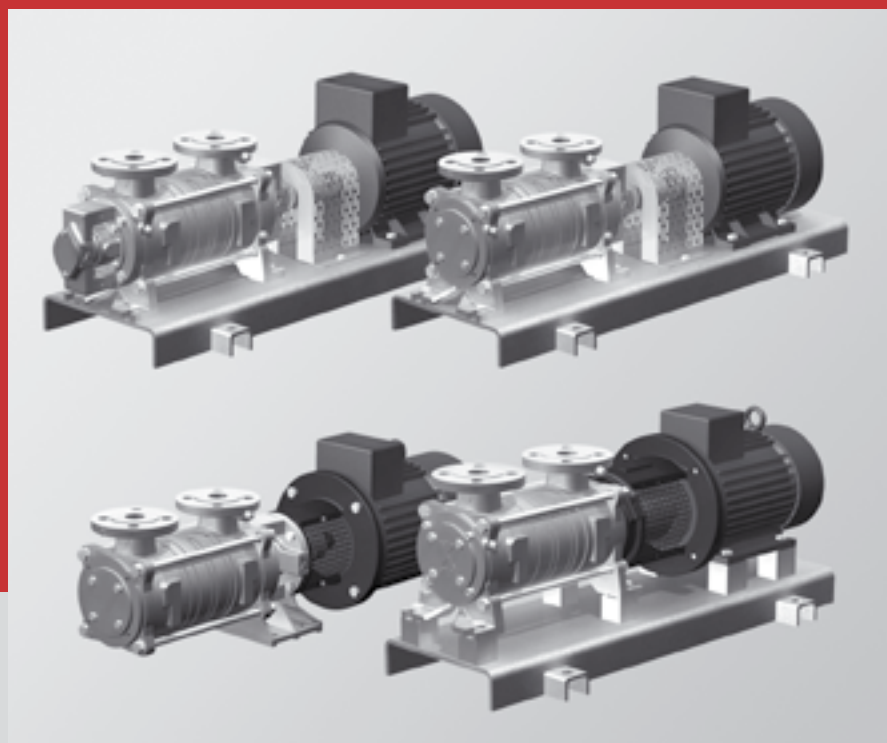




SK and SK-MK series
Side channel pumps in modular design

With mechanical seal or magnetic coupling
self-priming, delivering gas

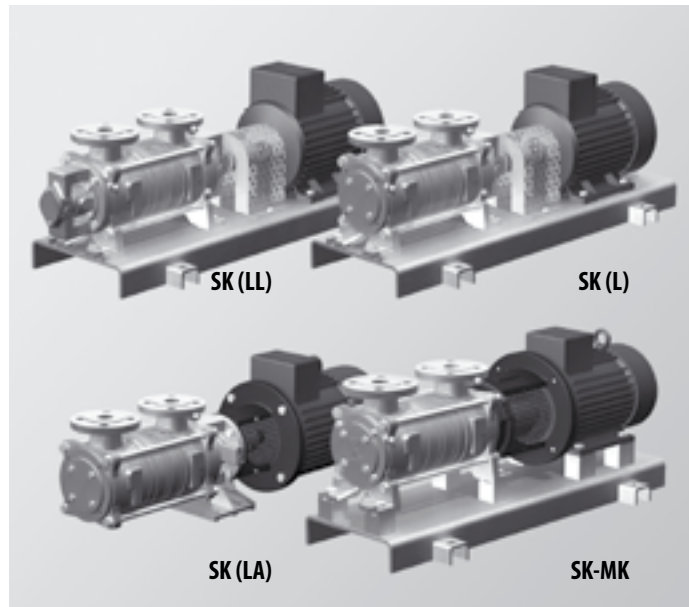


ברלין טכנולוגיות בע"מ
שדרות גן רווה 13, יבנה, 8122214
<http://www.berlintech.co.il/>
mail@berlintech.co.il
טלפון: 073-7597171
פקס: 08-6638120

