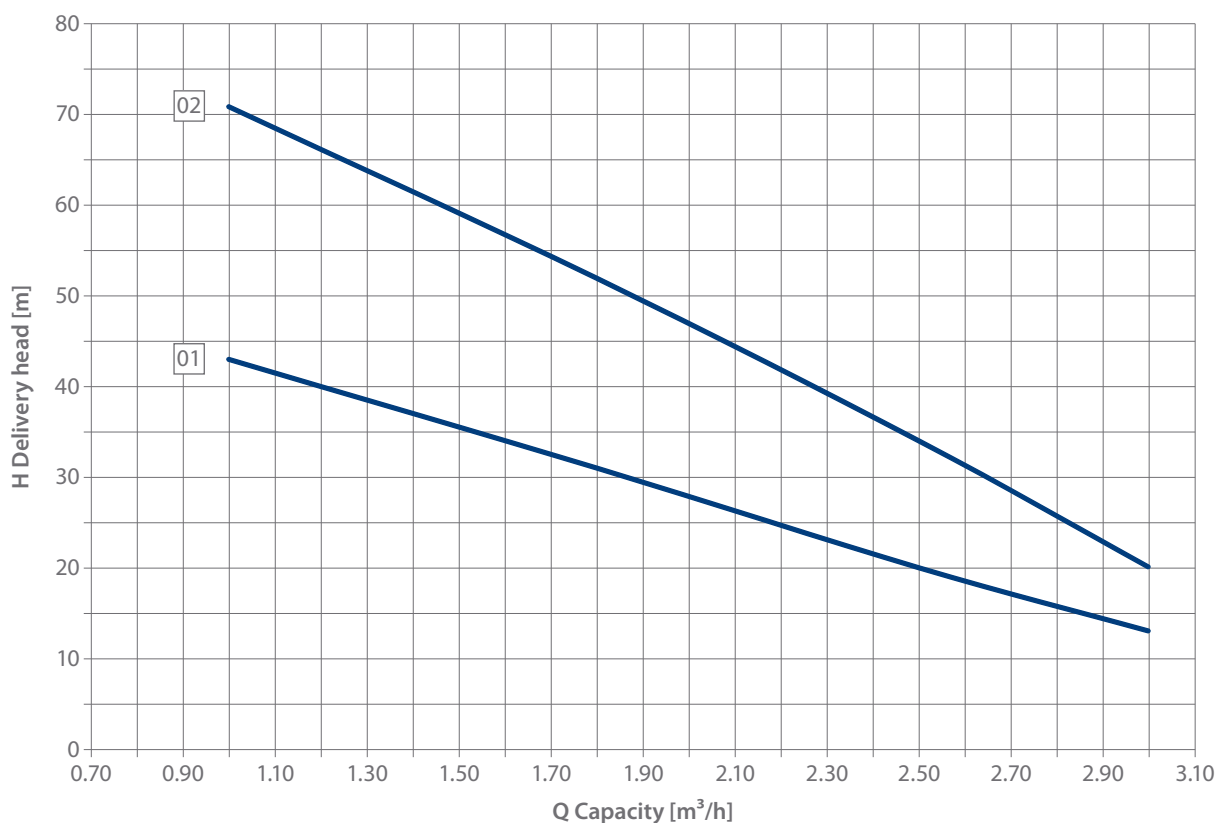
for e ₁ e ₁ = 04, 35, 60			
Dimension	l ₁	l ₂	l ₃
SKB.2.01	78	80	45
SKB.2.02	98	80	45
SKB.2.03	118	80	45
SKB.2.04	138	80	45

* concerns SKB.2.03÷04 in material execution 1

Foundation plate dimensions

No. of plate	A	A ₂	B	B ₁	C	C ₁	F
60.58.01.1	390	170	125	170	20	350	14

SKB.3 CHARACTERISTICS



SKB.3 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 02, 10, 15*, 17, 35, 42													
SKB.3.01	13	14,5	20,0	37,0	EZ1	904S	1,10	230	60.60.02.1	—	267	232	607
SKB.3.01	31	13,5	19,0	27,0	EZ1	804A	0,55	400	60.61.01.1	68.40.01.1	267	220	586
SKB.3.01	31	14,5	20,0	30,0	EZ1	804B	0,75	400	60.61.01.1	68.40.01.1	267	220	606
SKB.3.01	31	14,5	19,5	32,0	EZ1	90S4	1,10	400	60.60.03.1	—	267	220	644
SKB.3.02	15	16,5	22,0	39,5	EZ1	904S	1,10	230	60.60.02.1	—	267	232	630
SKB.3.02	15	16,5	22,0	40,0	EZ1	904L	1,50	230	60.60.02.1	—	267	183	650
SKB.3.02	15	17,0	22,0	32,0	EZ1	804B	0,75	400	60.61.01.1	68.40.01.1	267	220	629
SKB.3.02	15	17,0	21,5	34,0	EZ1	90S4	1,10	400	60.60.03.1	—	267	220	667
SKB.3.02	15	17,0	21,5	37,0	EZ1	90L4	1,50	400	60.60.03.1	—	267	220	692
SKB.3.02	15	18,0	23,5	46,0	EZ1	100L4A	2,20	400	60.61.01.1	—	267	220	720

Table of capacity and absorbed power on the shaft SKB.3

Pump marking	Capacity Q [m³/h]							
	1		1,8		2,5		3	
	Capacity Q [l/min]							
	17		30		42		50	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKB.3.01	43	0,85	31	0,60	20	0,40	13	0,31
SKB.3.02	71	1,45	52	1,00	34	0,65	20	0,45

Flange dimensions

Pump type dimension	DN	e	d ₀	f	f ₁
SKB.3	32	90	14	120	85

Counterflanges are delivered with pumps
Threaded connection in counterflange
G1 ¼ – SKB.3

Pump dimension

Pump type size	Pump										Shaft			
	b	b ₁	h	k	n ₁	o	s	m	m ₁	i ₂	l	d	t	u
SKB.3	152	112	112	125	40	12	12	157	84	55	40	19	21,5	6

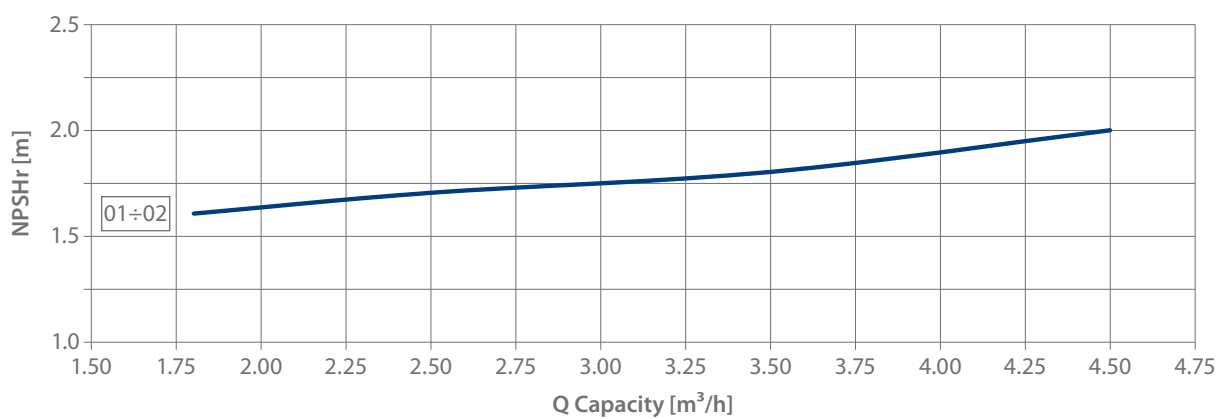
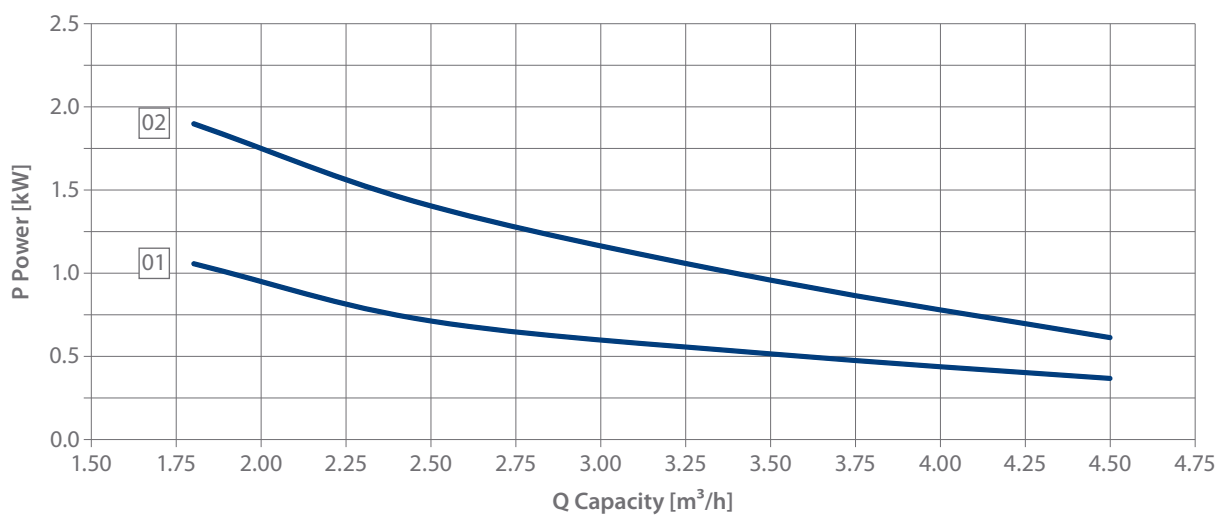
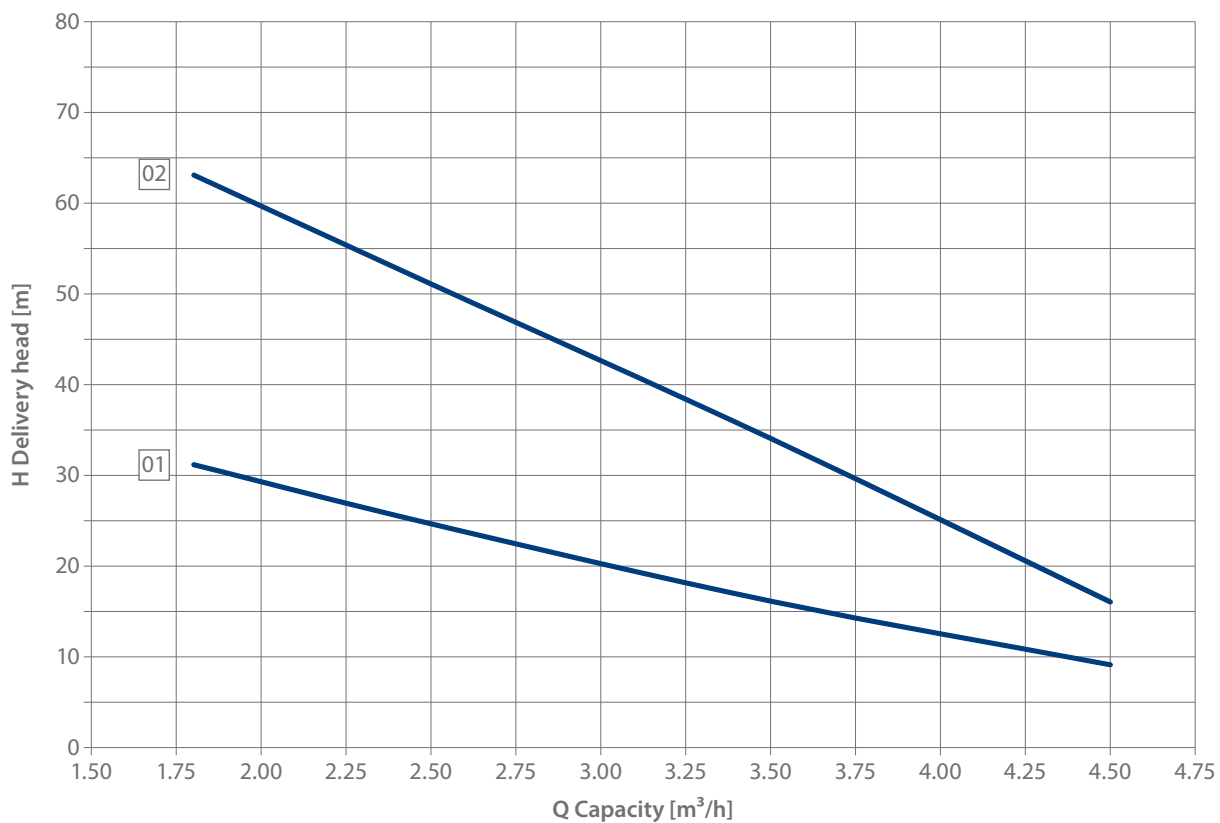
for e₁e₂ = 02, 04, 05, 10, 17, 35, 42

Dimension	l ₁	l ₂	l ₃
SKB.3.01	112	100	60
SKB.3.02	135	100	60

Foundation plate dimensions

No. of plate	A	A ₂	B	B ₁	C	C ₁	F
60.60.02.1	450	160	166	220	20	410	14
60.61.01.1	486	185	166	220	20	446	14
60.60.03.1	450	160	160	178	20	410	14

SKB.4 CHARACTERISTICS



SKB.4 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
	Pump marking	with free shaft end	with coupling	with coupling and foundation plate									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
for e ₁ e ₁ = 02, 10, 15*, 17, 35, 42													
SKB.4.01	14,5	16	22,0	39,5	EZ1	904S	1,10	230	60.60.02.1	—	267	232	610
SKB.4.01	14,5	16	22,0	40,0	EZ1	904L	1,50	230	60.60.02.1	68.40.01.1	267	183	630
SKB.4.01	14,5	16	22,0	32,0	EZ1	804B	0,75	400	60.61.01.1	—	267	220	590
SKB.4.01	14,5	16	21,5	34,0	EZ1	90S4	1,10	400	60.60.03.1	—	267	220	657
SKB.4.01	14,5	16	21,5	37,0	EZ1	90L4	1,50	400	60.60.03.1	—	267	220	666
SKB.4.02	16,5	18	24,0	41,5	EZ1	904S	1,10	230	60.60.02.1	—	267	232	636
SKB.4.02	16,5	18	24,0	42,0	EZ1	904L	1,50	230	60.60.02.1	—	267	183	656
SKB.4.02	16,5	18	23,5	36,0	EZ1	90S4	1,10	400	60.60.03.1	—	267	220	661
SKB.4.02	16,5	18	23,5	39,5	EZ1	90L4	1,50	400	60.60.03.1	—	267	220	692
SKB.4.02	16,5	19,5	25,0	47,0	EZ1	100L4A	2,20	400	60.61.01.1	—	267	220	720

Table of capacity and absorbed power on the shaft SKB.4

Pump marking	Capacity Q [m³/h]							
	1,8		2,5		3,5		4,5	
	Capacity Q [l/min]							
	30		42		58		75	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKB.4.01	31	1,05	24,5	0,70	16	0,50	9	0,35
SKB.4.02	63	1,90	51	1,40	34	0,95	16	0,60

Flange dimensions

Pump type dimension	DN	e	d ₀	f	f ₁
SKB.4	32	90	14	120	85

Counterflanges are delivered with pumps
Threaded connection in counterflange
G1 ¼ – SKB.4

Pump dimension

Pump type size	Pump										Shaft			
	b	b ₁	h	k	n ₁	o	s	m	m ₁	i ₂	l	d	t	u
SKB.4	152	112	112	125	40	12	12	157	84	55	40	19	21,5	6

for e₁e₁ = 04, 35, 60

Dimension	l ₁	l ₂	l ₃
SKB.4.01	115	100	100
SKB.4.02	141	100	100

Foundation plate dimensions

No. of plate	A	A ₂	B	B ₁	C	C ₁	F
60.60.02.1	450	160	166	220	20	410	14
60.61.01.1	486	185	166	220	20	446	14
60.60.03.1	450	160	160	178	20	410	14

General information

SKG self-priming rotodynamic, liquid ring pumps with side ring channel and opened impeller are designed to pumping liquids in the scope of the corrosion resistance of materials used for pump's construction. Those pumps are designed to pumping of hydrocarbons, for example fuel, heating oil, etc.

Pumps of SKG type can be used in:

- industry

Construction

SKG type pumps are composed of: bearing casing, shaft, suction and discharge casings. Impellers are mounted on the shaft. The quantity of impellers is dependent on quantity of pump's stages. From the side of suction casing is suction member, next is suction – discharge member and the last is discharge member. In SKG pumps is applied one ball bearing on suction side, while on discharge side is applied special slide bearing. Moreover, in suction casing is built shaft's seal. For sealing in place of individual members and pump casings connections is used LOCTITE 573 sealing compound. Pump constructed in such way ensures high thickness.

Technical data

Capacity	0,3 ÷ 30 m ³ /h
Delivery head	to 310 m
Pumped liquid temperature	to 70°C
Liquid density	to 1300 kg/m ³
Liquid viscosity	to 150 mm ² /s
Weight	22,2 ÷ 409,0 kg
Motor power	0,25 ÷ 30,0 kW
Rotational speed	1450 r.p.m. ³ (50 Hz) and 1800 r.p.m (60 Hz)
Rotation direction	clockwise looking on pumps from the drive side
Shaft seal	end-face mechanical seal of V type

Product marking structure



- aa** Classification group
- f** Product variety (G – with ball bearing on suction side and slide bearing on discharge side to fluid hydrocarbons pumping)
- b** Pump type size (2 ÷ 8)
- cc** Pump type dimension (number of stages – 1 ÷ 8)
- d** Pump material execution according to the point *Material execution*
- ee₁e₂** Pump constructional execution according to the point *Constructional execution*
- h** Delivery completeness according to the point *Delivery completeness*
- iii** In-house marking of assembly with drive unit given by the manufacturer
- k** Product's cosmetics according to the point *Cosmetics (Protective coating)*

e – working temperature
e = 1 – working temperature –30°C +70°C
e = 2 – working temperature +70°C +110°C
e₁ – kind of mechanical seal
e₂ – reserve always marked with number “0”
 Special executions for all *ee₁e₂* are marked with number “9”

Example of correct pump marking: **SKG.2.02.2.1020.3.103.1**

Materials used in pump of SKG type construction

Pumps of SKG type are produced in six material executions

Pump's element	Material execution "d"					
	1	2	3	4	5	6
Casing	spheroidal cast iron	tin bronze	spheroidal cast iron	spheroidal cast iron	cast carbon steel	austenitic cast steel
Members	grey cast iron	chromium cast iron	grey cast iron	chromium cast iron	cast carbon steel	austenitic cast steel
Impeller	tin bronze	tin bronze	cast carbon steel	tin bronze	tin bronze	special austenitic cast steel
Shaft	stainless steel	acid resistant steel	stainless steel	acid resistant steel	stainless steel	acid resistant steel
Shaft seal	end-face mechanical*					