SK and SK-MK series

Side channel pumps in modular design

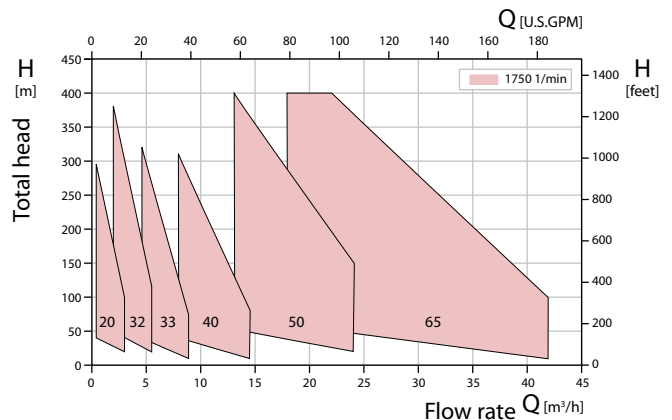
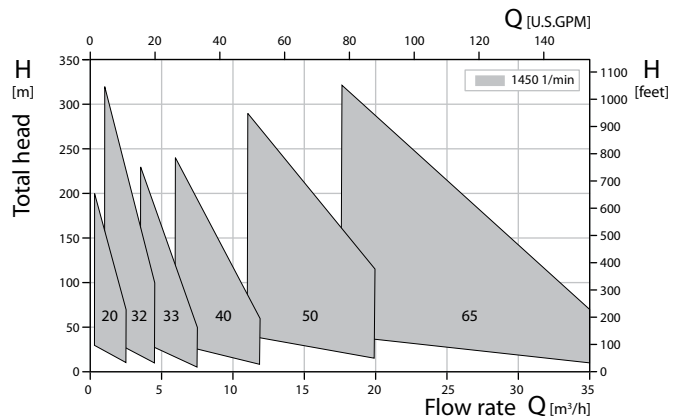
With mechanical seal or magnetic coupling
self-priming, delivering gas



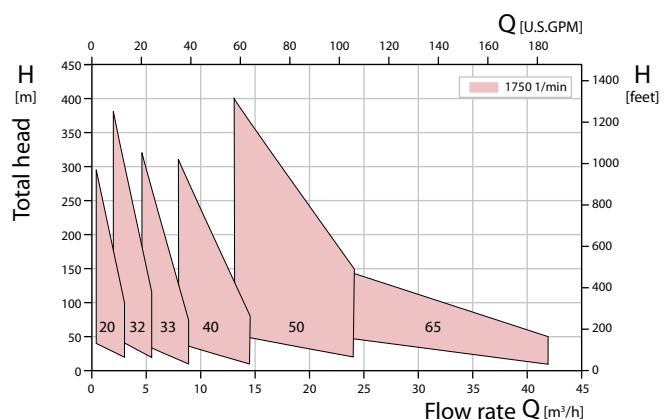
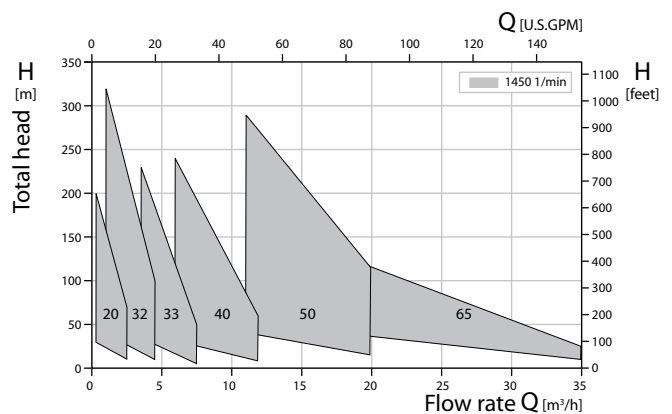
Index

SK and SK-MK series	2
SK Characteristic curves.....	2
SK-MK Characteristic curves.....	2
Usage	3
Main applications.....	3
Operating data	3
Design details	3
Tests.....	3
SK-LL / L / LA Type code	4
SK-MK Type code	5
SK-20 Characteristic curves.....	6
SK-32 Characteristic curves.....	7
SK-33 Characteristic curves.....	8
SK-40 Characteristic curves.....	9
SK-50 Characteristic curves.....	10
SK-65 Characteristic curves.....	11
SK - LL Sectional drawing and parts list	12
SK - L Sectional drawing and parts list.....	13
SK - LA Sectional drawing and parts list.....	14
SK - MK Sectional drawing and parts list	15
SK-20 - LL / L Aggregate dimensions.....	16
SK-32 - LL / L Aggregate dimensions.....	17
SK-33 - LL / L Aggregate dimensions.....	18
SK-40 - LL / L Aggregate dimensions.....	19
SK-50 - LL / L Aggregate dimensions.....	20
SK-65 - LL / L Aggregate dimensions.....	21
SK-20 / 32 / 33 - LA Aggregate dimensions.....	22
SK-40 / 50 / 65 - LA Aggregate dimensions.....	23
SK-20 - MK Aggregate dimensions.....	24
SK-32 - MK Aggregate dimensions.....	25
SK-33 - MK Aggregate dimensions.....	26
SK-40 - MK Aggregate dimensions.....	27
SK-50 - MK Aggregate dimensions.....	28
SK-65 - MK Aggregate dimensions.....	29

SK Characteristic curves



SK-MK Characteristic curves



Usage

Pumps of the SK and SK-MK series are designed for the delivery and recirculation of liquids at difficult conditions. They are suitable for liquids without abrasive contaminations and without solids content.

For example:

- Boiler feed water
- Condensates
- Distillates
- Liquid gas
- Coolants
- Solvents

Main applications

The pumps are mainly used in the following sectors:

- Basic process engineering
- Chemical industry
- Food, beverages and tobacco industry
- Instrument engineering
- Shipping

Operating data

Standard conditions at site

- Relative humidity during continuous operation up to 55%
- Ambient temperature - 20 °C to + 40 °C
- Permissible altitude up to 1000 m above sea level

Deviations from the site conditions specified herein must already be disclosed in the inquiry.

Operating range

The operating range applicable to the SK and SK-MK series is indicated in the individual characteristic curves.

Pressure and temperature limitations

Pressure and temperature limitations are not subject to any special regulations and standards.

Nominal pressure: PN 40 (580 psi)
Maximum temperature: 120 °C.
Temperatures above 120 °C on request.

The final pump pressure is calculated by adding supply pressure and delivery pressure at minimum delivery rate.

Design details

Pumps of the SK series are horizontal, multi-stage, single-entry centrifugal pumps in modular design with radial inlet and radial outlet.

Main dimensions are in acc. with EN 734 standard.

Versions

	SK (LL)	SK (L)	SK (LA)	SK-MK
Deep groove ball bearing, lifetime lubricated in acc. with DIN 625	2	1	1	–
Plain bearing, liquid-rinsed, carbon	–	1	1	–
Plain bearing, liquid-rinsed, SiC/SiC	–	–	–	1
Design	base plate		bracket	base plate
Casing seal	mechanical seal			magnetic coupling
Rotation direction view from drive	clockwise			counter-clockwise
Stages	1 – 8	1 – 3	1 – 3	1 – 8 SK-65: 1 – 3

Shaft sealing

Pumps of the SK series are equipped with mechanical seal in acc. with EN 12756 standard (DIN 24960).

Materials

Refer to table 3 and 5, page 4 and 5.

Tests

If required, test certificates in acc. with DIN 55350-18 can be provided for the individual tests, which, however, has to be indicated in the order.

Material tests

The exact scope of the tests (which tests for which parts) as well as the type of certificate (certificate of compliance with the order, factory certificate, inspection certificate) must be specified in the order.

Non-specific material tests do not have any impact on the delivery time of the pump.