* choice of seal material depends on pumped medium

Constructional execution used in pumps

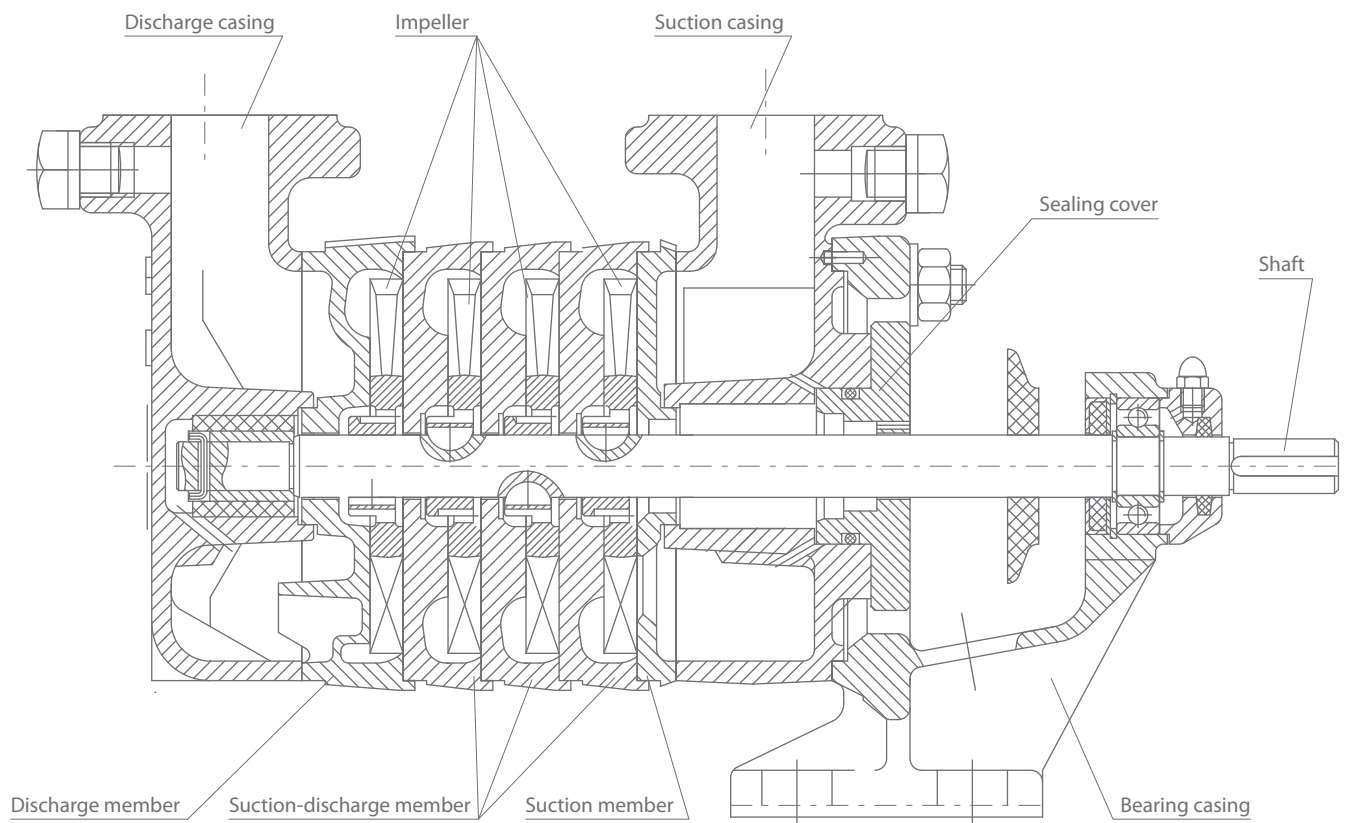
Constructional executions used in SKG pumps

No. of constructional execution				Name of constructional execution	SKG pumps							
e	e ₁	e ₂			2	3	4	5	6	7	8	
1110				Pump with V type single end-face seal for liquids of temperature −30°C ÷ +70°C	×	×	×	×	×	×	×	
1230				Pump with single end-face seal of 58U type for liquids of temperature −30°C ÷ +70°C	×	×	×			×	×	
1640				Pump with double end-face seal of BED type for liquids of temperature −30°C ÷ +70°C		×	×	×	×	×	×	
1650				Pump with double end-face seal of BED type and installation for liquids of temperature −30°C ÷ +70°C		×	×	×	×	×	×	

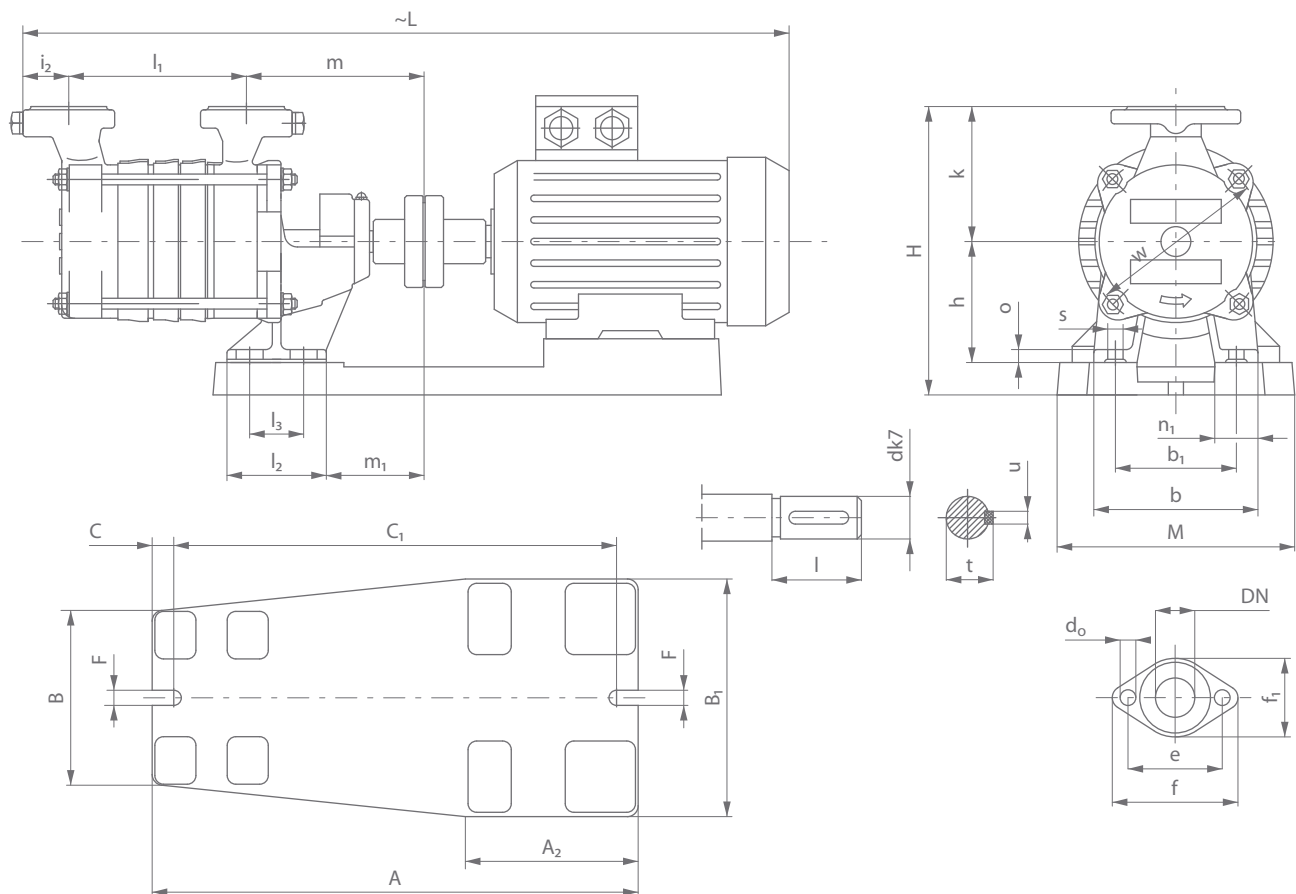
Delivery completeness

No of completeness	
1	pump with free shaft's end
2	pump with coupling
3	pump with coupling and foundation plate
5	completeness 3 plus electric motor

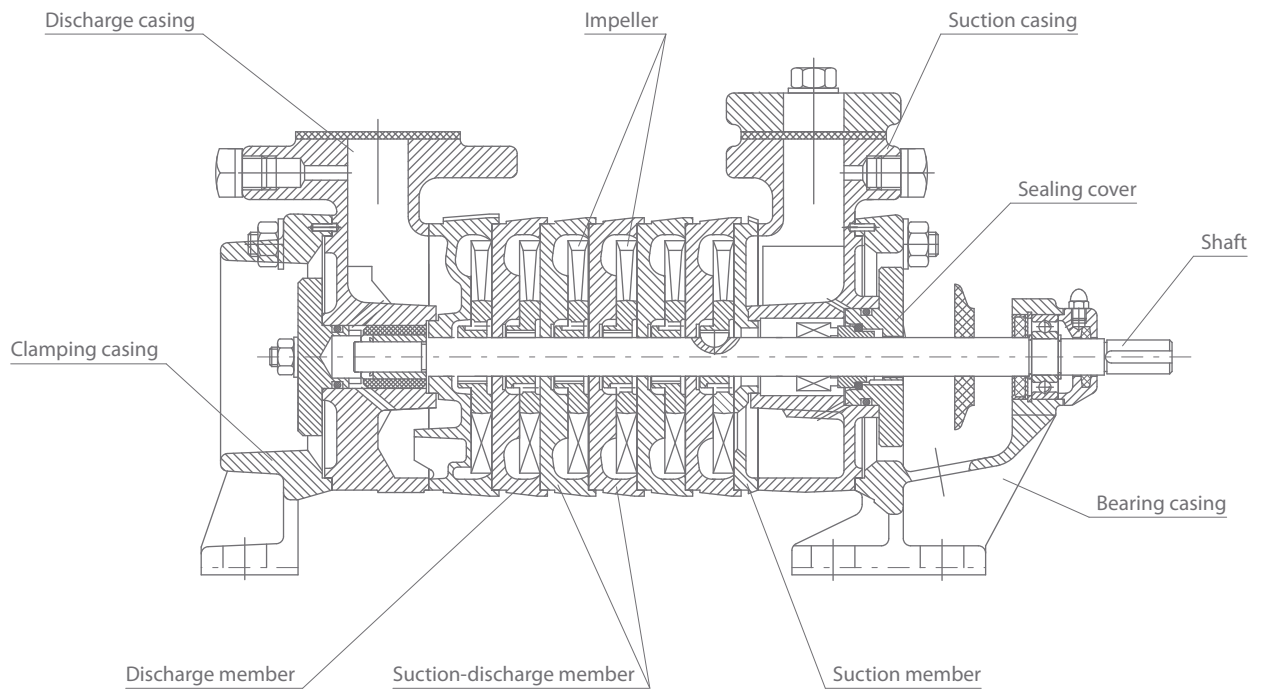
SKG.2.01÷04 pump section



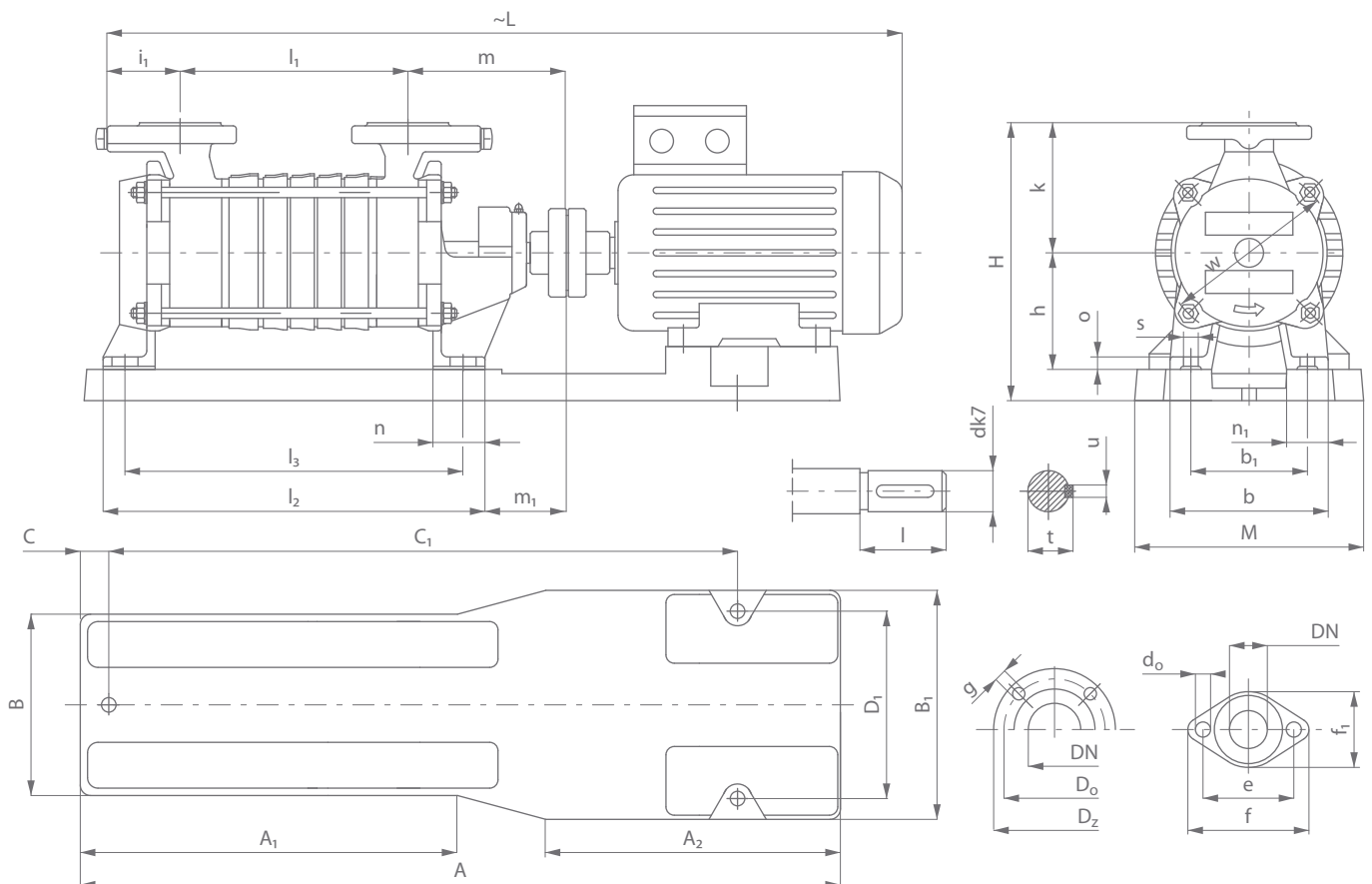
SKG.2.01÷04 overall dimensions drawing



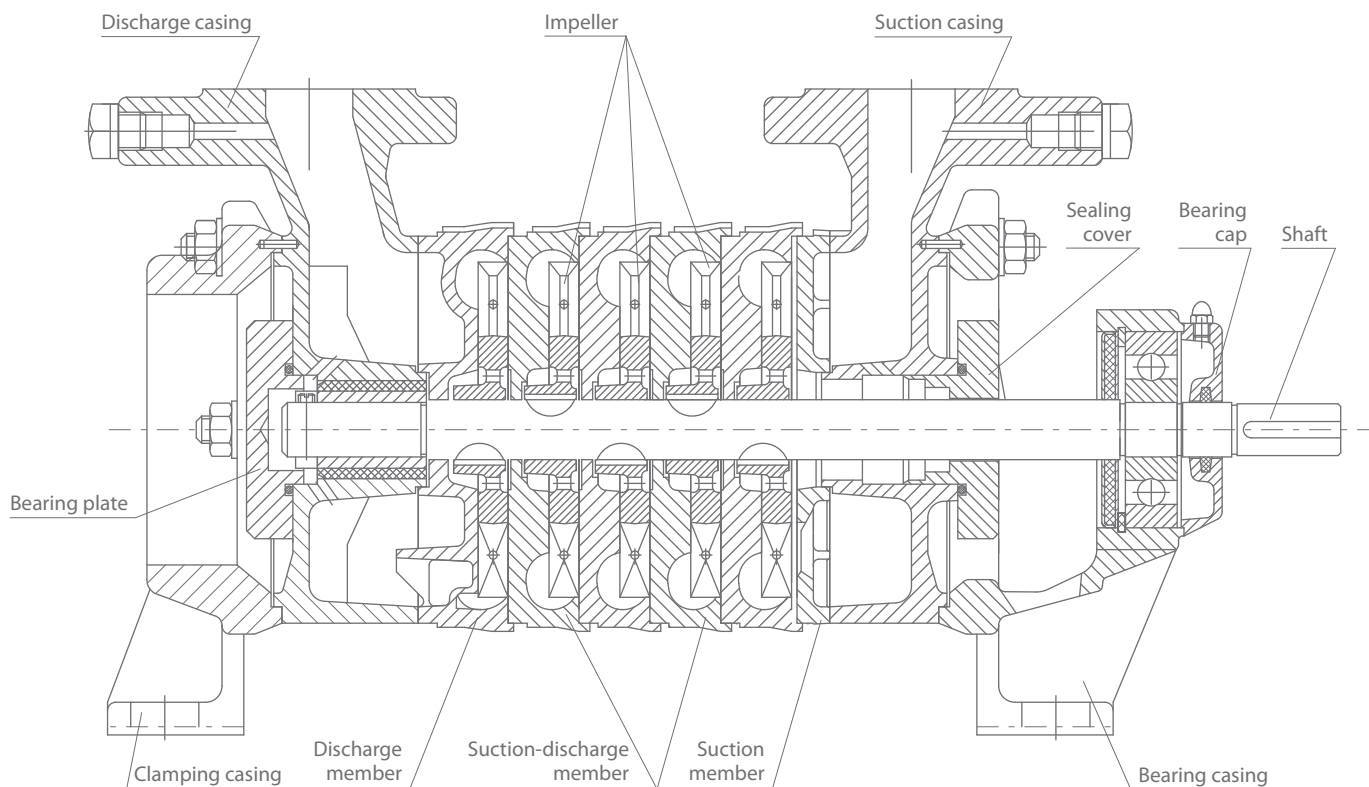
SKG.2.05÷08 pump section



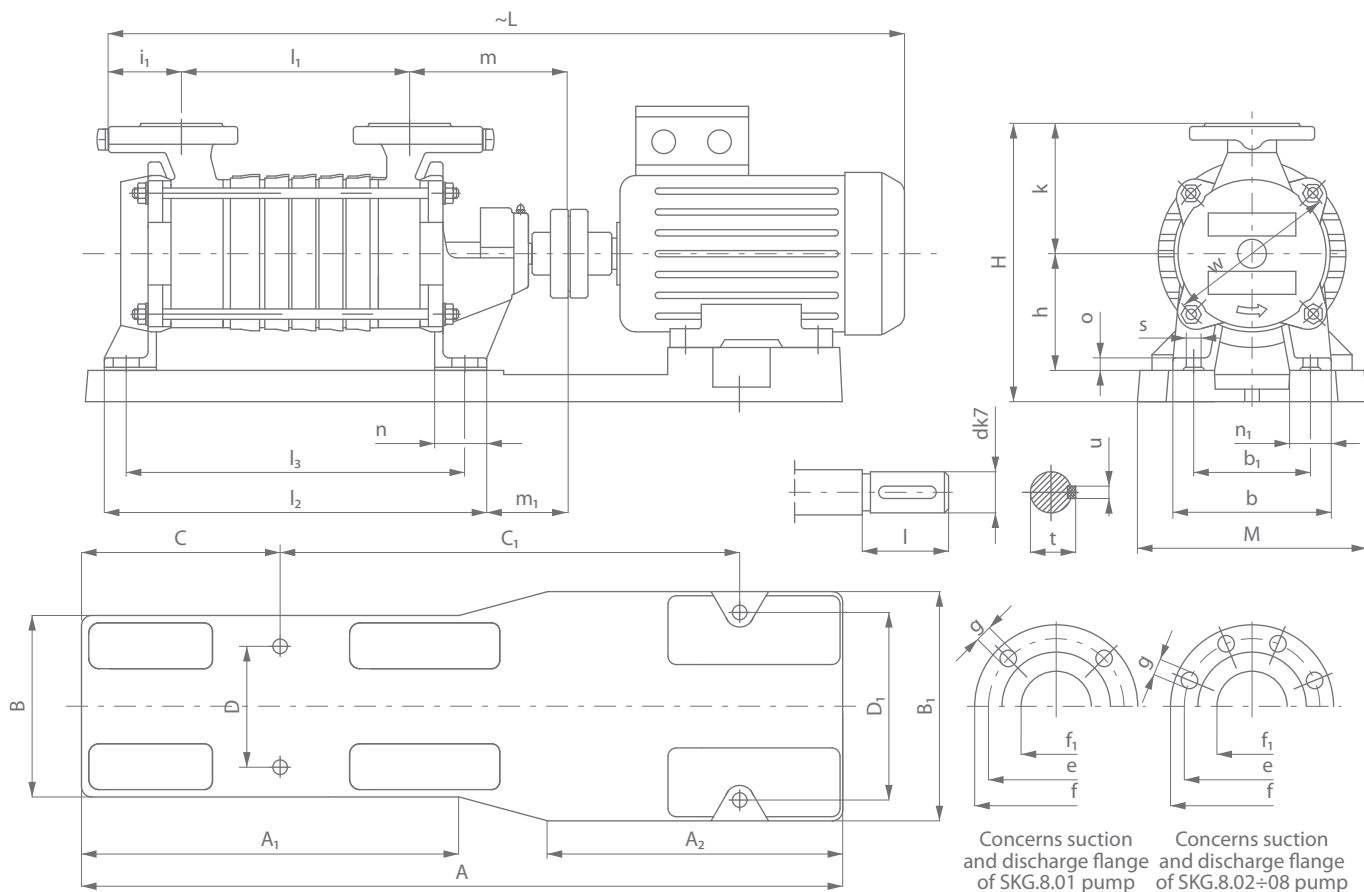
SKG.2.05÷08 overall dimensions drawing



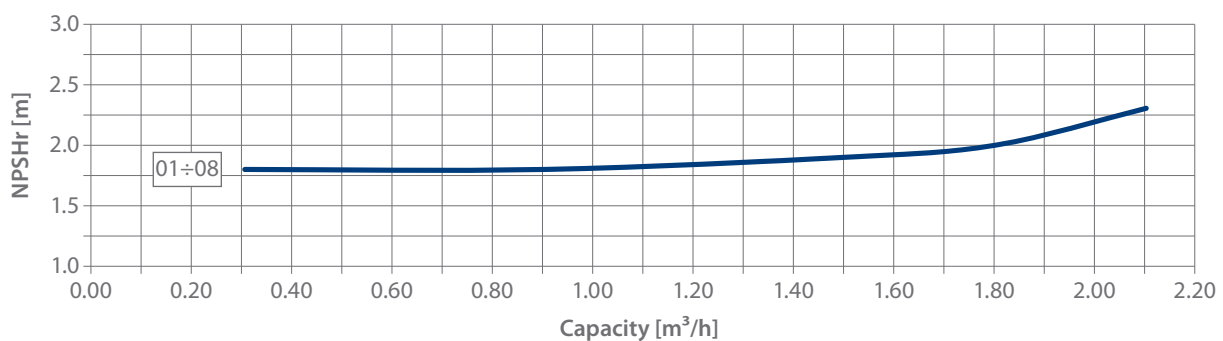
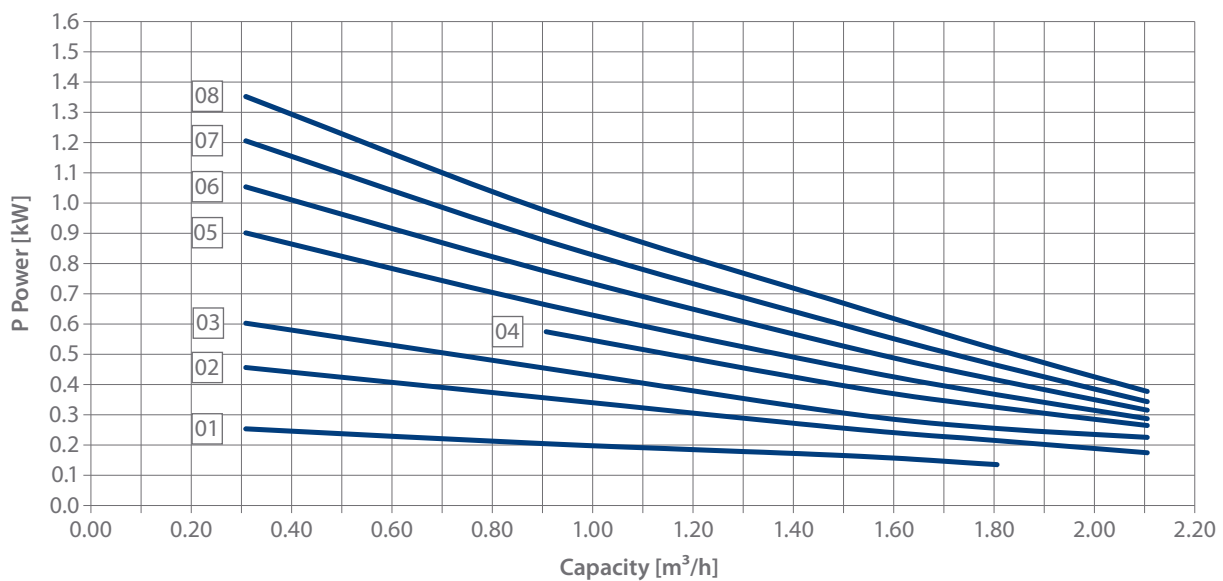
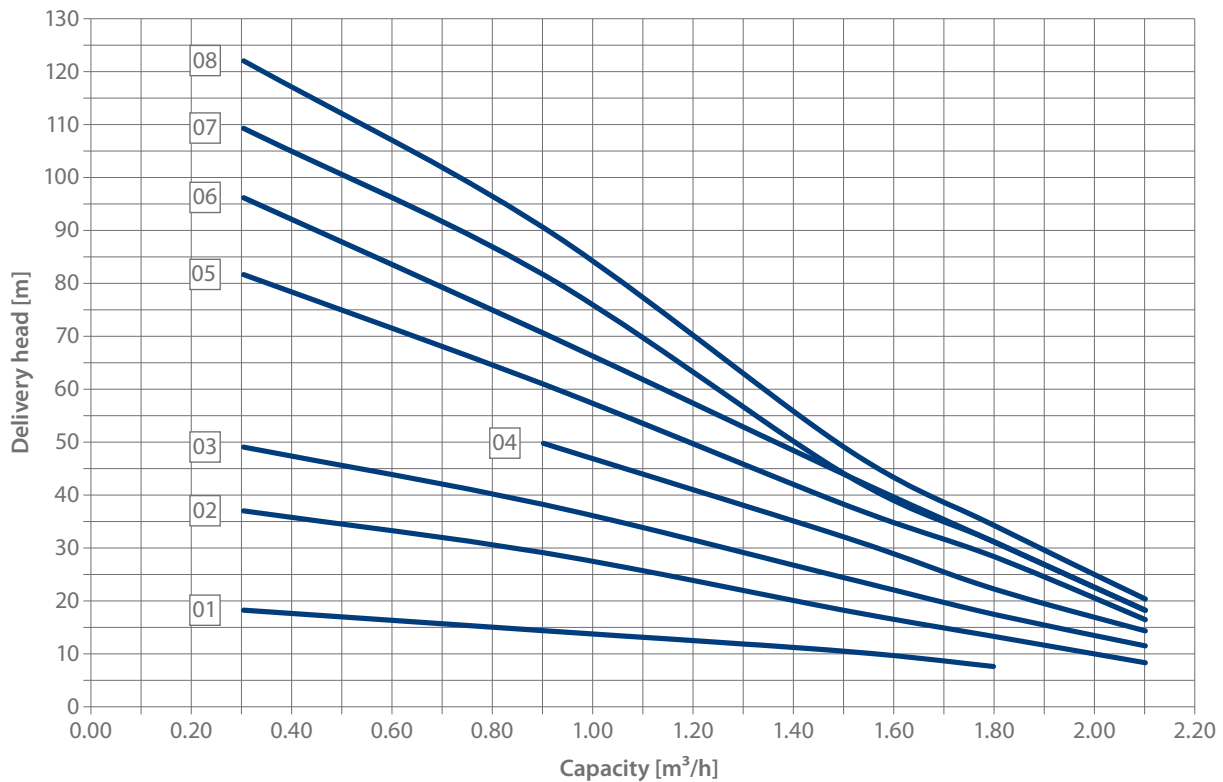
SKG.3, SKG.4, SKG.5, SKG.6, SKG.7, SKG.8 pump selection



SKG.3, SKG.4, SKG.5, SKG.6, SKG.7, SKG.8 overall dimensions drawing



SKG.2 CHARACTERISTICS



SKG.2 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor	—								
[kg]					[type]	—	[kW]	[V]	[number]	[mm]			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
SKG.2.01	7,2	8,2	17,2	23,7	EZ1	714B	0,25	230	60.58.01.1	68.40.29.1	215	165	493
SKG.2.01	7,2	8,2	17,2	25,0	EZ1	714C	0,37	230	60.58.01.1	68.40.29.1	215	165	509
SKG.2.01	7,2	8,7	17,2	22,2	EZ1	714A	0,25	400	60.58.01.1	68.40.29.1	215	165	472
SKG.2.01	7,2	8,7	17,2	23,5	EZ1	714B	0,37	400	60.58.01.1	68.40.29.1	215	165	491
SKG.2.02	8,5	9,5	18,5	25,0	EZ1	714B	0,25	230	60.58.01.1	68.40.29.1	215	165	513
SKG.2.02	8,5	9,5	18,5	26,0	EZ1	714C	0,37	230	60.58.01.1	68.40.29.1	215	165	529
SKG.2.02	8,5	9,5	18,5	29,0	EZ1	804B	0,55	230	60.58.01.1	—	215	165	550
SKG.2.02	8,5	9,5	18,5	30,5	EZ1	804C	0,75	230	60.58.01.1	—	215	165	572
SKG.2.02	8,5	9,5	18,5	23,5	EZ1	714A	0,25	400	60.58.01.1	68.40.29.1	215	165	492
SKG.2.02	8,5	9,5	18,5	25,0	EZ1	714B	0,37	400	60.58.01.1	68.40.29.1	215	165	511
SKG.2.02	8,5	9,5	18,5	26,5	EZ1	804A	0,55	400	60.58.01.1	—	215	165	529
SKG.2.02	8,5	9,5	18,5	28,0	EZ1	804B	0,75	400	60.58.01.1	—	215	165	549
SKG.2.03	9,8	10,8	19,8	30,0	EZ1	804B	0,55	230	60.58.01.1	—	215	165	570
SKG.2.03	9,8	10,8	19,8	31,5	EZ1	804C	0,75	230	60.58.01.1	—	215	165	592
SKG.2.03	9,8	10,8	19,8	27,8	EZ1	804A	0,55	400	60.58.01.1	68.40.29.1	215	165	549
SKG.2.03	9,8	10,8	19,8	29,5	EZ1	804B	0,75	400	60.58.01.1	—	215	165	569
SKG.2.04	11,1	12,1	21,0	31,0	EZ1	804B	0,55	230	60.58.01.1	—	215	165	590
SKG.2.04	11,1	12,1	21,0	33,0	EZ1	804C	0,75	230	60.58.01.1	—	215	165	612
SKG.2.04	11,1	12,1	21,0	29,0	EZ1	804A	0,55	400	60.58.01.1	68.40.29.1	215	165	569
SKG.2.04	11,1	12,1	21,0	31,0	EZ1	804B	0,75	400	60.58.01.1	—	215	165	589
1	2	3	4	5	6	7	8	9	10	11	12	13	14
SKG.2.05	14,2	15,2	30,2	40,5	EZ1	804B	0,55	230	60.59.01.1	68.40.03.1	225	226	634
SKG.2.05	14,2	15,2	30,2	42,0	EZ1	804C	0,75	230	60.59.01.1	68.40.03.1	225	226	656
SKG.2.05	14,2	15,7	30,7	52,0	EZ1	904S	1,1	230	60.59.01.1	68.40.03.1	225	256	711
SKG.2.05	14,2	15,7	30,7	64,0	EZ1	904L	1,5	230	60.59.01.1	68.40.03.1	235	250	782
SKG.2.05	14,2	15,2	30,2	38,0	EZ1	804A	0,55	400	60.59.01.1	68.40.03.1	225	233	613
SKG.2.05	14,2	15,2	30,2	40,0	EZ1	804B	0,75	400	60.59.01.1	68.40.03.1	225	233	633
SKG.2.05	14,2	15,7	30,7	43,0	EZ1	90S4	1,1	400	60.59.01.1	—	225	233	676
SKG.2.05	14,2	15,7	30,7	46,0	EZ1	90L4	1,5	400	60.59.01.1	—	225	233	702
SKG.2.06	15,5	16,5	31,5	42,0	EZ1	804B	0,55	230	60.59.01.1	68.40.03.1	225	226	654
SKG.2.06	15,5	16,5	31,5	43,5	EZ1	804C	0,75	230	60.59.01.1	68.40.03.1	225	226	676
SKG.2.06	15,5	17,0	32,0	53,5	EZ1	904S	1,1	230	60.59.01.1	—	225	260	731
SKG.2.06	15,5	17,0	32,0	65,0	EZ1	904L	1,5	230	60.59.01.1	68.40.03.1	235	250	802
SKG.2.06	15,5	16,5	31,5	39,5	EZ1	804A	0,55	400	60.59.01.1	68.40.03.1	225	233	633
SKG.2.06	15,5	16,5	31,5	41,5	EZ1	804B	0,75	400	60.59.01.1	68.40.03.1	225	233	653
SKG.2.06	15,5	17,0	32,0	44,0	EZ1	90S4	1,1	400	60.59.01.1	—	225	233	696
SKG.2.06	15,5	17,0	32,0	47,0	EZ1	90L4	1,5	400	60.59.01.1	—	225	233	722
SKG.2.07	16,8	18,3	33,3	45,0	EZ1	90S4	1,1	400	60.59.01.1	—	225	233	716
SKG.2.07	16,8	18,3	33,3	48,0	EZ1	90L4	1,5	400	60.59.01.1	—	225	233	742
SKG.2.08	18,1	19,6	34,6	46,0	EZ1	90S4	1,1	400	60.59.01.1	—	225	233	736
SKG.2.08	18,1	19,6	34,6	46,0	EZ1	90L4	1,5	400	60.59.01.1	—	225	233	762



Table of capacity and absorbed power on the shaft SKG.2

Pump marking	Capacity Q [m³/h]									
	0,3		0,9		1,5		1,8		2,1	
	Capacity Q [l/min]									
	5		15		25		30		35	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKG.2.01	17	0,25	13	0,20	9	0,16	6	0,13	—	—
SKG.2.02	36	0,45	28	0,35	17	0,25	12	0,21	7	0,17
SKG.2.03	48	0,60	37	0,45	23	0,30	16	0,25	10	0,22
SKG.2.04	—	—	49	0,57	31	0,39	21	0,32	13	0,26
SKG.2.05	81	0,90	60	0,66	37	0,45	27	0,36	15	0,28
SKG.2.06	96	1,05	70	0,77	43	0,52	30	0,41	17	0,31
SKG.2.07	109	1,20	81	0,87	43	0,59	30	0,46	17	0,34
SKG.2.08	122	1,35	90	0,97	48	0,66	33	0,51	19	0,37

Flange dimensions

Pump type dimension	DN	e	d ₀	f	f ₁
SKG.2	25	75	12	100	72

Counterflanges are delivered with pumps

Threaded connection in counterflange

G1 – SKG.2

Oval flange is used in SKG.2.01÷04 pumps in suction and discharge casing

Oval flange is used in SKG.2.05÷08 pumps in suction flange only

Pump type dimension	DN	D ₀	D _z	g	i
SKG.2	25	85	115	14	4

Round flange is used in SKG.2.05÷08 pumps in discharge casing

i – quantity of holes

Pump dimension

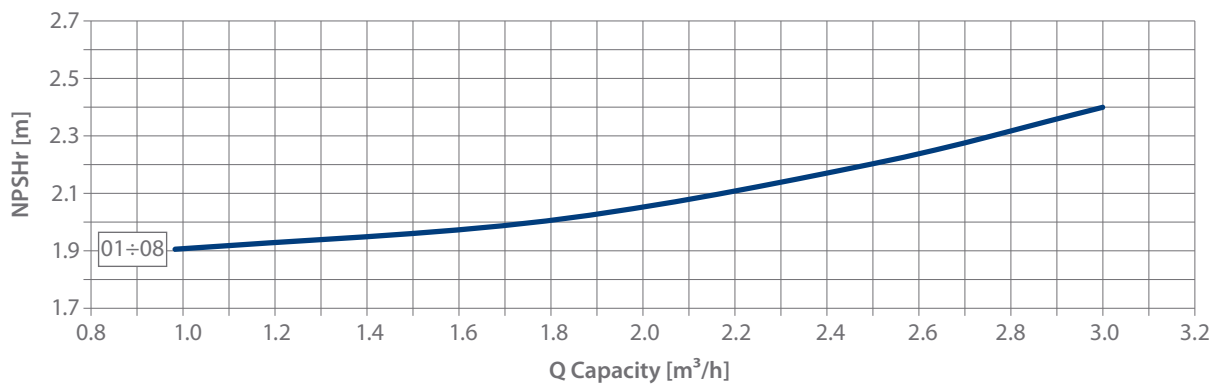
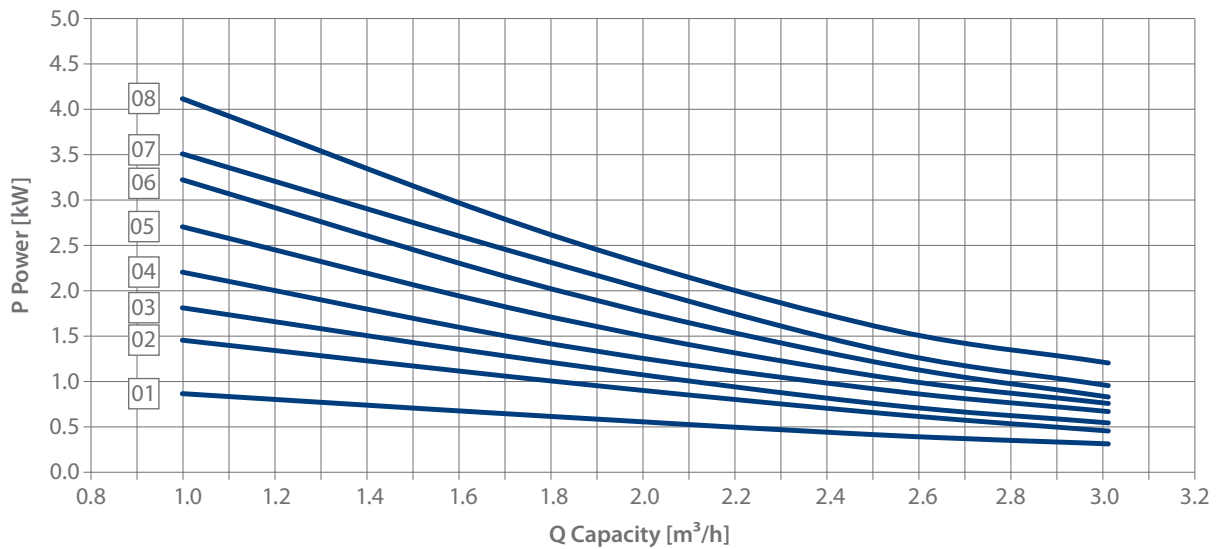
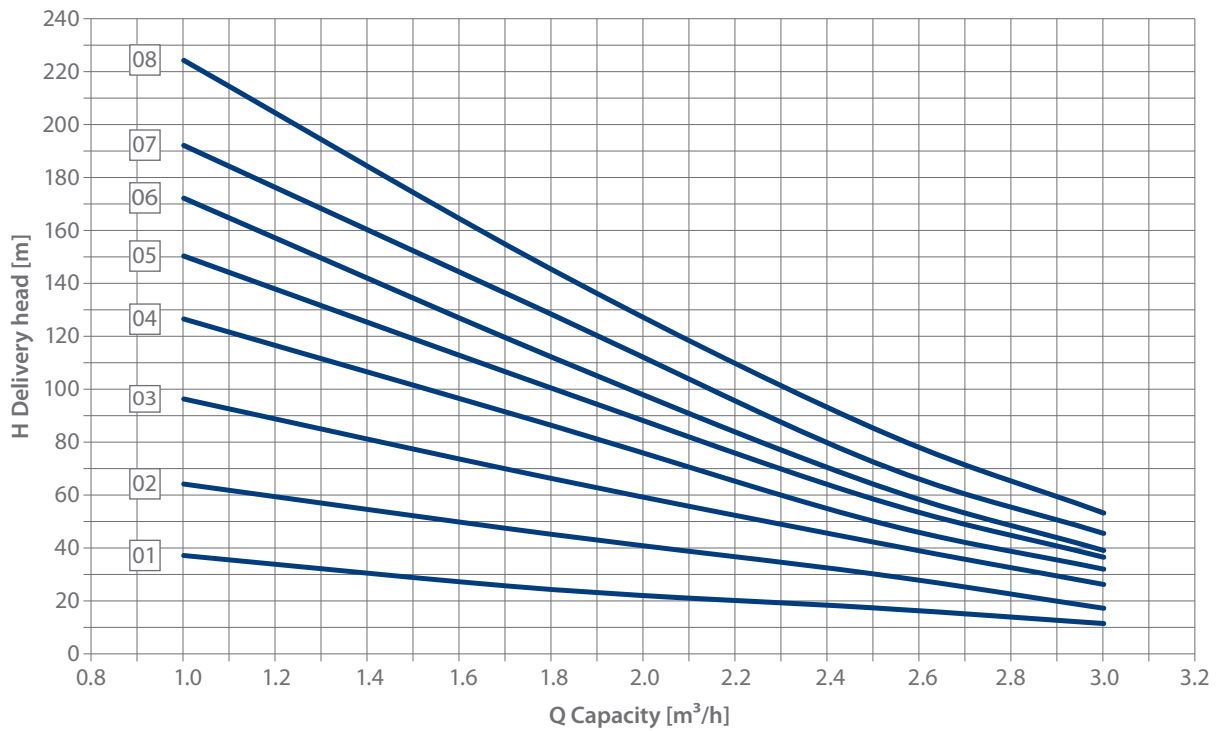
Pump type size	Pump													Shaft			
	b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	w	i ₂	l	d	t	u
SKG.2	120	90	90	90	80	30	12	10	60	150	77	130	47	28	14	16	5