If specific material tests are required, the delivery time of the pump depends on the availability of raw materials and will be checked on a case-to-case basis. Test certificates for specific material tests cannot be provided after the raw materials and/or semi-finished goods have been negotiated.

Hydrostatic pressure test

The pumps are subject to a pressure test, which corresponds to 1.5 times the permissible pump pressure. Test at 20 °C, holding time 10 min.

SK-LL / L / LA Type code

Example		SK - 32	03 -	LL -	12 -	11 -	000
		SK - 32	03 -	L -	12 -	11 -	000
		SK - 32	03 -	LA -	12 -	11 -	000
Pump type	_____						
Pump size	_____						
Number of stages	_____						
Shaft bearing	_____ (Table 1)						
Mechanical seal	_____ (Table 2)						
Material design	_____ (Table 3)						
Counting number	_____						

Table 1: Shaft bearing code

▼ Code	Stages (number)	Ball bearing (number)	Plain bearing (number)	Design
LL	1 – 8	2	–	base plate
L	1 – 3	1	1	base plate
LA	1 – 3	1	1	bracket

Table 2: Mechanical seal code

Properties ▶	unbalanced, uncooled	balanced, uncooled		balanced, cooled					
Maximum operating temperature ▶	140 °C	140 °C		140 °C – 180 °C					
Maximum operating pressure ▶	13 bar / 188 psi	30 bar / 435 psi	40 bar / 580 psi	30 bar / 435 psi	40 bar / 580psi	Elastomer	Counter ring	Sealing ring	◀ Component
Code number ▶	10	50	60	70	80	FFKM	SiC	Active carbon	◀ Material
	12	52	62	72	82	EPDM	SiC	Active carbon	
	13	53	63	73	83	FKM	SiC	Active carbon	
	17	–	–	–	–	FKM	SiC	SiC	

Table 2.1: Mechanical seal diameter

Pump size ▶	SK-20	SK-32 / SK-33	SK-40	SK-50	SK-65
Mechanical seal ø [mm] ▶	16	24	28	32	38

Table 3: Material design code

Code number ▶	11	12	30	32	40	50	60
▼ Component							
Suction casing	EN-GJL-250 Cast iron	EN-GJS-400-15 Spheroidal graphite cast iron	EN-GJL-250 Cast iron	EN-GJS-400-15 Spheroidal graphite cast iron	CuSn Bronze	EN-GJS-400-15 Spheroidal graphite cast iron	1.4581 CrNiMo-cast steel
Discharge casing							
Stage		EN-GJL-250 Cast iron		EN-GJL-250 Cast iron		CuSn Bronze	
Shaft seal housing	EN-GJS-400-15 Spheroidal graphite cast iron	EN-GJS-400-15 Spheroidal graphite cast iron	EN-GJS-400-15 Spheroidal graphite cast iron	EN-GJS-400-15 Spheroidal graphite cast iron		EN-GJS-400-15 Spheroidal graphite cast iron	1.4408 CrNiMo-cast steel
Impeller	CuSn Bronze	CuSn Bronze	1.4408 CrNiMo-cast steel	1.4408 CrNiMo-cast steel		CuSn Bronze	
Shaft	1.4122 CrMo-steel	1.4122 CrMo-steel	1.4122 CrMo-steel	1.4122 CrMo-steel	1.4571 CrNiMo-steel	1.4122 CrMo-steel	1.4571 CrNiMo-steel
Pump frame stage 1-5	EN-GJL-250 Cast iron	EN-GJL-250 Cast iron	EN-GJL-250 Cast iron	EN-GJL-250 Cast iron	EN-GJL-250 Cast iron	EN-GJL-250 Cast iron	EN-GJL-250 Cast iron
Pump frame stage 6-8	EN-GJS-400-15 Spheroidal graphite cast iron	EN-GJS-400-15 Spheroidal graphite cast iron	EN-GJS-400-15 Spheroidal graphite cast iron	EN-GJS-400-15 Spheroidal graphite cast iron	EN-GJS-400-15 Spheroidal graphite cast iron	EN-GJS-400-15 Spheroidal graphite cast iron	EN-GJS-400-15 Spheroidal graphite cast iron