Dimension	l ₁	l ₂	l ₃
SKG.2.01	78	80	45
SKG.2.02	98	80	45
SKG.2.03	118	80	45
SKG.2.04	138	80	45
SKG.2.05	158	80	268
SKG.2.06	178	80	288
SKG.2.07	198	80	308
SKG.2.08	218	80	328

Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	F
60.58.01.1	390	—	170	125	170	20	350	—	14
60.59.01.1	742	242	230	130	220	72	560	178	14

SKG.3 CHARACTERISTICS



SKG.3 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
	Pump marking	with free shaft end	with coupling	with coupling and foundation plate									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
SKG.3.01	16	17,5	23	40,0	EZ1	904S	1,1	230	60.45.02.1	68.40.16.1	287	232	618
SKG.3.01	16	17,5	23	31,0	EZ1	804B	0,75	400	60.45.02.1	68.40.15.1	287	222	617
SKG.3.01	16	17,5	23	40,0	EZ1	90S4	1,1	400	60.45.02.1	68.40.16.1	287	183	624
SKG.3.02	18	19,5	25	42,5	EZ1	904S	1,1	230	60.45.02.1	68.40.16.1	287	232	641
SKG.3.02	18	19,5	25	43,0	EZ1	904L	1,5	230	60.45.02.1	68.40.16.1	287	183	661
SKG.3.02	18	20	25	33,0	EZ1	804B	0,75	400	60.45.02.1	68.40.15.1	287	222	590
SKG.3.02	18	20	25	42,5	EZ1	90S4	1,1	400	60.45.02.1	68.40.16.1	287	222	678
SKG.3.02	18	20	25	45,0	EZ1	90L4	1,5	400	60.45.02.1	68.40.16.1	287	222	703
SKG.3.02	18	21	26,5	47,0	EZ1	100L4A	2,2	400	60.45.01.1	68.40.17.1	297	222	731
SKG.3.03	21	23	45	57,5	EZ1	90S4	1,1	400	60.45.01.1	68.40.16.1	297	262	746
SKG.3.03	21	23	45	60,0	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	262	771
SKG.3.03	21	24	46	69,0	EZ1	100L4A	2,2	400	60.45.01.1	68.40.17.1	297	262	825
SKG.3.03	21	24	46	72,0	EZ1	100L4B	3,0	400	60.45.01.1	68.40.17.1	297	262	827
SKG.3.04	23	25	47	60,0	EZ1	90S4	1,1	400	60.45.01.1	68.40.16.1	297	262	769
SKG.3.04	23	25	47	62,0	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	262	745
SKG.3.04	23	26	48	71,0	EZ1	100L4A	2,2	400	60.45.01.1	68.40.17.1	297	262	848
SKG.3.04	23	26	48	75,0	EZ1	100L4B	3,0	400	60.45.01.1	68.40.17.1	297	262	850
SKG.3.04	23	26	48	88,0	EZ1	112M4	4,0	400	60.45.01.1	—	297	262	873
SKG.3.05	27	29	57	72,0	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	297	817
SKG.3.05	27	30	58	81,0	EZ1	100L4A	2,2	400	60.45.01.1	68.40.17.1	297	297	871
SKG.3.05	27	30	58	85,0	EZ1	100L4B	3,0	400	60.45.01.1	68.40.17.1	297	297	873
SKG.3.05	27	30	58	98,0	EZ1	112M4	4,0	400	60.45.01.1	—	297	297	896
SKG.3.06	29	31	59	75,0	EZ1	90L4	1,5	400	60.46.01.1	68.40.16.1	292	297	840
SKG.3.06	29	32	60	83,0	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	894
SKG.3.06	29	32	60	87,0	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	896
SKG.3.06	29	32	60	100,0	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	919
SKG.3.06	29	34	62	117,0	EZ3	132S4	5,5	400	60.46.01.1	68.40.18.1	312	304	964
SKG.3.07	31	33	61	77,0	EZ1	90L4	1,5	400	60.46.01.1	68.40.16.1	292	297	863
SKG.3.07	31	34	62	85,0	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	917
SKG.3.07	31	34	62	89,0	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	920
SKG.3.07	31	34	62	102,0	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	942
SKG.3.07	31	36	64	119,0	EZ3	132S4	5,5	400	60.46.01.1	68.40.18.1	312	304	987
SKG.3.08	33	36	64	87,0	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	940
SKG.3.08	33	36	64	91,0	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	942
SKG.3.08	33	36	64	104,0	EZ1	112M4	4,0	400	60.46.01.1		292	297	965
SKG.3.08	33	38	66	121,0	EZ3	132S4	5,5	400	60.46.01.1	68.40.18.1	312	304	1010
SKG.3.08	33	40	68	134,0	EZ3	132M4	7,5	400	60.46.01.1	68.40.18.1	312	304	1048

Table of capacity and absorbed power on the shaft SKG.3

Pump marking	Capacity Q [m³/h]							
	1		1,8		2,5		3	
	Capacity Q [l/min]							
	17		30		42		50	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKG.3.01	37	0,85	24	0,60	17	0,40	11	0,31
SKG.3.02	64	1,45	45	1,00	30	0,65	17	0,45
SKG.3.03	96	1,80	66	1,20	42	0,75	26	0,54
SKG.3.04	126	2,20	86	1,40	50	0,90	32	0,65
SKG.3.05	150	2,70	100	1,70	58	1,05	36	0,75
SKG.3.06	172	3,20	112	2,00	64	1,20	39	0,82
SKG.3.07	192	3,50	128	2,30	72	1,35	45	0,95
SKG.3.08	224	4,10	145	2,60	85	1,60	53	1,20

Flange dimensions

Pump type dimension	f ₁	e	f	g	i
SKG.3	32	100	140	18	4

Pump dimension

Pump type size	Pump												Shaft			
	b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	w	l	d	t	u
SKG.3	152	112	112	125	50	40	12	12	70	150	84	164	40	19	21,5	6

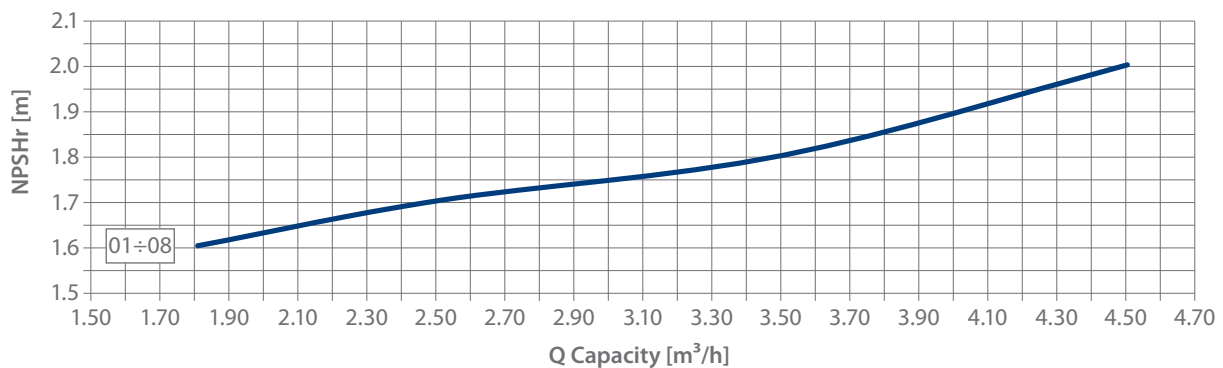
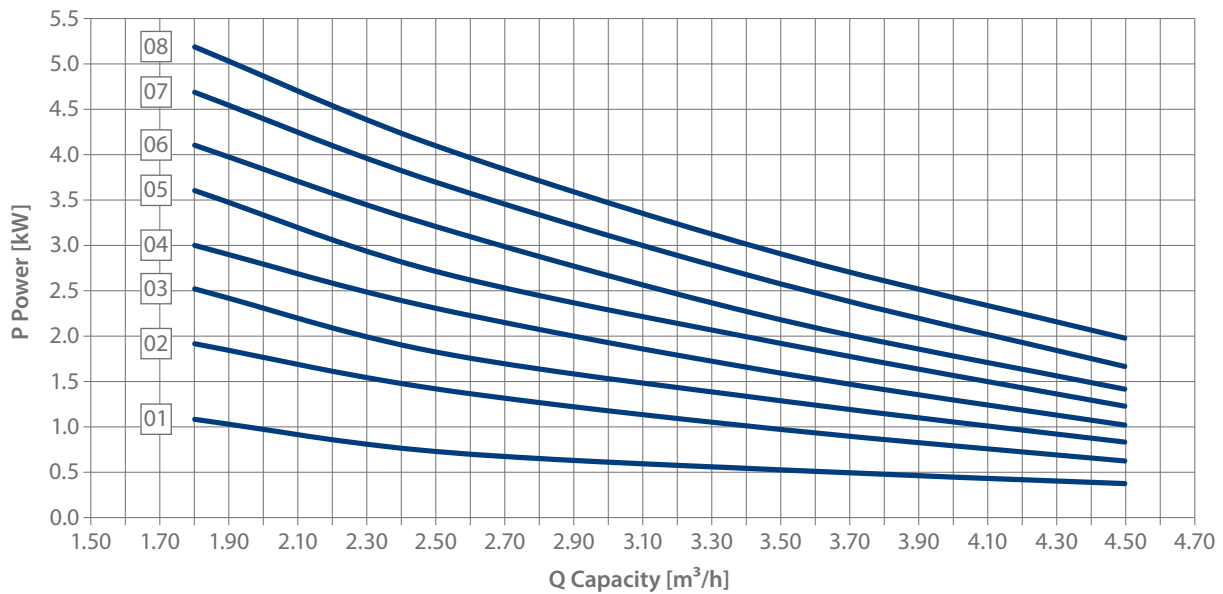
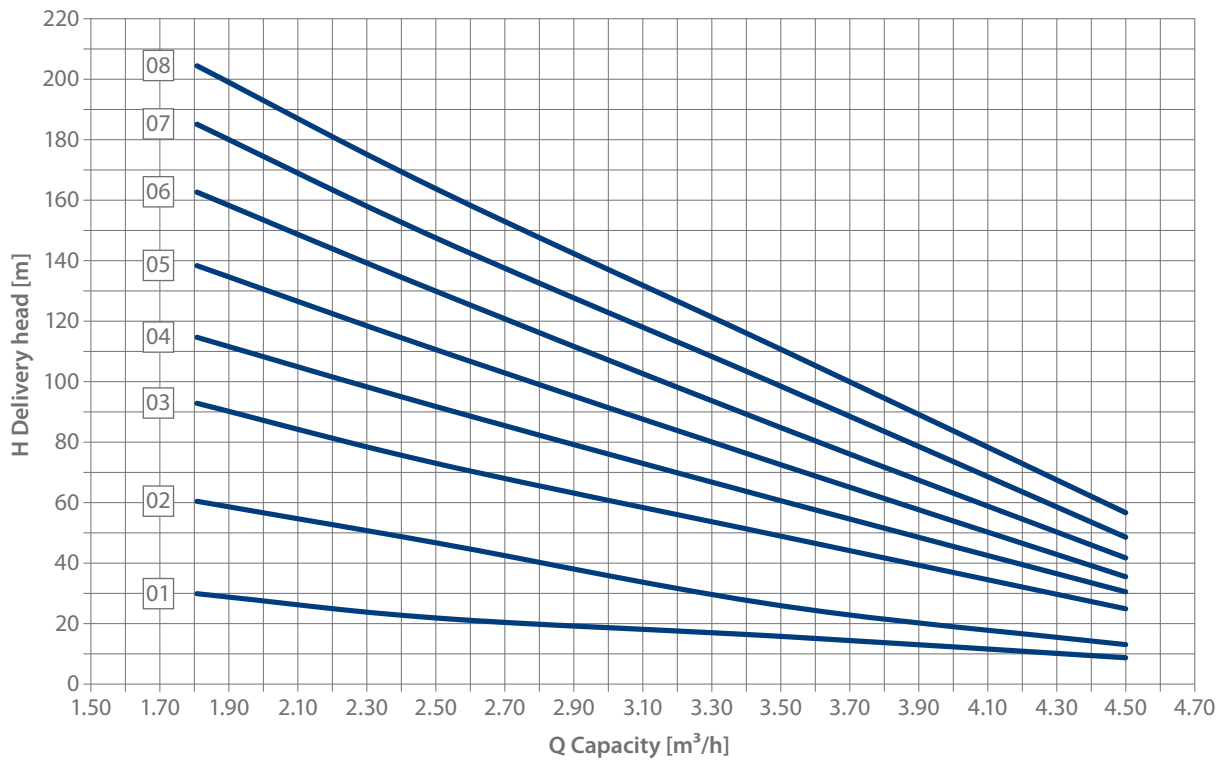
Dimension	l ₁	l ₂	l ₃
SKG.3.01	112	249	221
SKG.3.02	135	272	244
SKG.3.03	158	295	267
SKG.3.04	181	318	290
SKG.3.05	204	341	313
SKG.3.06	227	364	336
SKG.3.07	250	387	359
SKG.3.08	273	410	382

Dimension	l ₁	l ₂	l ₃
SKG.3.01	112	274	246
SKG.3.02	135	297	269
SKG.3.03	158	320	292
SKG.3.04	181	343	315
SKG.3.05	204	366	338
SKG.3.06	227	389	361
SKG.3.07	250	412	384
SKG.3.08	273	435	407

Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	D	F
60.45.01.1	767	285	340	167	262	25	620	226	–	14
60.45.02.1	767	285	340	167	262	25	620	226	–	14
60.46.01.1	977	395	430	167	297	260	545	261	131	14
60.60.02.1	450	290	160	166	220	20	410	–	–	14
60.61.01.1	486	301	185	166	220	20	446	–	–	14
60.60.03.1	450	290	160	160	178	20	410	–	–	14

SKG.4 CHARACTERISTICS



SKG.4 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
SKG.4.01	17,5	19,0	25	42,5	EZ1	904S	1,1	230	60.45.02.1	68.40.16.1	287	232	621
SKG.4.01	17,5	19,0	25	43,0	EZ1	904L	1,5	230	60.45.02.1	68.40.16.1	287	183	641
SKG.4.01	17,5	19,0	25	42,5	EZ1	90S4	1,1	400	60.45.02.1	68.40.16.1	287	222	668
SKG.4.01	17,5	19,0	25	45,0	EZ1	90L4	1,5	400	60.45.02.1	68.40.16.1	287	222	677
SKG.4.02	19,5	21,0	27	44,5	EZ1	904S	1,1	230	60.45.02.1	68.40.16.1	287	232	647
SKG.4.02	19,5	21,0	27	43,0	EZ1	904L	1,5	230	60.45.02.1	68.40.16.1	287	183	667
SKG.4.02	19,5	21,0	27	44,5	EZ1	90S4	1,1	400	60.45.02.1	68.40.16.1	287	222	672
SKG.4.02	19,5	21,0	27	49,5	EZ1	90L4	1,5	400	60.45.02.1	68.40.16.1	287	183	683
SKG.4.02	19,5	21,0	27	57,5	EZ1	90L4	1,5	400	60.45.02.1	68.40.03.1	287	222	703
SKG.4.02	19,5	22,5	28	49,0	EZ1	100L4A	2,2	400	60.45.02.1	68.40.17.1	287	222	731
SKG.4.03	22,5	24,0	46	57,5	EZ1	90S4	1,1	400	60.45.01.1	68.40.16.1	297	262	746
SKG.4.03	22,5	24,0	46	61,0	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	262	774
SKG.4.03	22,5	25,5	47,5	68,0	EZ1	100L4A	2,2	400	60.45.01.1	68.40.17.1	297	262	728
SKG.4.03	22,5	25,5	47,5	75,0	EZ1	100L4B	3,0	400	60.45.01.1	68.40.17.1	297	262	730
SKG.4.04	24,5	26,0	48	63,0	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	262	800
SKG.4.04	24,5	27,5	50	72,0	EZ1	100L4A	2,2	400	60.45.01.1	68.40.17.1	297	262	855
SKG.4.04	24,5	27,5	50	77,0	EZ1	100L4B	3,0	400	60.45.01.1	68.40.17.1	297	262	854
SKG.4.04	24,5	27,5	50	89,0	EZ1	112M4	4,0	400	60.45.01.1	—	297	262	881
SKG.4.05	28,5	30,0	58	76,0	EZ1	90L4	1,5	400	60.45.01.1	68.40.16.1	297	297	836
SKG.4.05	28,5	31,5	60	80,0	EZ1	100L4A	2,2	400	60.45.01.1	68.40.17.1	297	297	880
SKG.4.05	28,5	31,5	60	87,0	EZ1	100L4B	3,0	400	60.45.01.1	68.40.17.1	297	297	882
SKG.4.05	28,5	31,5	60	100,0	EZ1	112M4	4,0	400	60.45.01.1	—	297	297	907
SKG.4.06	30,5	33,5	62	84,0	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	906
SKG.4.06	30,5	33,5	62	89,0	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	908
SKG.4.06	30,5	33,5	62	102,0	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	933
SKG.4.06	30,5	33,5	62	117,0	EZ1	132S4	5,5	400	60.46.01.1	68.40.18.1	312	297	980
SKG.4.07	32,5	35,5	64	84,0	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	905
SKG.4.07	32,5	35,5	64	91,0	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	934
SKG.4.07	32,5	35,5	64	104,0	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	966
SKG.4.07	32,5	37,0	65	120,0	EZ3	132S4	5,5	400	60.46.01.1	68.40.18.1	312	297	1006
SKG.4.08	34,5	37,5	66	86,0	EZ1	100L4A	2,2	400	60.46.01.1	68.40.17.1	292	297	931
SKG.4.08	34,5	37,5	66	93,0	EZ1	100L4B	3,0	400	60.46.01.1	68.40.17.1	292	297	960
SKG.4.08	34,5	37,5	66	106,0	EZ1	112M4	4,0	400	60.46.01.1	—	292	297	988
SKG.4.08	34,5	39,0	67	122,0	EZ3	132S4	5,5	400	60.46.01.1	68.40.18.1	312	297	1032
SKG.4.08	34,5	41,5	70	136,0	EZ3	132M4	7,5	400	60.46.01.1	68.40.18.1	312	297	1071

Table of capacity and absorbed power on the shaft SKG.4

Pump marking	Capacity Q [m³/h]							
	1,8		2,5		3,5		4,5	
	Capacity Q [l/min]							
	30		42		58		75	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKG.4.01	29	1,05	21	0,70	15	0,50	8	0,35
SKG.4.02	60	1,90	46	1,40	25	0,95	12	0,60
SKG.4.03	92	2,50	72	1,80	48	1,26	24	0,80
SKG.4.04	114	3,00	91	2,30	60	1,58	30	1,00
SKG.4.05	138	3,60	110	2,70	72	1,90	35	1,20
SKG.4.06	162	4,10	129	3,20	84	2,17	41	1,40
SKG.4.07	185	4,70	147	3,70	98	2,57	48	1,65
SKG.4.08	204	5,20	168	4,10	110	2,90	56	1,96

Flange dimensions

Pump type dimension	f ₁	e	f	g	i
SKG.4	32	100	140	18	4

Pump dimension

Pump type size	Pump												Shaft			
	b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	w	l	d	t	u
SKG.4	152	112	112	125	50	40	12	12	70	150	84	164	40	19	21,5	6

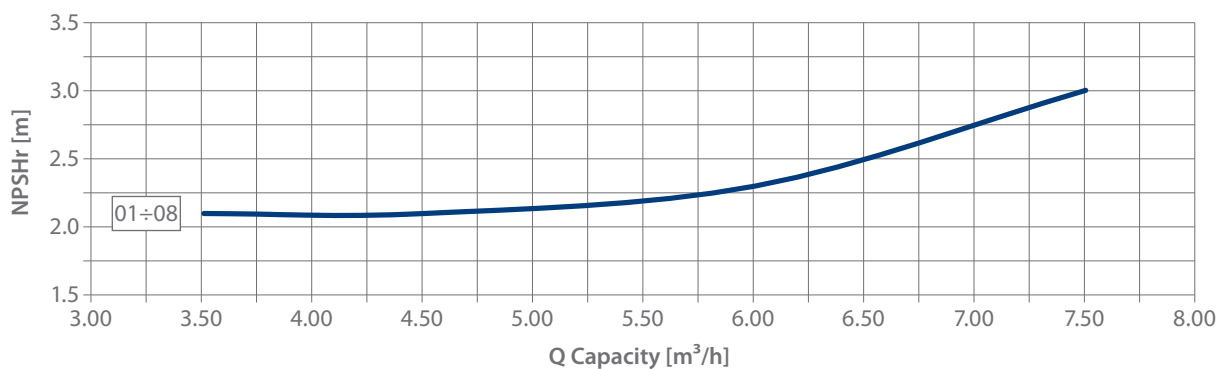
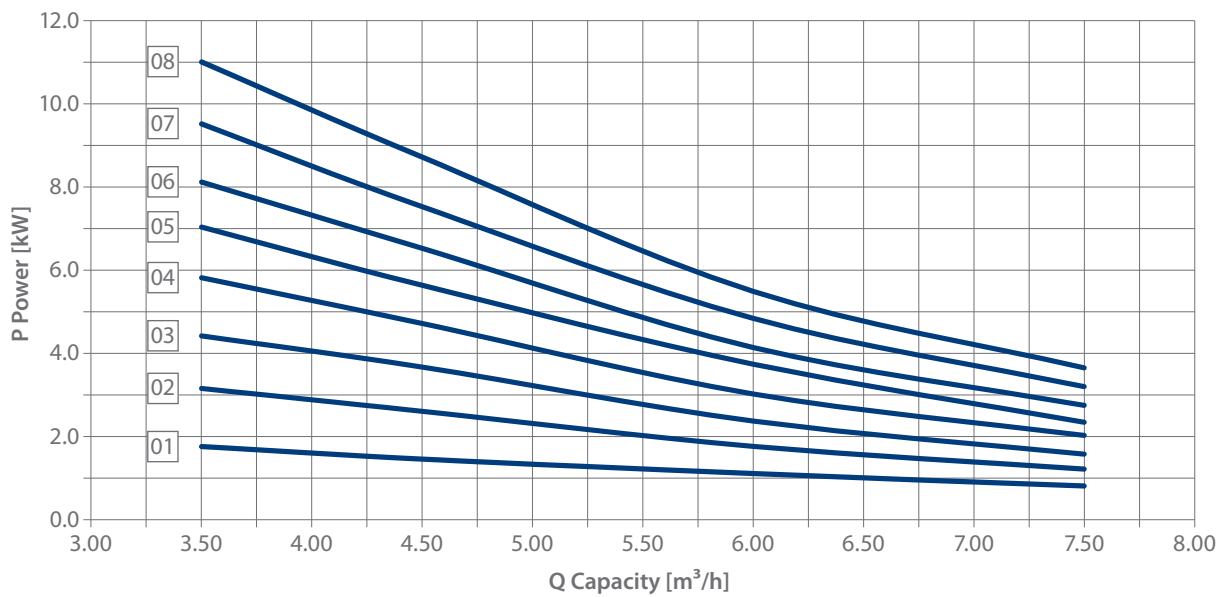
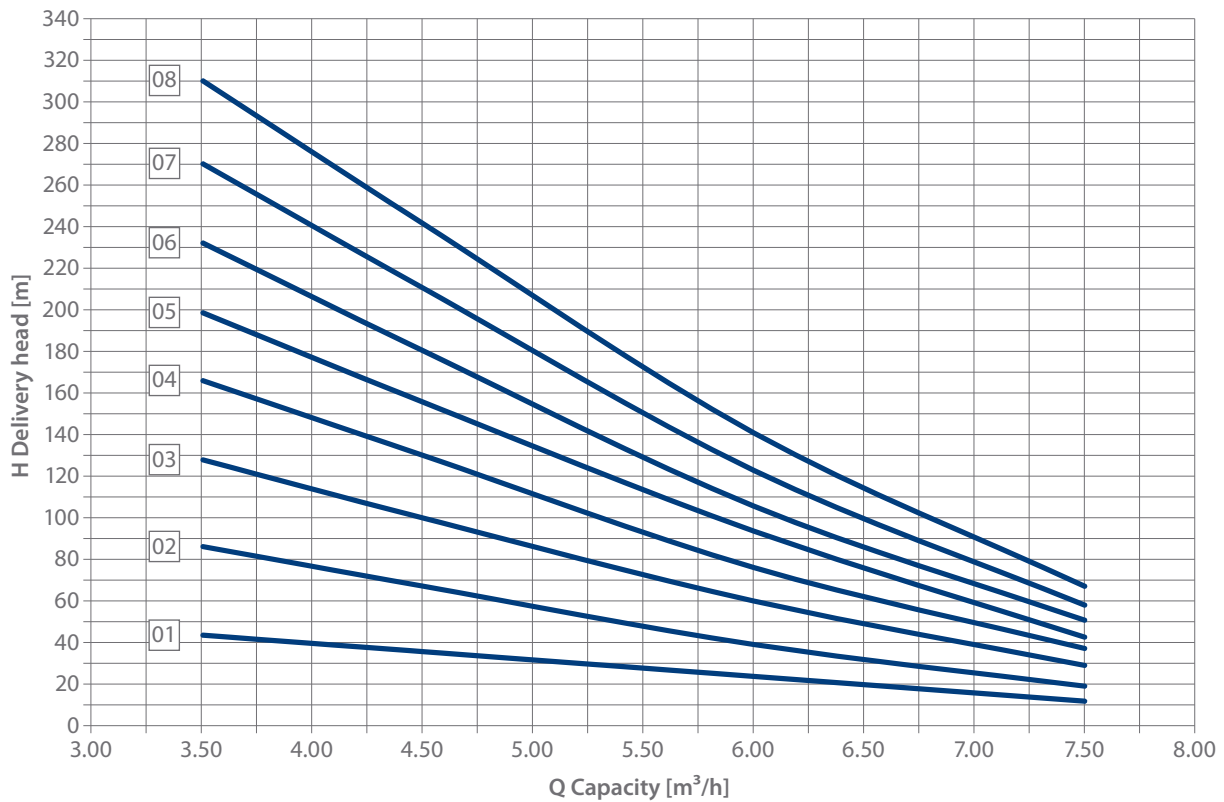
Dimension	l ₁	l ₂	l ₃
SKG.4.01	115	224	252
SKG.4.02	141	250	278
SKG.4.03	167	276	304
SKG.4.04	193	302	330
SKG.4.05	219	328	365
SKG.4.06	245	354	382
SKG.4.07	271	380	408
SKG.4.08	297	406	434

Dimension	l ₁	l ₂	l ₃
SKG.4.01	115	249	277
SKG.4.02	141	275	303
SKG.4.03	167	301	329
SKG.4.04	193	327	355
SKG.4.05	219	353	390
SKG.4.06	245	379	407
SKG.4.07	271	405	433
SKG.4.08	297	431	459

Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	D	F
60.45.01.1	767	285	340	167	262	25	620	226	—	14
60.45.02.1	767	285	340	167	262	25	620	226	—	14
60.46.01.1	977	395	430	167	297	260	545	261	131	14
60.60.02.1	450	290	160	166	220	20	410	—	—	14
60.61.01.1	486	301	185	166	220	20	446	—	—	14
60.60.03.1	450	290	160	160	178	20	410	—	—	14

SKG.5 CHARACTERISTICS



SKG.5 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
	Pump marking	with free shaft end	with coupling	with coupling and foundation plate									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
SKG.5.01	26	27,5	53,5	67,5	EZ1	90S4	1,1	400	60.48.01.1	68.40.07.1	332	296	694
SKG.5.01	26	27,5	53,5	70,5	EZ1	90L4	1,5	400	60.48.01.1	68.40.07.1	332	296	725
SKG.5.01	26	29	55	72,0	EZ1	100L4A	2,2	400	60.48.03.1	—	332	296	757
SKG.5.01	26	29	55	82,0	EZ1	100L4B	3,0	400	60.48.03.1	—	332	296	763
SKG.5.02	30	31,5	57,5	74,0	EZ1	90L4	1,5	400	60.48.01.1	—	332	296	755
SKG.5.02	30	33	59	76,0	EZ1	100L4A	2,2	400	60.48.03.1	—	332	296	797
SKG.5.02	30	33	59	97,0	EZ1	100L4B	3,0	400	60.48.03.1	—	332	296	819
SKG.5.02	30	33	59	100,0	EZ1	112M4	4,0	400	60.48.02.1	—	332	296	812
SKG.5.03	34	37	63	80,0	EZ1	100L4A	2,2	400	60.48.03.1	—	332	296	817
SKG.5.03	34	37	63	90,0	EZ1	100L4B	3,0	400	60.48.03.1	—	332	296	819
SKG.5.03	34	37	63	104,0	EZ1	112M4	4,0	400	60.48.02.1	—	332	296	842
SKG.5.03	34	38	64	120,0	EZ3	132S4	5,5	400	60.48.01.1	—	332	337	890
SKG.5.04	38	41	72	99,0	EZ1	100L4B	3,0	400	60.49.01.1	68.40.04.1	332	337	884
SKG.5.04	38	42	73	113,0	EZ1	112M4	4,0	400	60.49.01.1	68.40.05.1	332	337	884
SKG.5.04	38	42	73	128,0	EZ3	132S4	5,5	400	60.49.01.1	—	332	337	920
SKG.5.04	38	45	76	142,0	EZ3	132M4	7,5	400	60.49.01.1	—	332	337	958
SKG.5.05	44	47	78	116,0	EZ1	100L4B	3,0	400	60.49.01.1	68.40.04.1	332	337	914
SKG.5.05	44	47	78	123,0	EZ1	112M4	4,0	400	60.49.01.1	68.40.05.1	332	337	932
SKG.5.05	44	48	79	134,0	EZ3	132S4	5,5	400	60.49.01.1	—	332	337	950
SKG.5.05	44	51	82	148,0	EZ3	132M4	7,5	400	60.49.01.1	—	332	337	988
SKG.5.05	44	55	86	183,0	EZ3	160M4	11,0	400	60.50.02.1	—	360		1081
SKG.5.06	48	51	82	109,0	EZ1	100L4B	3,0	400	60.49.01.1	68.40.04.1	332	337	902
SKG.5.06	48	51	82	123,0	EZ1	112M4	4,0	400	60.49.01.1	68.40.05.1	332	337	932
SKG.5.06	48	52	83	138,0	EZ3	132S4	5,5	400	60.49.01.1	—	332	337	980
SKG.5.06	48	55	86	152,0	EZ3	132M4	7,5	400	60.49.01.1	—	332	337	1018
SKG.5.06	48	59	90	187,0	EZ3	160M4	11,0	400	60.50.02.1	—	360	337	1111
SKG.5.07	52	55	92	133,0	EZ1	112M4	4,0	400	60.50.01.1	68.40.05.1	332	337	1019
SKG.5.07	52	56	93	148,0	EZ3	132S4	5,5	400	60.50.01.1	—	332	337	1010
SKG.5.07	52	59	96	162,0	EZ3	132M4	7,5	400	60.50.01.1	—	332	337	1048
SKG.5.07	52	63	100	196,0	EZ3	160M4	11,0	400	60.50.02.1	—	360	337	1141
SKG.5.07	52	63	100	216,0	EZ3	160L4	15,0	400	60.50.02.1	—	360	337	1183
SKG.5.08	56	59	98	139,0	EZ1	112M4	4,0	400	60.50.01.1	68.40.05.1	332	337	1019
SKG.5.08	56	60	99	154,0	EZ3	132S4	5,5	400	60.50.01.1	—	332	337	1040
SKG.5.08	56	63	102	168,0	EZ3	132M4	7,5	400	60.50.01.1	—	332	337	1076
SKG.5.08	56	67	106	203,0	EZ3	160M4	11,0	400	60.50.02.1	—	360	337	1071
SKG.5.08	56	67	106	222,0	EZ3	160L4	15,0	400	60.51.01.1	—	360	337	1215

Table of capacity and absorbed power on the shaft SKG.5

Pump marking	Capacity Q [m³/h]							
	3,5		4,5		6		7,5	
	Capacity Q [l/min]							
	58		75		100		125	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKG.5.01	43	1,70	35	1,40	23	1,05	11	0,75
SKG.5.02	85	3,10	66	2,55	38	1,70	18	1,15
SKG.5.03	127	4,40	99	3,65	59	2,35	28	1,55
SKG.5.04	165	5,80	129	4,70	75	3,00	36	2,00
SKG.5.05	198	7,00	155	5,60	93	3,70	42	2,30
SKG.5.06	232	8,10	180	6,50	105	4,10	50	2,70
SKG.5.07	270	9,50	210	7,50	122	4,80	57	3,15
SKG.5.08	310	11,0	241	8,70	140	5,45	66	3,60

Flange dimensions

Pump type dimension	f ₁	e	f	g	i
SKG.5	40	110	145	18	4

Pump dimension

Pump type size	Pump												Shaft			
	b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	w	l	d	t	u
SKG.5	185	145	132	140	55	40	16	14	65	176	82	194	40	24	27	8

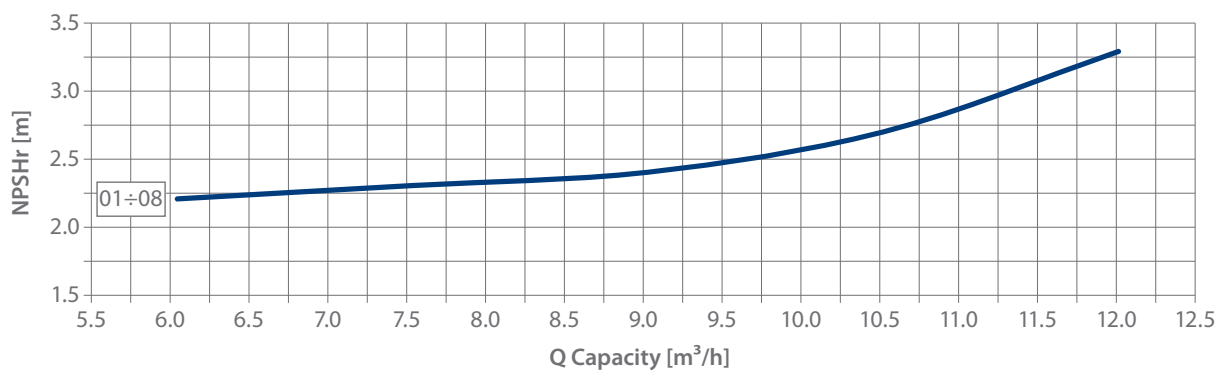
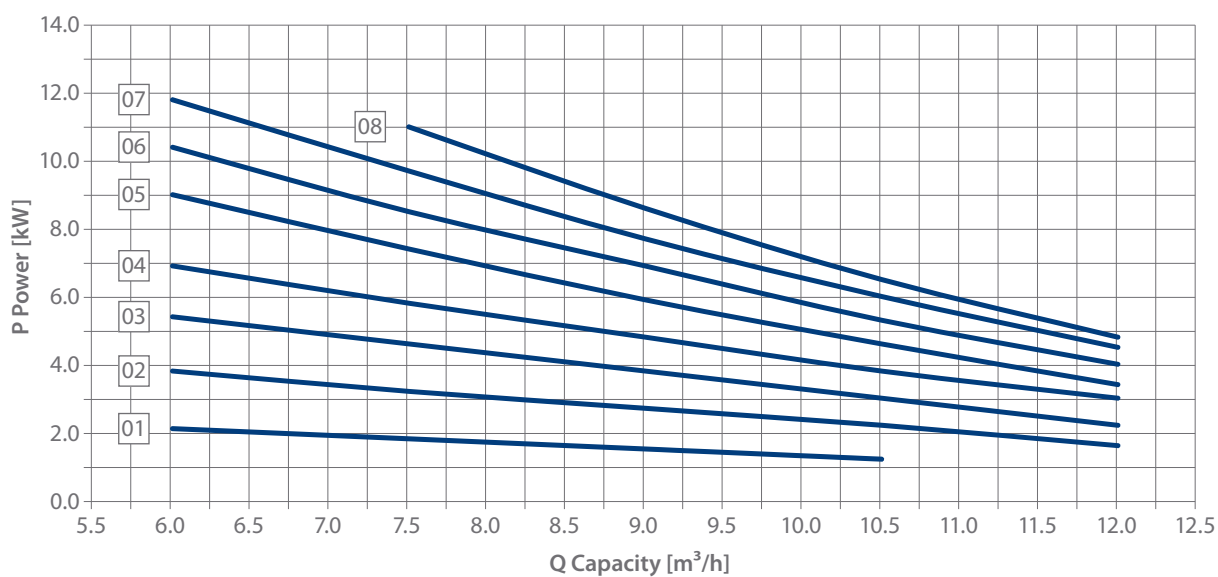
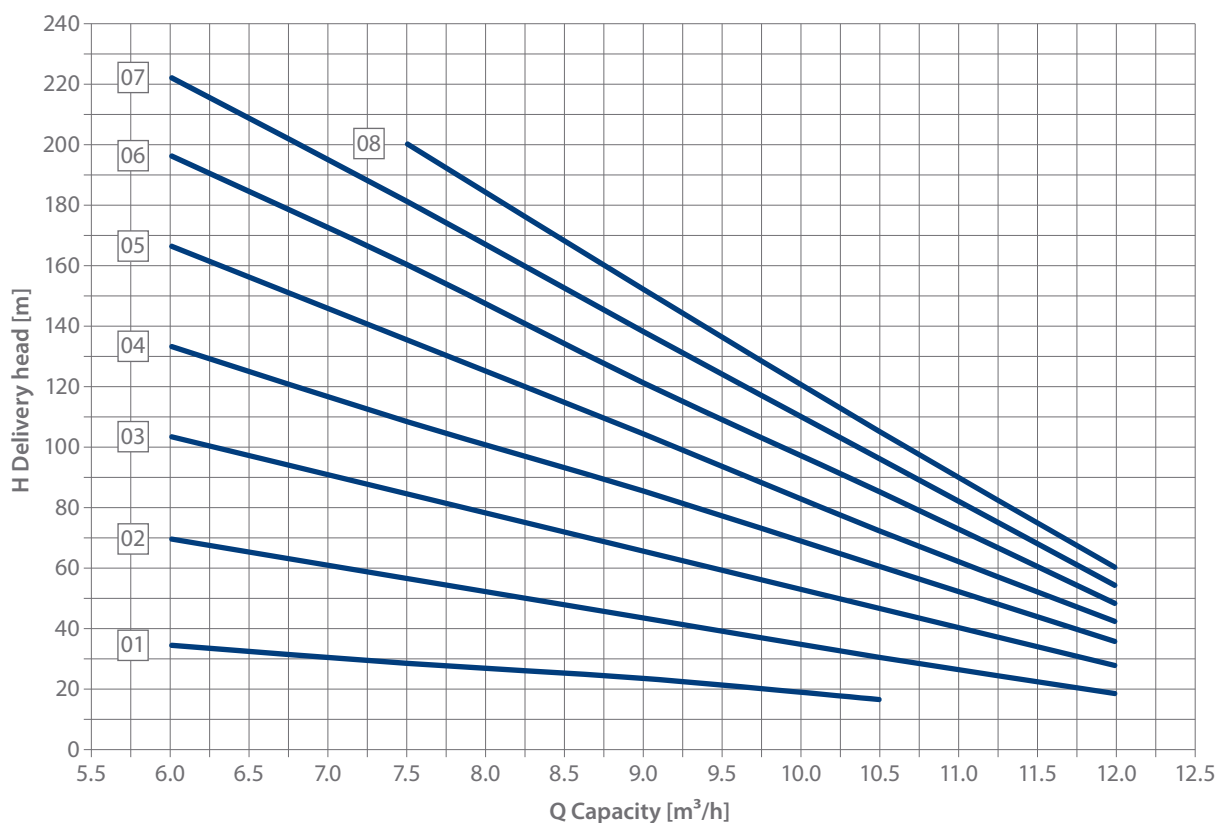
Dimension	l ₁	l ₂	l ₃
SKG.5.01	126	300	253
SKG.5.02	156	330	283
SKG.5.03	186	360	313
SKG.5.04	216	390	343
SKG.5.05	246	420	373
SKG.5.06	276	450	403
SKG.5.07	306	480	433
SKG.5.08	336	510	463

Dimension	l ₁	l ₂	l ₃
SKG.5.01	126	335	288
SKG.5.02	156	365	318
SKG.5.03	186	395	348
SKG.5.04	216	425	378
SKG.5.05	246	455	408
SKG.5.06	276	485	438
SKG.5.07	306	515	468
SKG.5.08	336	545	498

Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	D	F
60.48.01.1	822	340	360	198	296	180	505	260	162	14
60.48.02.1	822	340	360	198	296	180	505	260	162	14
60.48.03.1	822	340	360	198	296	180	505	260	162	14
60.49.01.1	957	400	420	198	337	200	610	300	162	14
60.50.01.1	1082	440	480	198	337	220	710	300	162	14
60.50.02.1	1082	440	480	198	337	220	710	300	162	14
60.51.01.1	1207	440	530	198	372	250	750	336	162	-