EN-GJS-400-15 = EN-JS1030 = GGG-40

EN-GJL-250 = EN-JL1040 = GG-25 = FGL 250

SK-MK Type code

Example		SK - 32 03 - MK - 13 - 11 - 000									
Pump type											
Pump size											
Number of stages											
Magnetic coupling											
Magnetic coupling design											
Material design											
Counting number											

Table 4: Magnetic coupling design code

Code number ▶	01	02	03	04	11	12	13	21	22	23	31	32
▼ Properties Type ▶	75/10	75/20	75/30	75/40	110/2	110/4	110/6	135/4	135/6	135/8	165/8	165/10
Torque at 20 °C and 1450 1/min - rpm [Nm]	9	21	34	40	24	53	85	85	128	176	250	315
Power at 1450 1/min - rpm [kW]	0,9	2,1	3,4	4,0	2,4	5,3	8,6	8,6	13,0	17,8	25,2	31,8
	[HP]	1.2	2.8	4.6	5.4	3.2	7.1	11.5	11.5	17.4	23.9	33.8

Further sizes upon request

Table 5: Material design code

Code number ▶ ▼ Component	11	12	30	32	40	50	60
Suction casing	EN-GJL-250 Cast iron	EN-GJS-400-15 Spheroidal graphite cast iron	EN-GJL-250 Cast iron	EN-GJS-400-15 Spheroidal graphite cast iron	CuSn Bronze	EN-GJS-400-15 Spheroidal graphite cast iron	1.4581 CrNiMo-cast steel
Discharge casing		EN-GJL-250 Cast iron		EN-GJL-250 Cast iron		CuSn Bronze	
Stage							
Impeller	CuSn Bronze	CuSn Bronze	1.4408 CrNiMo-cast steel	1.4408 CrNiMo-cast steel			1.4408 CrNiMo-cast steel
Shaft	1.4122 CrMo-steel	1.4122 CrMo-steel	1.4122 CrMo-steel	1.4122 CrMo-steel	1.4571 CrNiMo-steel	1.4122 CrMo-steel	1.4571 CrNiMo-steel
Pump frame	1.4581 CrNiMo-cast steel	1.4581 CrNiMo-cast steel	1.4581 CrNiMo-cast steel	1.4581 CrNiMo-cast steel	1.4581 CrNiMo-cast steel	1.4581 CrNiMo-cast steel	1.4581 CrNiMo-cast steel