SKG.6 CHARACTERISTICS



SKG.6 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
SKG.6.01	26,0	27,5	54	66	EZ1	90L4	1,5	400	60.48.01.1	68.40.07.1	332	296	749
SKG.6.01	26,0	29	55	72	EZ1	100L4A	2,2	400	60.48.03.1	—	332	296	763
SKG.6.01	26,0	29	55	82	EZ1	100L4B	3,0	400	60.48.03.1	—	332	296	765
SKG.6.02	28,5	32	58	75	EZ1	100L4A	2,2	400	60.48.03.1	—	332	296	798
SKG.6.02	28,5	32	58	85	EZ1	100L4B	3,0	400	60.48.03.1	—	332	296	800
SKG.6.02	28,5	32	58	99	EZ1	112M4	4,0	400	60.48.02.1	—	332	296	823
SKG.6.03	31,0	34	60	87	EZ1	100L4B	3,0	400	60.48.03.1	—	332	296	825
SKG.6.03	31,0	34	60	101	EZ1	112M4	4,0	400	60.48.02.1	—	332	296	853
SKG.6.03	31,0	35	61	116	EZ3	132S4	5,5	400	60.48.01.1	—	332	296	913
SKG.6.03	31,0	38	69	135	EZ3	132M4	7,5	400	60.49.01.1	—	332	296	943
SKG.6.04	33,5	37	68	109	EZ1	112M4	4,0	400	60.49.01.1	68.40.05.1	332	337	884
SKG.6.04	33,5	38	69	124	EZ3	132S4	5,5	400	60.49.01.1	—	332	337	943
SKG.6.04	33,5	51	72	138	EZ3	132M4	7,5	400	60.49.01.1	—	332	337	978
SKG.6.05	43,0	46	77	118	EZ1	112M4	4,0	400	60.49.01.1	68.40.05.1	332	337	924
SKG.6.05	43,0	47	78	133	EZ3	132S4	5,5	400	60.49.01.1	—	332	337	978
SKG.6.05	43,0	50	81	147	EZ3	132M4	7,5	400	60.49.01.1	—	332	337	1013
SKG.6.05	43,0	54	91	188	EZ3	160M4	11,0	400	60.50.02.1	—	360	337	1108
SKG.6.06	47,0	51	88	143	EZ3	132S4	5,5	400	60.50.01.1	—	332	337	1013
SKG.6.06	47,0	54	91	157	EZ3	132M4	7,5	400	60.50.01.1	—	332	337	1048
SKG.6.06	47,0	58	95	192	EZ3	160M4	11,0	400	60.50.02.1	—	360	337	1143
SKG.6.06	47,0	58	95	211	EZ3	160L4	15,0	400	60.50.02.1	—	360	337	1185
SKG.6.07	51,0	55	94	149	EZ3	132S4	5,5	400	60.50.01.1	—	332	337	1048
SKG.6.07	51,0	58	97	163	EZ3	132M4	7,5	400	60.50.01.1	—	332	337	1073
SKG.6.07	51,0	62	101	194	EZ3	160M4	11,0	400	60.50.02.1	—	360	337	1178
SKG.6.07	51,0	62	101	217	EZ3	160L4	15,0	400	60.51.01.1	—	360	337	1220
SKG.6.08	55,0	59	98	153	EZ3	132S4	5,5	400	60.50.01.1	—	332	337	1083
SKG.6.08	55,0	62	101	167	EZ3	132M4	7,7	400	60.50.01.1	—	332	337	1106
SKG.6.08	55,0	66	105	198	EZ3	160M4	11,0	400	60.50.02.1	—	360	337	1213
SKG.6.08	55,0	66	105	221	EZ3	160L4	15,0	400	60.51.01.1	—	360	337	1255

Table of capacity and absorbed power on the shaft SKG.6

Pump marking	Capacity Q [m³/h]									
	6		7,5		9		10,5		12	
	Capacity Q [l/min]									
	100		125		150		175		200	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKG.6.01	34	2,10	28	1,80	23	1,50	16	1,20	—	—
SKG.6.02	69	3,80	56	3,20	43	2,70	30	2,20	18	1,60
SKG.6.03	103	5,40	84	4,60	65	3,80	46	3,00	27	2,20
SKG.6.04	133	6,90	108	5,80	85	4,80	60	3,80	35	3,00
SKG.6.05	166	9,00	135	7,40	104	5,90	72	4,60	42	3,40
SKG.6.06	196	10,4	160	8,50	121	6,90	85	5,30	48	4,00
SKG.6.07	222	11,8	181	9,70	138	7,70	96	6,00	54	4,50
SKG.6.08	—	—	200	11,0	152	8,60	105	6,50	60	4,80

Flange dimensions

Pump type dimension	f ₁	e	f	g	i
SKG.6	40	110	145	18	4

Pump dimension

Pump type size	Pump												Shaft			
	b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	w	l	d	t	u
SKG.6	185	145	132	140	55	40	16	14	65	176	82	194	40	24	27	8

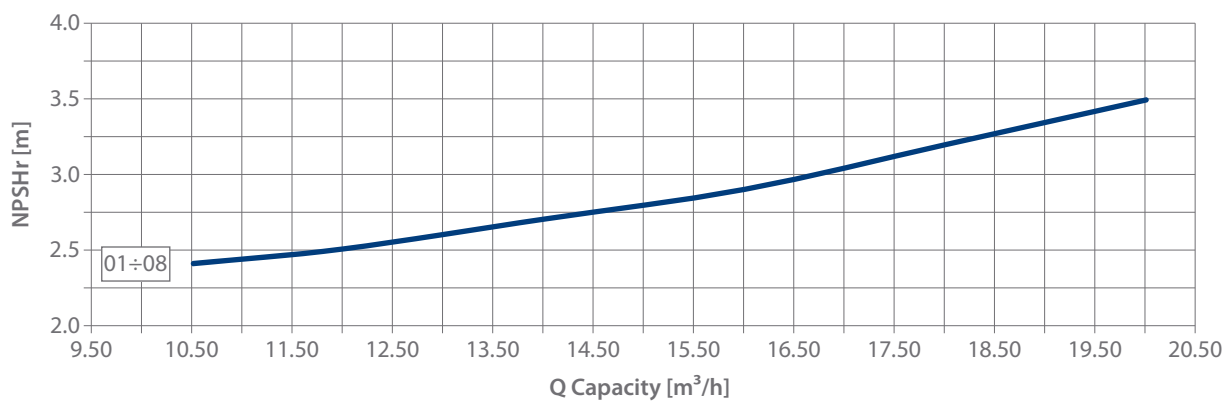
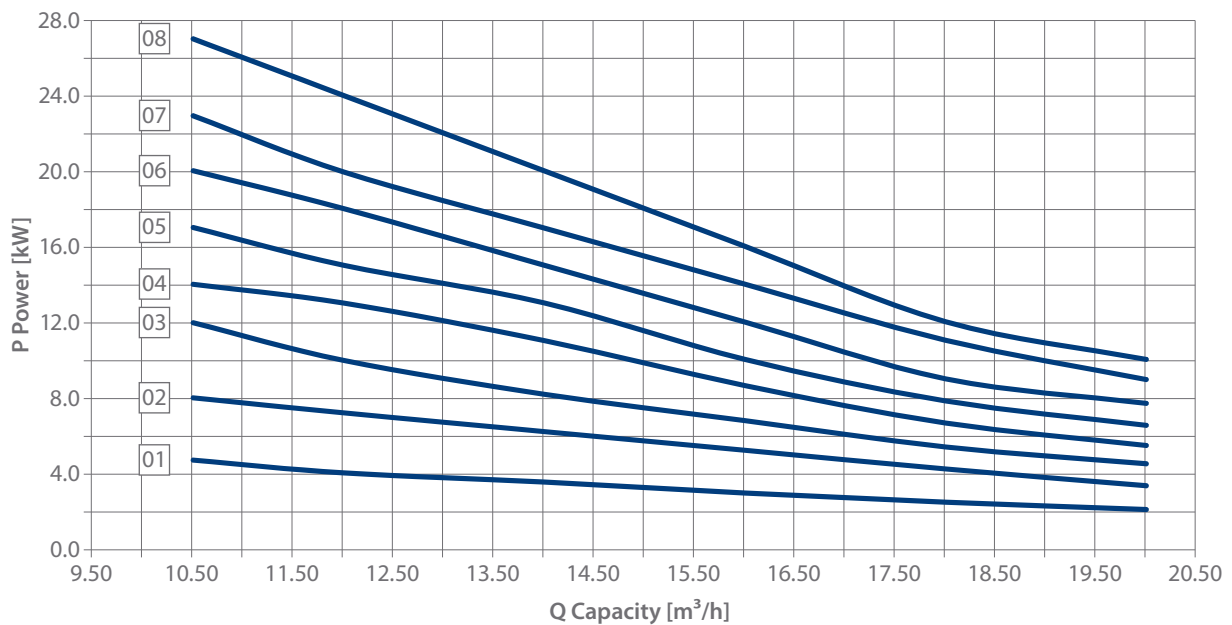
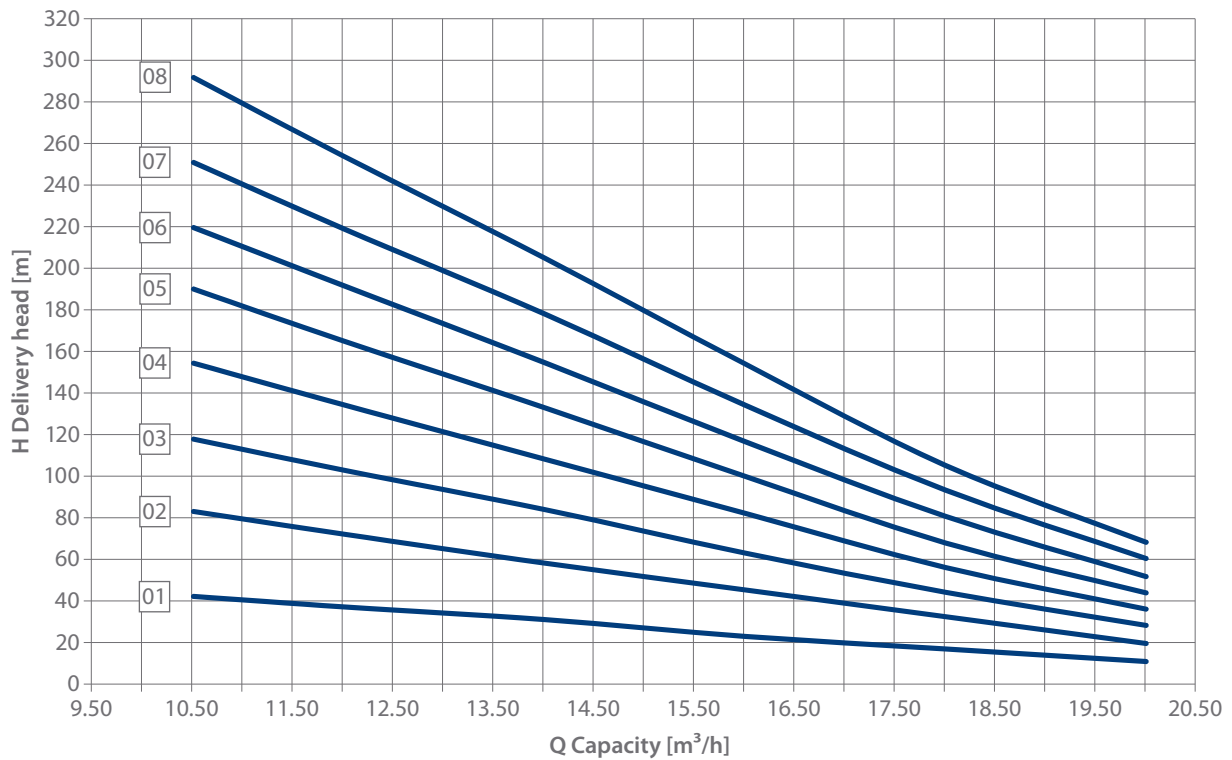
Dimension	l ₁	l ₂	l ₃
SKG.6.01	133	307	260
SKG.6.02	168	342	295
SKG.6.03	203	377	330
SKG.6.04	238	412	365
SKG.6.05	273	447	400
SKG.6.06	308	482	435
SKG.6.07	343	417	470
SKG.6.08	378	552	505

Dimension	l ₁	l ₂	l ₃
SKG.6.01	133	342	295
SKG.6.02	168	377	330
SKG.6.03	203	412	365
SKG.6.04	238	447	400
SKG.6.05	273	482	435
SKG.6.06	308	517	470
SKG.6.07	343	452	505
SKG.6.08	378	587	540

Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	D	F
60.48.01.1	822	340	360	198	296	180	505	260	162	14
60.48.02.1	822	340	360	198	296	180	505	260	162	14
60.48.03.1	822	340	360	198	296	180	505	260	162	14
60.49.01.1	957	400	420	198	337	200	610	300	162	14
60.50.01.1	1082	440	480	198	337	220	710	300	162	14
60.50.02.1	1082	440	480	198	337	220	710	300	162	14
60.51.01.1	1207	440	530	198	372	250	750	336	162	—

SKG.7 CHARACTERISTICS



SKG.7 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
SKG.7.01	44	47	78	105	EZ1	100L4B	3,0	400	60.52.01.1	68.40.15.1	395	270	828
SKG.7.01	44	47	78	119	EZ1	112M4	4,0	400	60.52.01.1	68.40.01.1	395	270	851
SKG.7.01	44	48	79	135	EZ3	132S4	5,5	400	60.52.01.1	—	395	270	894
SKG.7.02	51	54	85	125	EZ1	112M4	4,0	400	60.52.01.1	68.40.01.1	395	270	893
SKG.7.02	51	55	86	141	EZ3	132S4	5,5	400	60.52.01.1	—	395	270	937
SKG.7.02	51	58	89	155	EZ3	132M4	7,5	400	60.52.01.1	—	395	270	977
SKG.7.02	51	57	89	185	EZ3	160M4	11,0	400	60.53.01.1	—	395	310	1067
SKG.7.03	57	61	92	147	EZ3	132S4	5,5	400	60.52.01.1	—	395	270	977
SKG.7.03	57	64	95	161	EZ3	132M4	7,5	400	60.52.01.1	—	395	270	977
SKG.7.03	57	63	95	191	EZ3	160M4	11,0	400	60.53.01.1	—	395	310	1112
SKG.7.03	57	63	102	217	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	415	350	1157
SKG.7.04	63	67	97	152	EZ3	132S4	5,5	400	60.54.01.1	—	395	270	1022
SKG.7.04	63	70	10	166	EZ3	132M4	7,5	400	60.54.01.1	—	395	270	1062
SKG.7.04	63	69	108	204	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	415	350	1152
SKG.7.04	63	69	108	223	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	415	350	1197
SKG.7.04	63	69	108	251	EZ7	180M4	18,5	400	60.55.01.1	—	415	350	1240
SKG.7.05	70	74	104	159	EZ3	132S4	5,5	400	60.54.01.1	—	395	270	1062
SKG.7.05	70	77	107	173	EZ3	132M4	7,5	400	60.54.01.1	—	395	270	1102
SKG.7.05	70	76	115	211	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	415	350	1197
SKG.7.05	70	76	115	230	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	415	350	1237
SKG.7.05	70	76	115	258	EZ7	180M4	18,5	400	60.55.01.1	—	415	350	1285
SKG.7.05	70	80	119	285	EZ7	180L4	22,0	400	60.55.01.1	—	415	350	1320
SKG.7.06	77	81	111	166	EZ3	132S4	5,5	400	60.54.01.1	—	395	270	1107
SKG.7.06	77	84	114	180	EZ3	132M4	7,5	400	60.54.01.1	—	395	270	1147
SKG.7.06	77	83	122	218	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	415	350	1237
SKG.7.06	77	83	122	237	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	415	350	1282
SKG.7.06	77	83	122	265	EZ7	180M4	18,5	400	60.55.01.1	—	415	350	1325
SKG.7.06	77	86	125	290	EZ7	180L4	22,0	400	60.55.01.1	—	415	350	1365
SKG.7.06	77	86	145	395	EZ7	200L4	30,0	400	60.57.01.1	—	435	350	1425
SKG.7.07	84	91	133	200	EZ3	132M4	7,5	400	60.56.01.1	68.40.20.1	395	310	1187
SKG.7.07	84	90	132	228	EZ3	160M4	11,0	400	60.56.01.1	—	395	310	1277
SKG.7.07	84	90	132	248	EZ3	160L4	15,0	400	60.56.01.1	—	395	310	1322
SKG.7.07	84	90	149	292	EZ7	180M4	18,5	400	60.57.01.1	68.40.19.1	435	400	1365
SKG.7.07	84	93	152	317	EZ7	180L4	22,0	400	60.57.01.1	68.40.19.1	435	400	1405
SKG.7.07	84	93	152	402	EZ7	200L4	30,0	400	60.57.01.1	—	435	400	1470
SKG.7.08	91	98	140	206	EZ3	132M4	7,5	400	60.56.01.1	68.40.20.1	395	310	1227
SKG.7.08	91	97	139	235	EZ3	160M4	11,0	400	60.56.01.1	—	395	310	1322
SKG.7.08	91	97	139	254	EZ3	160L4	15,0	400	60.56.01.1	—	395	310	1367
SKG.7.08	91	97	156	299	EZ7	180M4	18,5	400	60.57.01.1	68.40.19.1	435	400	1410
SKG.7.08	91	100	159	324	EZ7	180L4	22,0	400	60.57.01.1	68.40.19.1	435	400	1445
SKG.7.08	91	100	159	409	EZ7	200L4	30,0	400	60.57.01.1	—	435	595	1510

Table of capacity and absorbed power on the shaft SKG.7

Pump marking	Capacity Q [m³/h]											
	10,5		12		14		16		18		20	
	Capacity Q [l/min]											
	175		200		233		267		300		333	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKG.7.01	41	4,7	36	4,0	30	3,5	22	2,9	16	2,4	10	2,0
SKG.7.02	82	8,0	71	7,2	57	6,2	44	5,2	31	4,2	18	3,3
SKG.7.03	117	12,0	102	10,0	83	8,2	62	6,8	43	5,4	27	4,5
SKG.7.04	153	14,0	133	13,0	107	11,0	81	8,6	55	6,6	35	5,4
SKG.7.05	189	17,0	164	15,0	132	13,0	99	10,0	67	7,8	43	6,5
SKG.7.06	219	20,0	191	18,0	154	15,0	116	12,0	80	9,0	51	7,7
SKG.7.07	250	23,0	218	20,0	177	17,0	133	14,0	92	11,0	59	8,9
SKG.7.08	291	27,0	253	24,0	204	20,0	153	16,0	104	12,0	67	10,0

Flange dimensions

Pump type dimension	f ₁	e	f	g	i
SKG.7	50	125	160	18	4

i – quantity of holes

Pump dimension

Pump type size	Pump											Shaft			
	b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	l	d	t	u
SKG.7	200	150	160	165	65	50	16	14	78	222	108	60	28	31	8