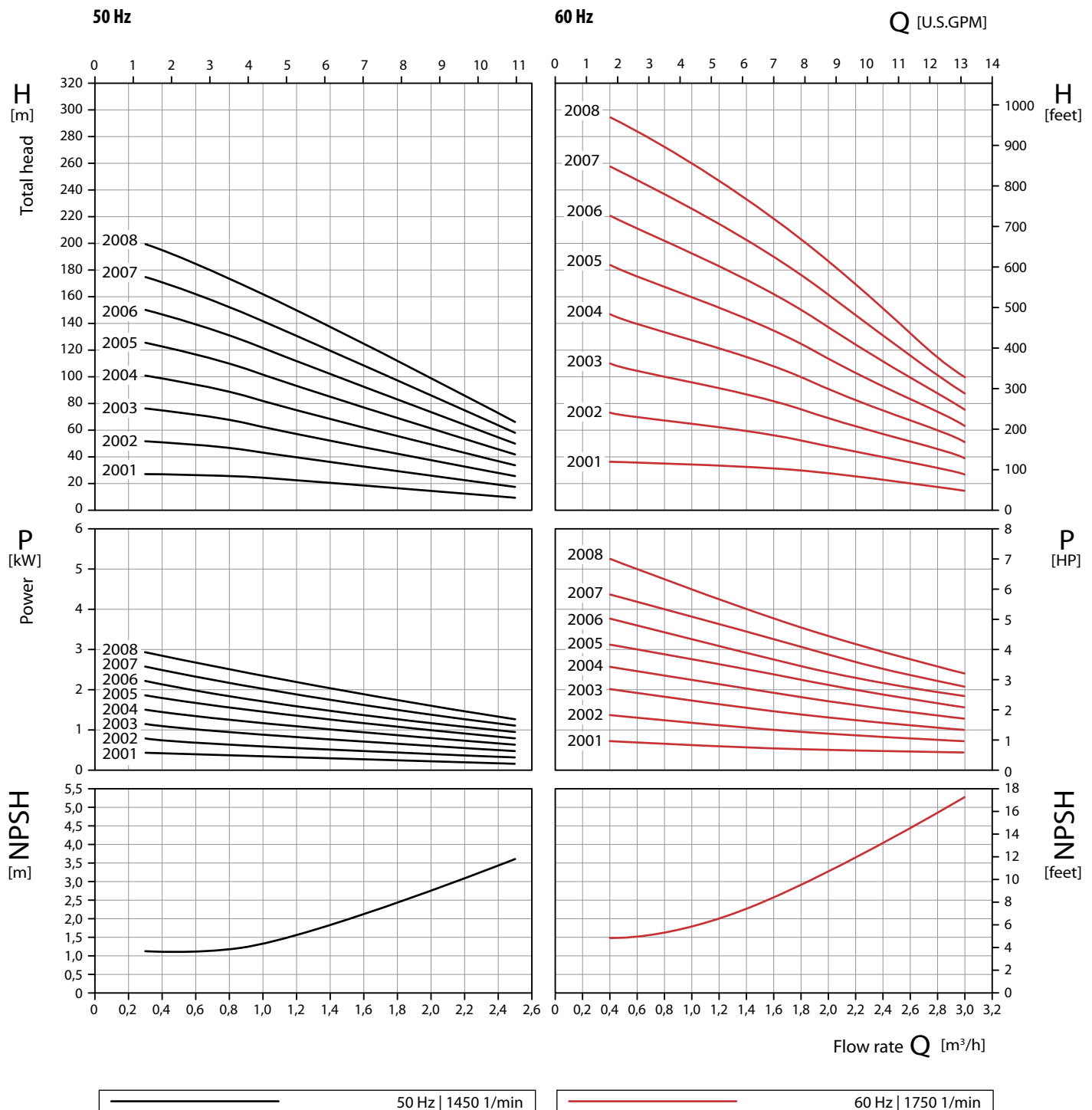
EN-GJS-400-15 = EN-JS1030 = GGG-40

EN-GJL-250 = EN-JL1040 = GG-25 = FGL 250

SK-20 / SK-20-MK

Side channel pumps with mechanical seal or magnetic coupling

SK-20 Characteristic curves



Test conditions

The characteristic curves apply to the delivery of water with a temperature of 20 °C at nominal speed.

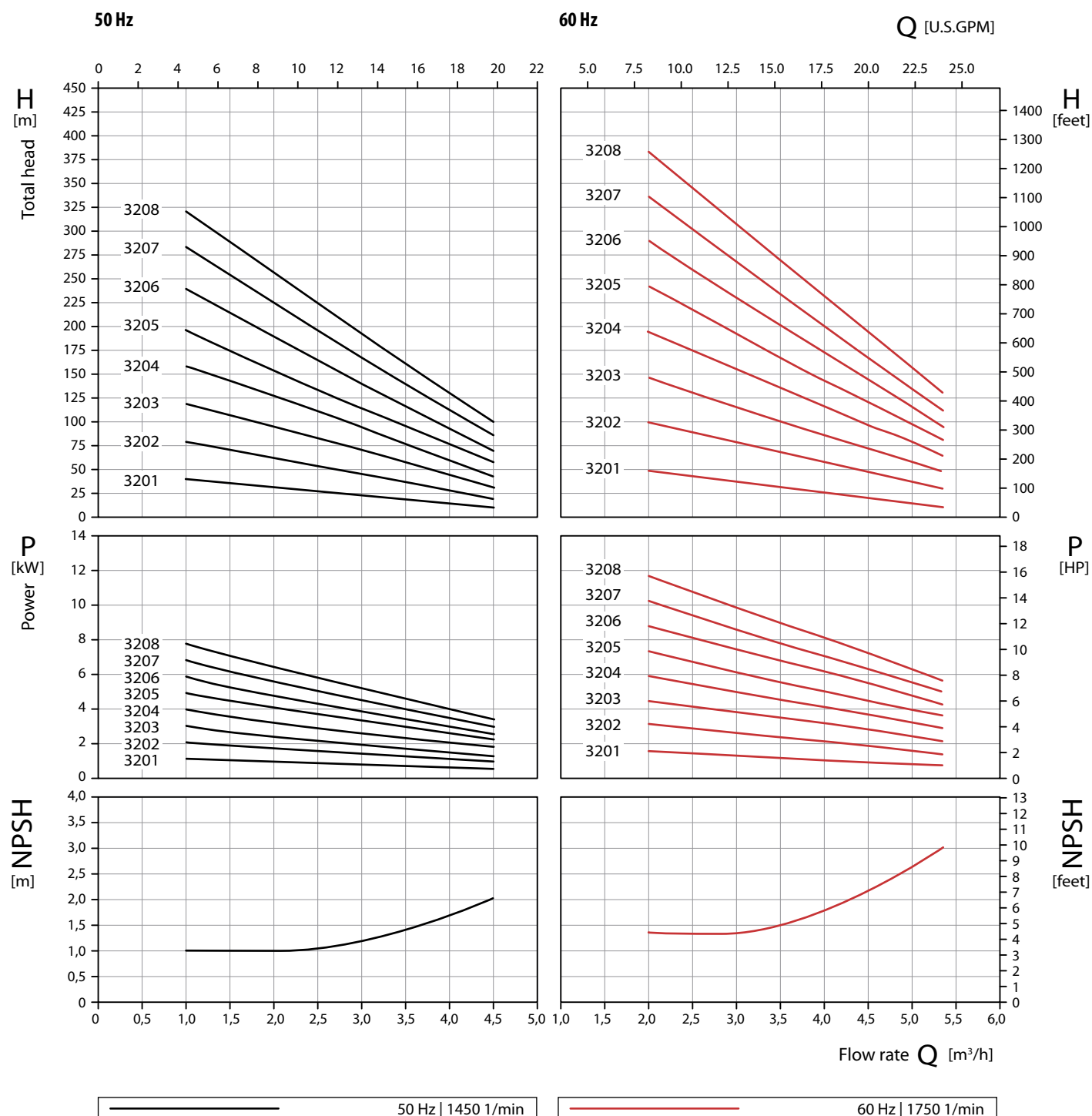
Tolerances:
flow rate $\pm 10\%$
total head $\pm 10\%$
power requirement $+ 10\%$

Deviating properties of the media to be pumped affect the characteristic curves.

Number of stages

Design	SK (LL)	SK (L)	SK (LA)	SK-MK
Number	1 – 8	1 – 3	1 – 3	1 – 8

SK-32 Characteristic curves



Test conditions

The characteristic curves apply to the delivery of water with a temperature of 20 °C at nominal speed.