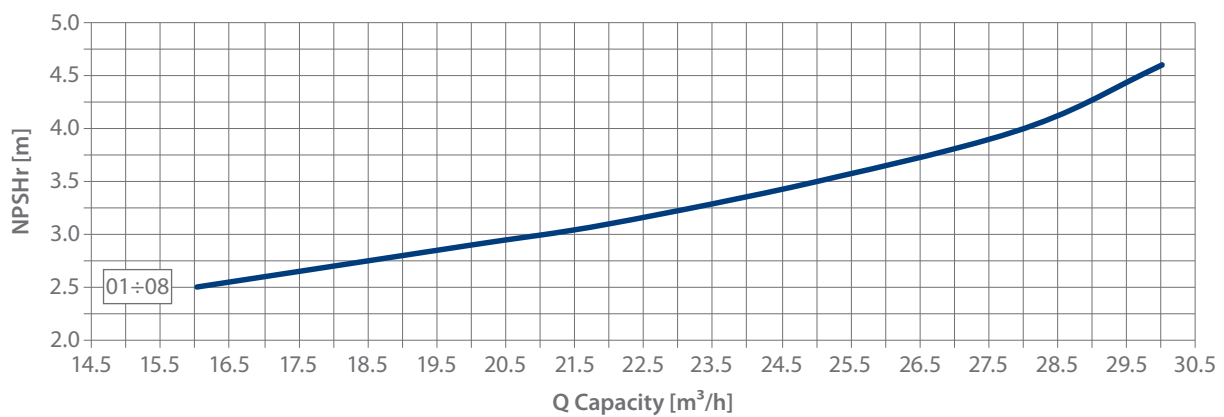
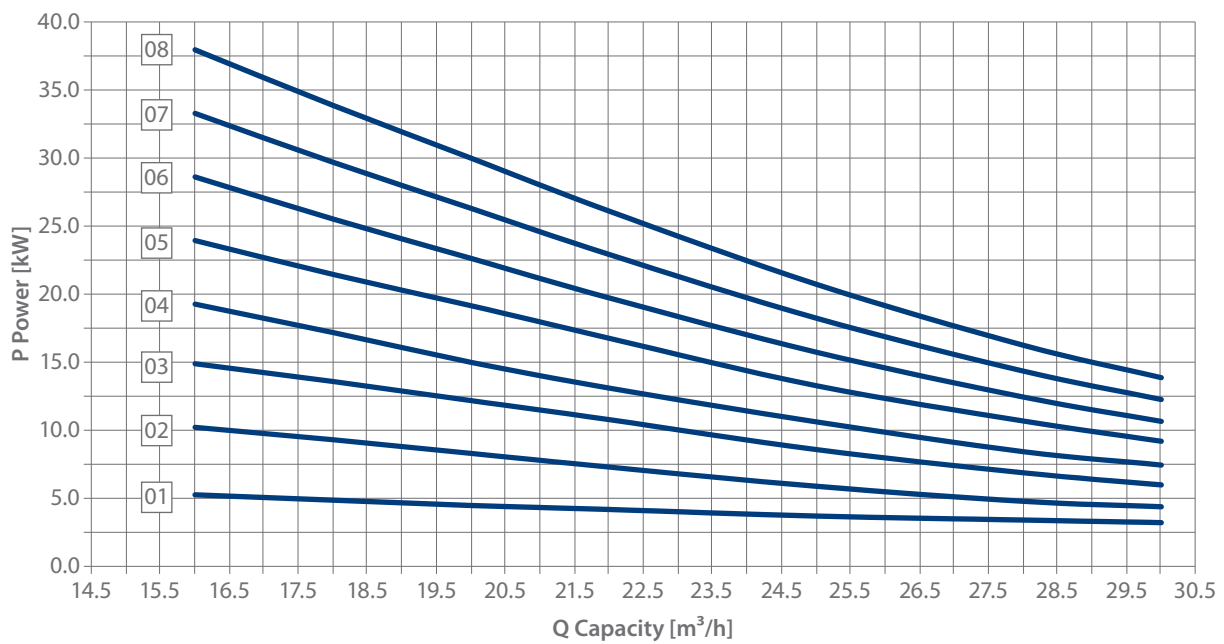
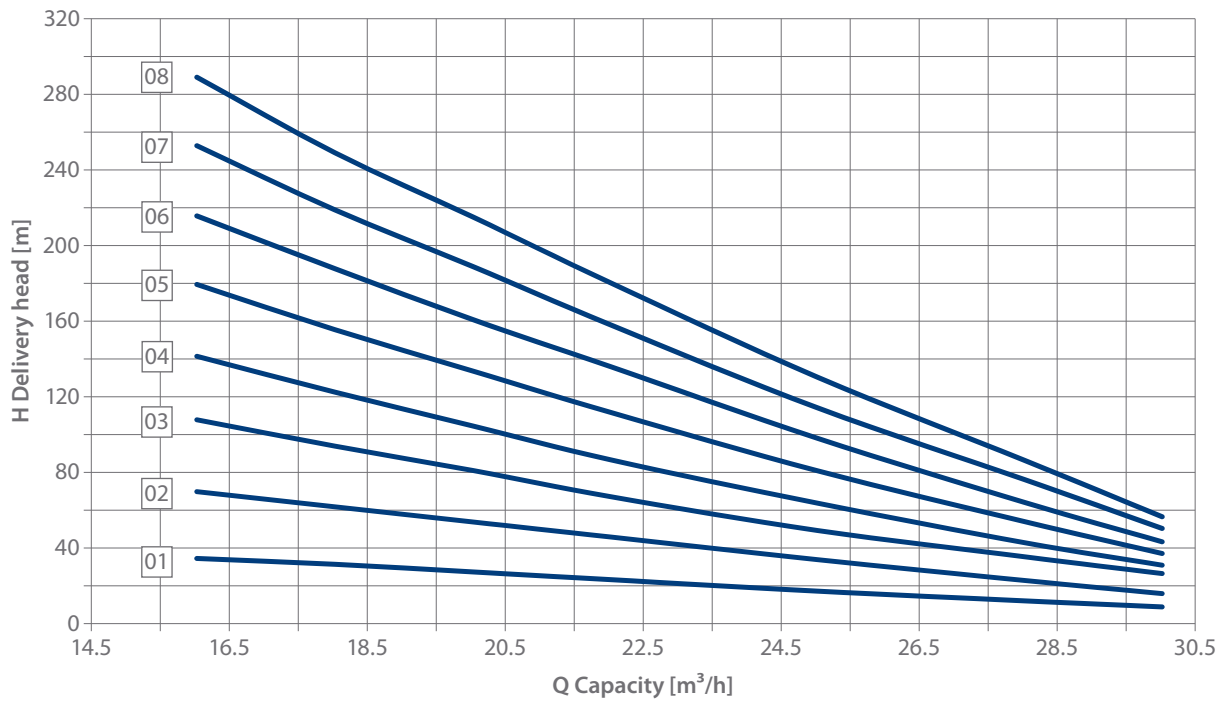
Dimension	l ₁	l ₂	l ₃
SKG.7.01	136	366	316
SKG.7.02	178	408	358
SKG.7.03	220	450	400
SKG.7.04	262	492	442
SKG.7.05	304	534	484
SKG.7.06	346	576	526
SKG.7.07	388	618	568
SKG.7.08	430	660	610

Dimension	l ₁	l ₂	l ₃
SKG.7.01	136	396	346
SKG.7.02	178	438	388
SKG.7.03	220	480	430
SKG.7.04	262	522	472
SKG.7.05	304	564	514
SKG.7.06	346	606	556
SKG.7.07	388	648	598
SKG.7.08	430	690	610

Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	D	F
60.52.01.1	966	400	390	212	288	210	560	252	176	14
60.53.01.1	1077	400	470	212	322	210	685	286	176	14
60.54.01.1	1126	520	420	212	188	240	720	252	176	14
60.55.01.1	1258	540	415	212	362	240	820	326	176	14
60.56.01.1	1286	600	400	212	322	250	820	286	176	14
60.57.01.1	1384	570	560	212	412	280	890	376	176	14
60.57.02.1	1384	570	560	212	412	280	890	376	176	14

SKG.8 CHARACTERISTICS



SKG.8 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
[kg]					[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
SKG.8.01	49	52	83	123	EZ1	112M4	4,0	400	60.52.01.1	68.40.15.1	390	288	872
SKG.8.01	49	53	84	139	EZ3	132S4	5,5	400	60.52.01.1	—	390	288	918
SKG.8.01	49	56	87	153	EZ3	132M4	7,5	400	60.52.01.1	—	390	288	958
SKG.8.02	56	60	91	146	EZ3	132S4	5,5	400	60.52.01.1	—	390	288	963
SKG.8.02	56	63	94	160	EZ3	132M4	7,5	400	60.52.01.1	—	390	288	1003
SKG.8.02	56	62	94	190	EZ3	160M4	11,0	400	60.53.01.1	68.40.19.1	390	322	1098
SKG.8.02	56	62	101	216	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	410	362	1143
SKG.8.03	63	70	100	166	EZ3	132M4	7,5	400	60.54.01.1	—	390	288	1053
SKG.8.03	63	69	108	204	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	410	288	1148
SKG.8.03	63	69	108	223	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	410	288	1193
SKG.8.03	63	69	108	251	EZ7	180M4	18,5	400	60.55.01.1	—	410	362	1236
SKG.8.04	70	77	107	173	EZ3	132M4	7,5	400	60.54.01.1	—	390	288	1103
SKG.8.04	70	76	115	211	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	410	362	1193
SKG.8.04	70	76	115	230	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	410	362	1238
SKG.8.04	70	76	115	258	EZ7	180M4	18,5	400	60.55.01.1	—	410	362	1281
SKG.8.04	70	79	118	283	EZ7	180L4	22,0	400	60.55.01.1	—	410	362	1321
SKG.8.05	81	87	126	222	EZ3	160M4	11,0	400	60.55.01.1	68.40.19.1	410	362	1243
SKG.8.05	81	87	126	241	EZ3	160L4	15,0	400	60.55.01.1	68.40.19.1	410	362	1288
SKG.8.05	81	87	126	269	EZ7	180M4	18,5	400	60.55.01.1	—	410	362	1331
SKG.8.05	81	90	129	294	EZ7	180L4	22,0	400	60.55.01.1	—	410	362	1371
SKG.8.05	81	90	149	399	EZ7	200L4	30,0	400	60.57.01.1	—	430	595	1436
SKG.8.06	88	94	136	232	EZ3	160M4	11,0	400	60.56.01.1	—	390	322	1293
SKG.8.06	88	94	136	251	EZ3	160L4	15,0	400	60.56.01.1	—	390	322	1337
SKG.8.06	88	94	153	296	EZ7	180M4	18,5	400	60.57.01.1	68.40.19.1	430	412	1381
SKG.8.06	88	97	156	321	EZ7	180L4	22,0	400	60.57.01.1	68.40.19.1	430	412	1421
SKG.8.06	88	97	156	406	EZ7	200L4	30,0	400	60.57.01.1	—	430	595	1486
SKG.8.07	95	101	186	252	„I”160	160M4	11,0	400	60.57.02.1	68.40.19.1	430	322	1338
SKG.8.07	95	101	186	272	„I”160	160L4	15,0	400	60.57.02.1	68.40.19.1	430	322	1382
SKG.8.07	95	101	186	303	„I”160	180M4	18,5	400	60.57.02.1	68.40.19.1	430	412	1408
SKG.8.07	95	104	189	354	„I”160	180L4	22,0	400	60.57.02.1	68.40.19.1	430	412	1448
SKG.8.08	102	108	193	259	„I”160	160M4	11,0	400	60.57.02.1	68.40.19.1	430	322	1387
SKG.8.08	102	108	193	279	„I”160	160L4	15,0	400	60.57.02.1	68.40.19.1	430	322	1431
SKG.8.08	102	108	193	310	„I”160	180M4	18,5	400	60.57.02.1	68.40.19.1	430	412	1457
SKG.8.08	102	111	196	361	„I”160	180L4	22,0	400	60.57.02.1	68.40.19.1	430	412	1497

Table of capacity and absorbed power on the shaft SKG.8

Pump marking	Capacity Q [m³/h]													
	16		18		20		22		25		28		30	
	Capacity Q [l/min]													
	267		300		333		366		417		467		500	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SKG.8.01	33	5,10	30	4,7	26	4,3	22	4,00	16	3,5	11	3,2	—	—
SKG.8.02	69	10,0	61	9,10	53	8,1	45	7,10	33	5,7	22	4,6	15	4,2
SKG.8.03	107	14,7	93	13,4	80	12,0	66	10,6	48	8,4	34	6,7	25	5,8
SKG.8.04	141	19,2	122	17,1	104	14,9	86	13,0	63	10,5	42	8,3	30	7,3
SKG.8.05	179	23,8	155	21,3	133	19,0	111	16,6	80	13,1	53	10,5	36	9,0
SKG.8.06	215	28,5	187	25,4	160	22,5	135	19,6	97	15,6	63	12,3	42	10,5
SKG.8.07	252	33,2	218	29,6	188	26,2	157	22,8	113	18,1	75	14,2	49	12,1
SKG.8.08	289	37,9	249	33,8	215	29,9	180	26,0	130	20,6	86	16,1	56	13,7

Flange dimensions

Pump type dimension	f ₁	e	f	g	i
SKG.8.01	65	145	180	18	4
SKG.8.01÷8.08	65	145	185	18	8

Pump dimension

Pump type size	Pump											Shaft			
	b	b ₁	h	k	n	n ₁	o	s	i ₁	m	m ₁	l	d	t	u
SKG.8	200	150	160	160	65	50	16	14	82	216	108	60	28	31	8

Dimension	l ₁	l ₂	l ₃
SKG.8.01	160	392	160
SKG.8.02	209	441	209
SKG.8.03	258	490	258
SKG.8.04	307	539	307
SKG.8.05	356	588	356
SKG.8.06	405	637	405
SKG.8.07	454	685	454
SKG.8.08	503	735	503

Dimension	l ₁	l ₂	l ₃
SKG.8.01	160	422	190
SKG.8.02	209	471	239
SKG.8.03	258	520	288
SKG.8.04	307	569	337
SKG.8.05	356	618	386
SKG.8.06	405	667	435
SKG.8.07	454	715	484
SKG.8.08	503	715	533

Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	D	F
60.52.01.1	966	400	390	212	288	210	560	252	176	14
60.53.01.1	1077	400	470	212	322	210	685	286	176	14
60.54.01.1	1126	520	420	212	188	240	720	252	176	14
60.55.01.1	1258	540	415	212	362	240	820	326	176	14
60.56.01.1	1286	600	400	212	322	250	820	286	176	14
60.57.01.1	1384	570	560	212	412	280	890	376	176	14
60.57.02.1	1384	570	560	212	412	280	890	376	176	14

General information about SA./SB.80

S type pumps are composed of: bearing casing, shaft, suction and discharge casings in which shaft sealing is located. Impellers are mounted on the shaft. The quantity of impellers is dependent on quantity of pump's stages. Impellers location is limited by members. From the side of suction casing are suction and discharge members alternately. Pumps in SB.80 execution differ constructionally from basic execution SA.80 because one ball bearing is applied on suction side, however on discharge side special inner slide bearing is used. Moreover, instead of cord seal, end-face seal is applied. Pump constructed in such way ensures high thickness.

Self-priming rotodynamic liquid-ring pumps with opened impeller SA.80 and SB.80 are designed for pumping liquids in the scope of the corrosion resistance of materials used for pump's construction and containing trace amounts of non-abrasive solid particles about size up to 0,5 mm. These pumps together with liquid can replenish air in the tank with use of an injector aeration valve. SB.80 pumps are adjusted to pumping of hydrocarbons in wide range, for example: fuel, heating oil, etc.

Pumps of SA, SB type can be used in water supply systems, households and industry.

Technical data

Capacity	12 ÷ 39 m ³ /h
Delivery head	to 100 m
Pumped liquid temperature	to 110°C
Liquid density	to 1300 kg/m ³
Liquid viscosity	to 150 mm ² /s
Weight	22,2 ÷ 47,0 kg
Motor power	0,25 ÷ 2,2 kW
Rotational speed	1450 r.p.m* (50 Hz) and 1800 r.p.m (60 Hz)
Rotation direction	clockwise looking on pumps from the drive side
Shaft seal	SA.80 – cord seal, SB.80 – mechanical end-face seal

* r.p.m – revolution per minute

Product marking structure



- aa** Classification group
- f** Product variety (variety A – with ball bearing on suction and discharge side
B – with ball bearing on suction side and slide bearing on discharge side)
- b** Pump type size
- cc** Pump type dimension (number of stages – 01 ÷ 03)
- d** Pump material execution according to the point *Material execution*
- ee₁e₂** Pump constructional execution according to the point *Constructional execution*
- h** Delivery completeness according to the point *Delivery completeness*
- iii** In-house marking of assembly with drive unit given by the manufacturer
- k** Product's cosmetics according to the point *Cosmetics (Protective coating)*

e – working temperature
 e = 1 – working temperature –30°C +70°C
 e = 2 – working temperature +70°C +110°C
 e₁ – kind of mechanical seal
 e₂ – reserve always marked with number "0"
 Special executions for all ee₁e₂ are marked with number "9"

Example of correct pump marking: **SA.80.02.2.1020.3.103.1**

Materials used in pump of SA.80/SB.80 type construction

Pumps of SKB.2 type are produced in six material executions

Pump's element	Material execution "d"			
	1	2	3	4
Casing	grey cast iron	tin bronze	grey cast iron	grey cast iron
Members	grey cast iron	chromium cast iron	grey cast iron	chromium cast iron
Impeller	tin bronze	tin bronze	cast carbon steel	tin bronze
Shaft	stainless steel	acid resistant steel	stainless steel	acid resistant steel
Shaft seal	soft cord seal* / mechanical end-face seal*			

* choice of seal material depends on pumped medium

Constructional execution used in pumps

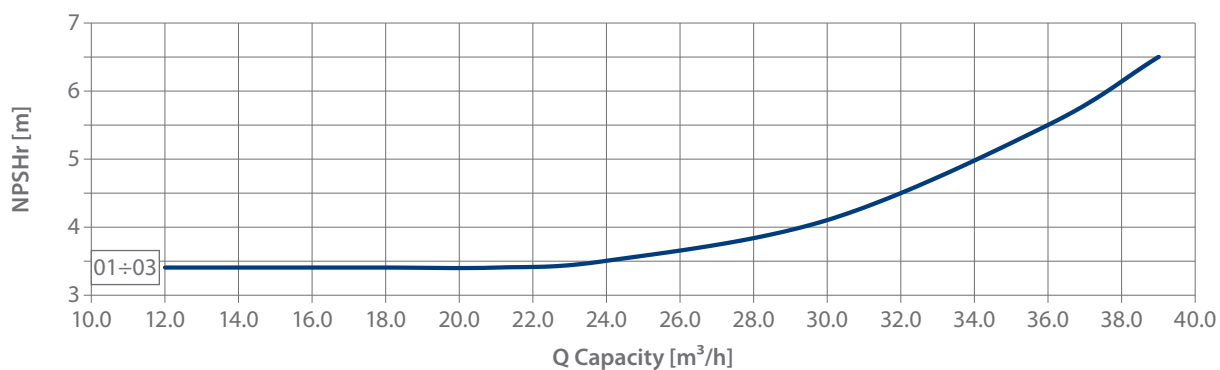
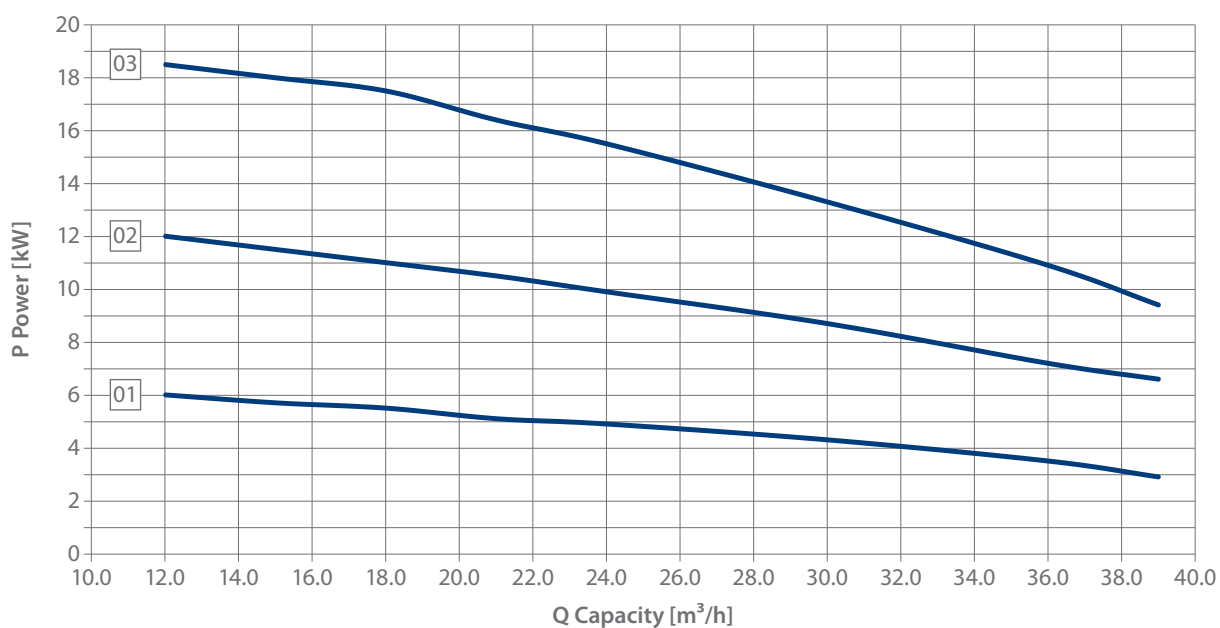
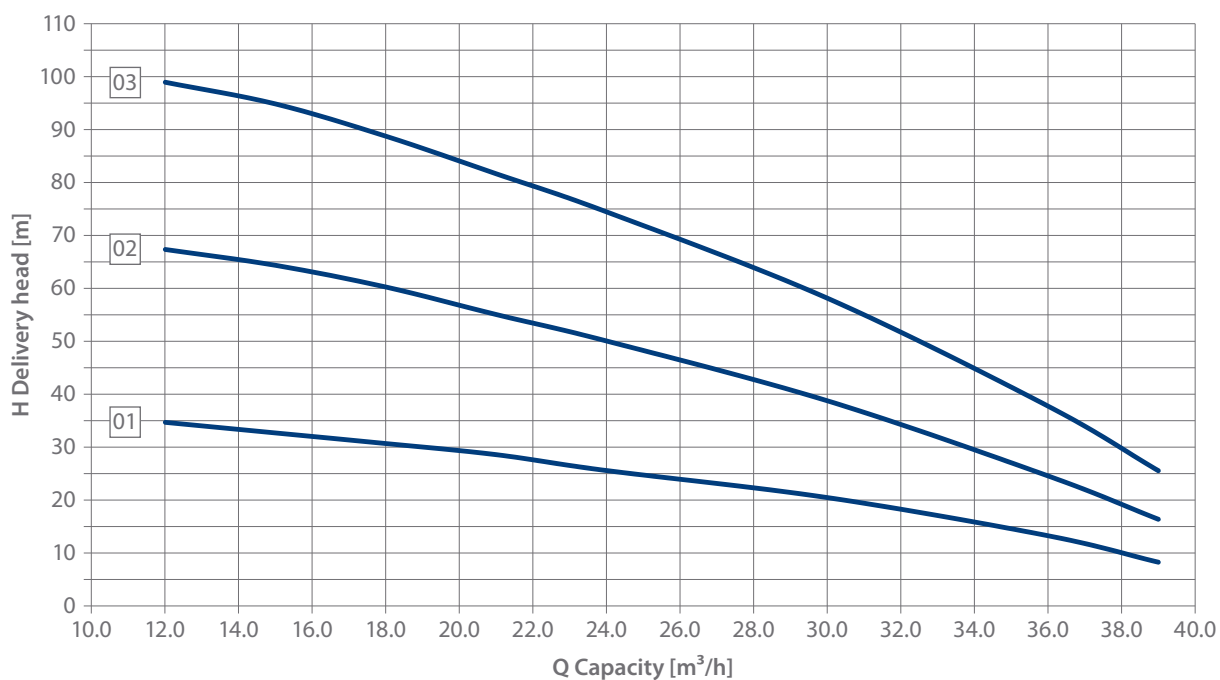
Constructional executions used in SA and SB pumps

No. of constructional execution				Name of constructional execution		S pumps	
e	e ₁	e ₁	e ₂			SA	SB
1020				Pump with end-face cord seal for liquids of temperature $-30^{\circ}\text{C} \div +70^{\circ}\text{C}$		×	
2020				Pump with end-face cord seal for liquids of temperature $+70^{\circ}\text{C} \div +110^{\circ}\text{C}$		×	
1050				Pump with end-face cord seal with circulation pipe for liquids of temperature $-30^{\circ}\text{C} \div +70^{\circ}\text{C}$		×	
1110				Pump with single end-face seal of V type and installation for liquids of temperature $-30^{\circ}\text{C} \div +110^{\circ}\text{C}$			×

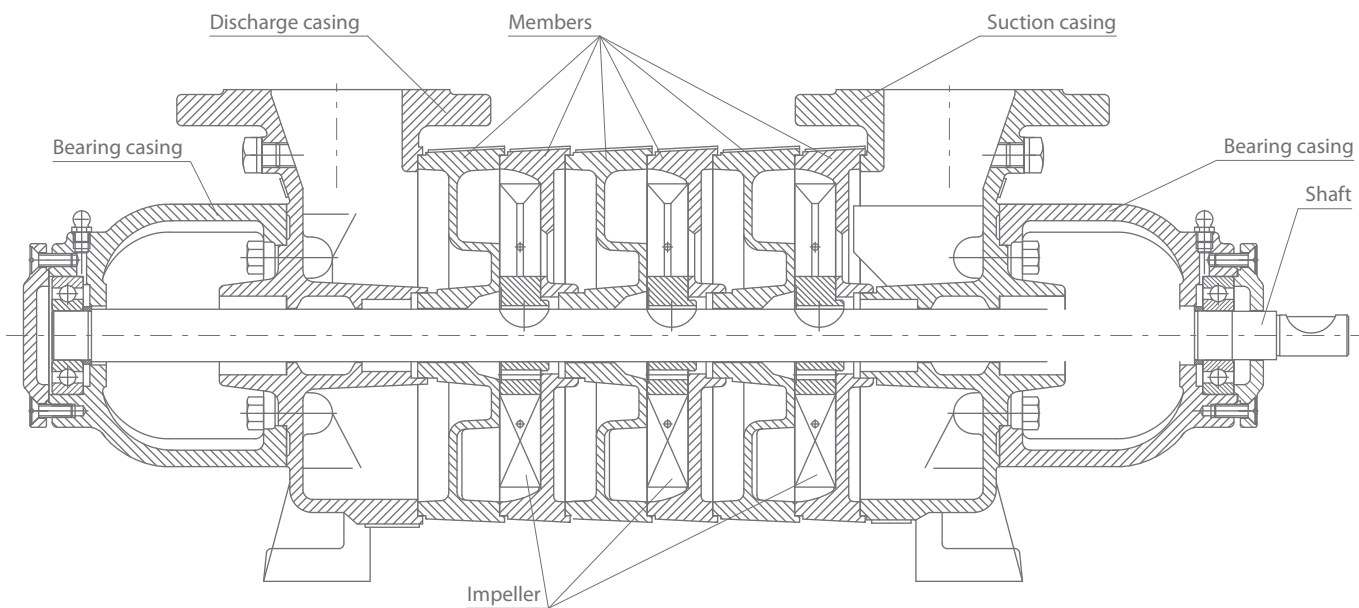
Delivery completeness

No of completeness	
1	pump with free shaft's end
2	pump with coupling
3	pump with coupling and foundation plate
5	completeness 3 plus electric motor

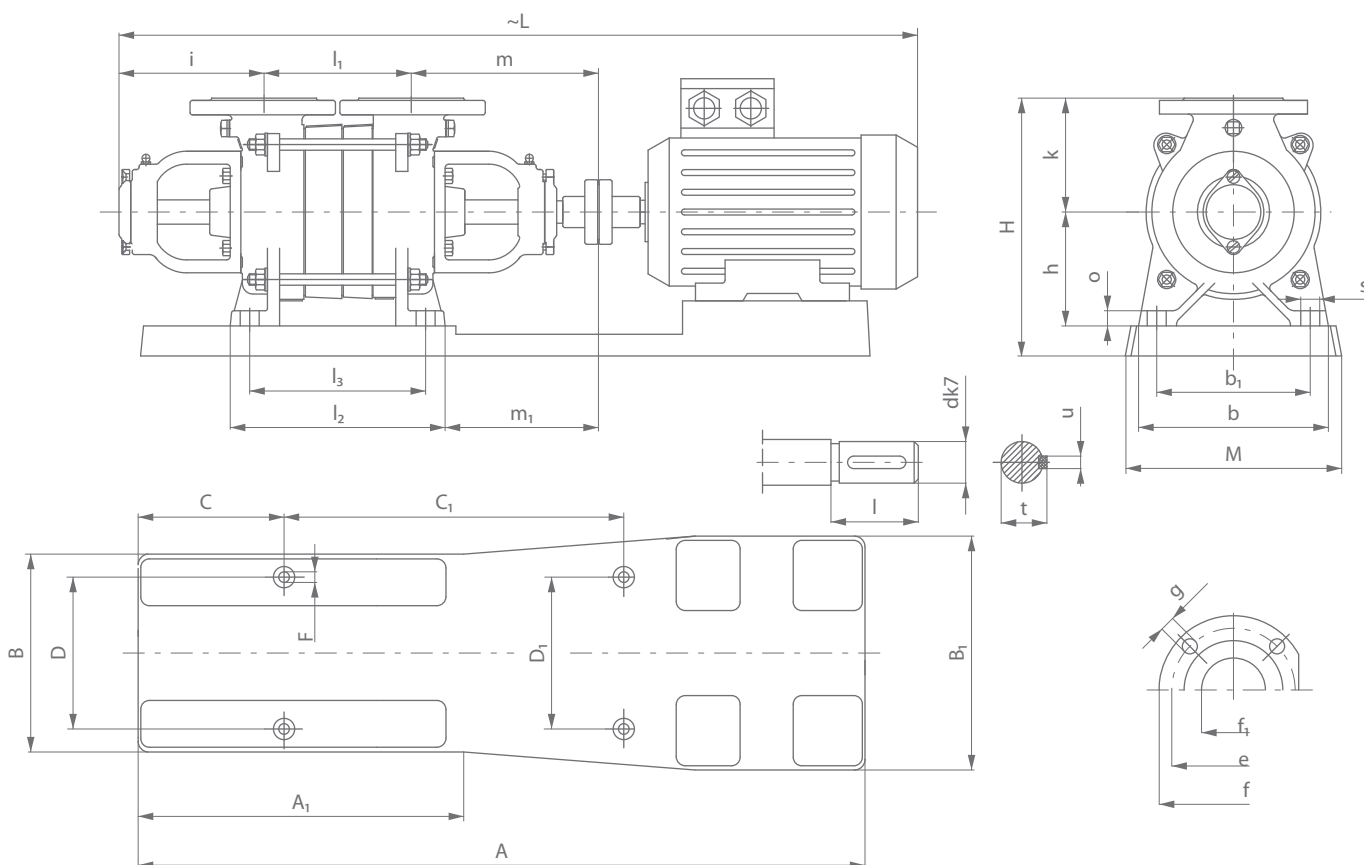
SA.80/SB.80 CHARACTERISTICS



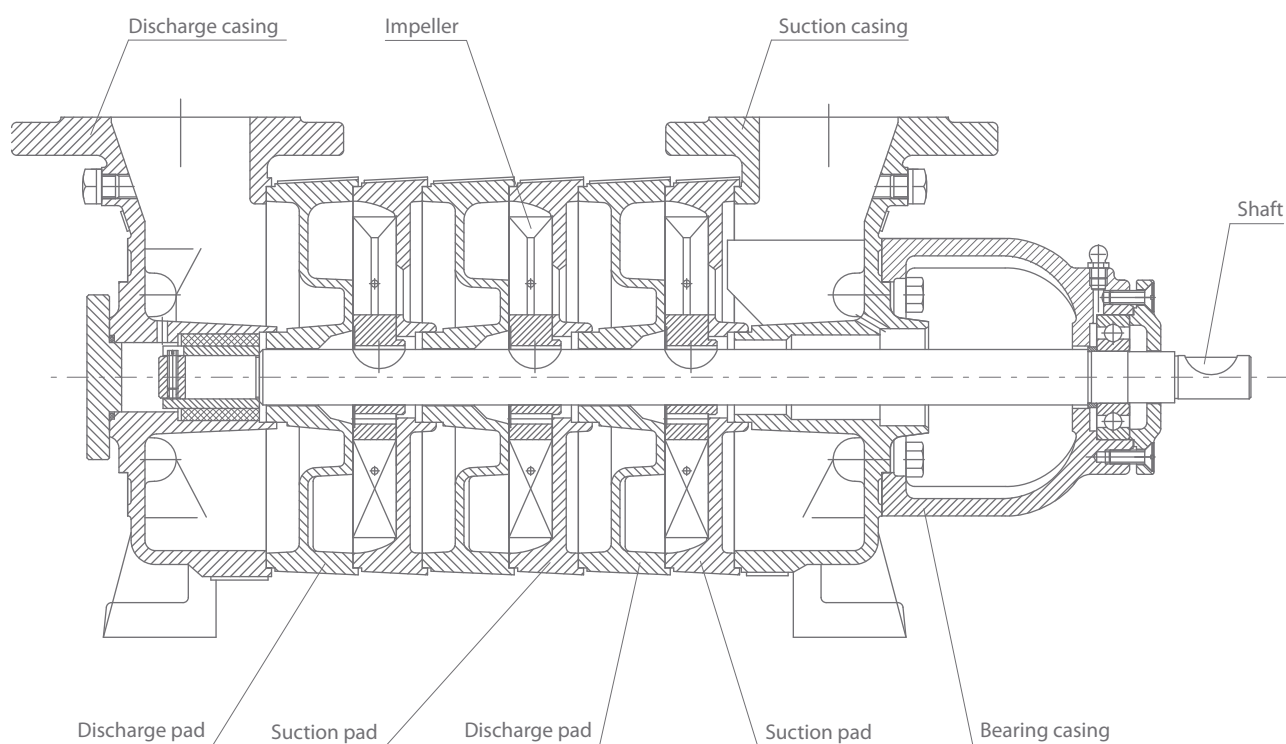
SA.80 pump section



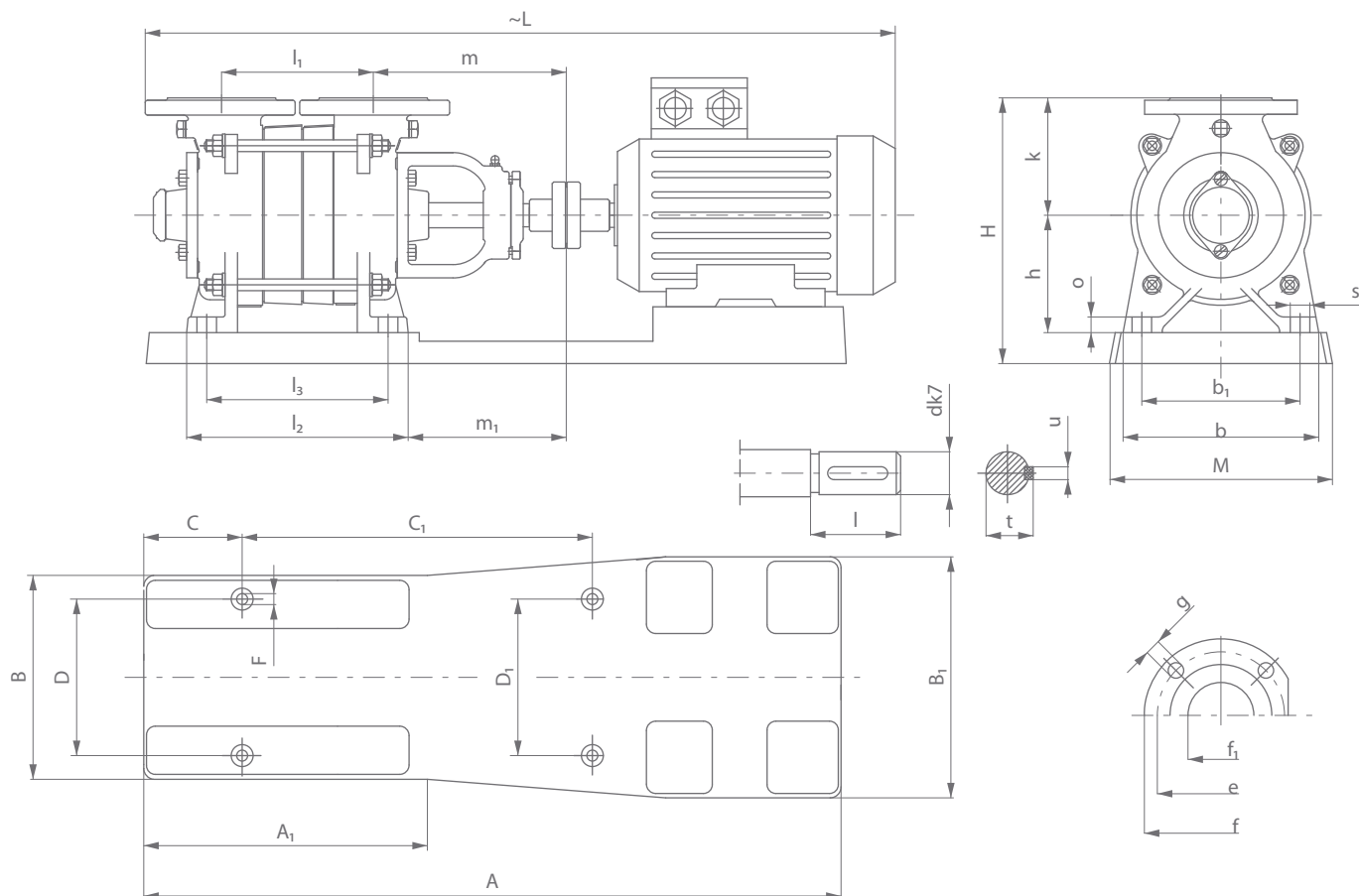
SA.80 overall dimensions drawing



SB.80 pump section



SB.80 overall dimensions drawing



SA.80/SB.80 PUMP SELECTION

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
	[kg]				[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
SA.80.01	65	69,3	99,3	167	EZ3	132S4	5,5	400	60.29.02.1	—	371	300	1064
SA.80.01	65	74,0	104,0	185	EZ3	132M4	7,5	400	60.29.02.1	—	371	300	1102
SA.80.02	78	89,3	133,3	228	EZ3	160M4	11,0	400	60.31.02.1	—	399	348	1391
SA.80.02	78	89,3	133,3	246	EZ3	160L4	15,0	400	60.31.05.1	—	399	348	1435
SA.80.02	91	102,3	145,3	259	EZ3	160L4	15,0	400	60.17.02.1	—	450	540	1525
SA.80.03	91	102,3	202,3	350	EZ3	180M4	18,5	400	60.06.02.1	—	445	523	1566
SA.80.03	91	102,3	188,3	353	EZ7	180L4	22,0	400	60.06.02.1	—	445	523	1584

Completeness	1	2	3	5	Coupling	Motor			Foundation plate		Overall dimensions		
	Pump weight					mechanical size	power	voltage	plate	block	H	M	~L
Pump marking	with free shaft end	with coupling	with coupling and foundation plate	with coupling, foundation plate and motor									
	[kg]				[type]	—	[kW]	[V]	[number]		[mm]		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
SB.80.01	60	64,3	94,3	165	EZ3	132S4	5,5	400	60.29.02.1	—	371	300	959
SB.80.01	60	69,0	99,0	180	EZ3	132M4	7,5	400	60.29.02.1	—	371	300	997
SB.80.02	73	84,3	128,3	223	EZ3	160M4	11,0	400	60.31.02.1	—	399	348	1286
SB.80.02	73	84,3	128,3	241	EZ3	160L4	15,0	400	60.31.05.1	—	399	348	1330
SB.80.02	86	107,3	140,3	254	EZ3	160L4	15,0	400	60.17.02.1	—	450	540	1420
SB.80.03	86	107,3	207,3	345	EZ3	180M4	18,5	400	60.06.02.1	—	445	523	1461
SB.80.03	86	107,3	183,3	348	EZ7	180L4	22,0	400	60.06.02.1	—	445	523	1479

Table of capacity and absorbed power on the shaft SA/SB.80

Pump marking	Capacity Q [m³/h]															
	12		15		18		21		24		30		36		39	
	Capacity Q [l/min]															
	200		250		300		350		400		500		600		650	
	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]	H [m]	P [kW]
SA/SB.80.01	34,6	6,00	32,6	5,7	30,6	5,50	28,5	5,10	25,5	4,90	20,4	4,30	13,2	3,50	8,2	2,90
SA/SB.80.02	67,3	12,0	64,3	11,5	60,2	11,0	55,0	10,5	50,0	9,90	38,7	8,70	24,5	7,20	16,3	6,60
SA/SB.80.03	98,9	18,5	94,8	18,0	88,7	17,5	81,6	16,4	74,4	15,5	58,1	13,3	37,7	10,9	25,5	9,40

Flange dimensions

Pump type dimension	f ₁	e	f	g	i
SA/SB.80	80	160	195	18	4

i – quantity of holes

Pump dimension

Pump type size	Pump									Shaft			
	b	b ₁	h	k	o	s	i ₁	m	m ₁	l	d	t	u
SA.80	250	200	150	150	20	14	210	260	205	44	25	15	8

Pump type size	Pump								Shaft			
	b	b ₁	h	k	o	s	m	m ₁	l	d	t	u
SB.80	250	200	150	150	20	14	260	205	44	25	15	8

Dimension	l ₁	l ₂	l ₃
SA/SB.80.01	193	283	227
SA/SB.80.02	283	373	317
SA/SB.80.03	373	436	407

Foundation plate dimensions

No. of plate	A	A ₁	A ₂	B	B ₁	C	C ₁	D ₁	D	F
60.06.02.1	1395	785	470	378	523	150	1015	330	475	14
60.17.02.1	1215	500	505	440	540	250	745	385	485	14
60.29.02.1	900	464	240	275	300	180	440	210	210	14
60.31.02.1	1146	494	315	280	348	220	560	210	270	14
60.31.05.1	1146	494	315	280	348	220	560	210	270	14



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