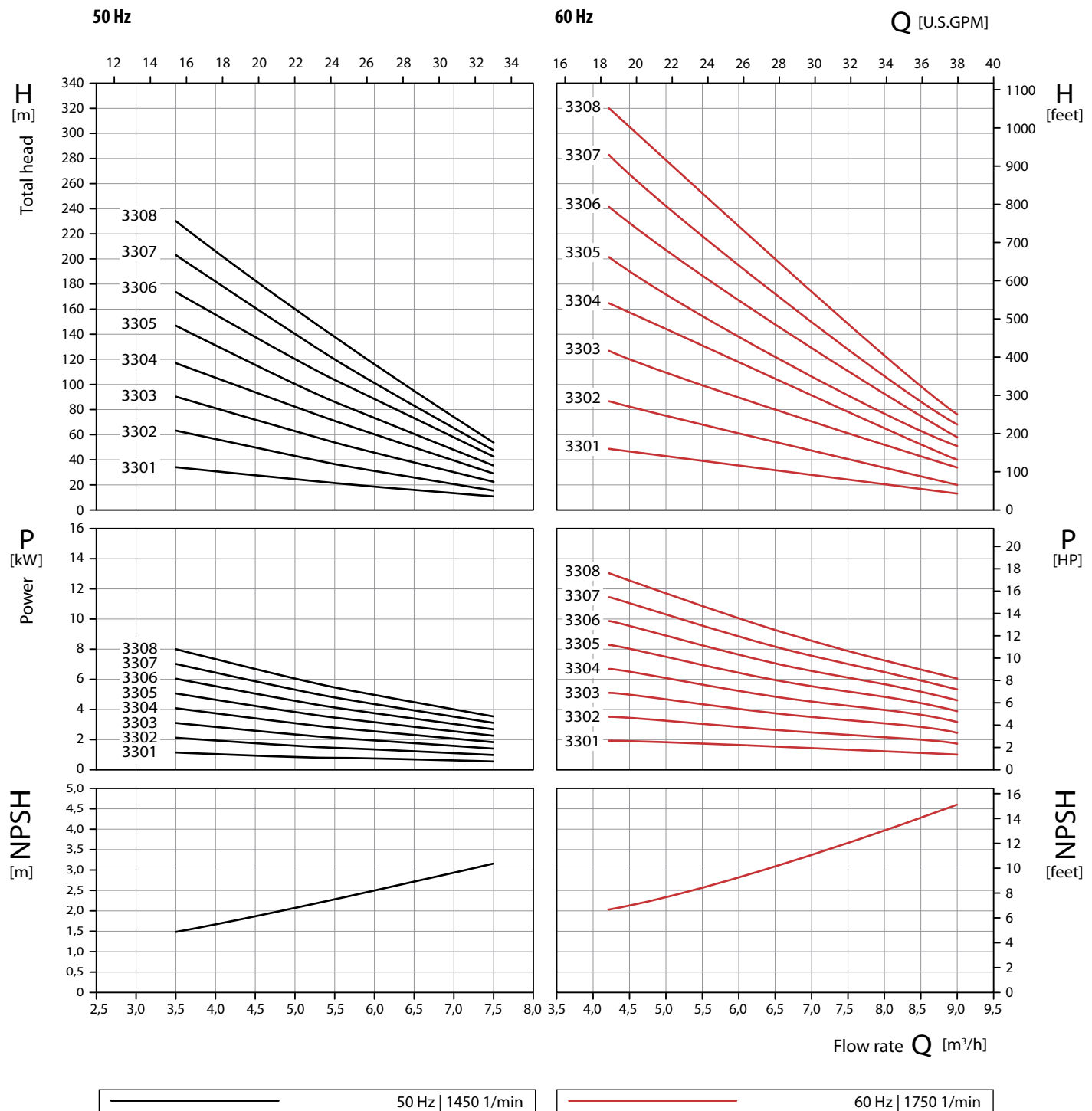
Tolerances:
flow rate $\pm 10\%$
total head $\pm 10\%$
power requirement $+ 10\%$

Deviating properties of the media to be pumped affect the characteristic curves.

Number of stages

Design	SK (LL)	SK (L)	SK (LA)	SK-MK
Number	1 – 8	1 – 3	1 – 3	1 – 8

SK-33 Characteristic curves



Test conditions

The characteristic curves apply to the delivery of water with a temperature of 20 °C at nominal speed.

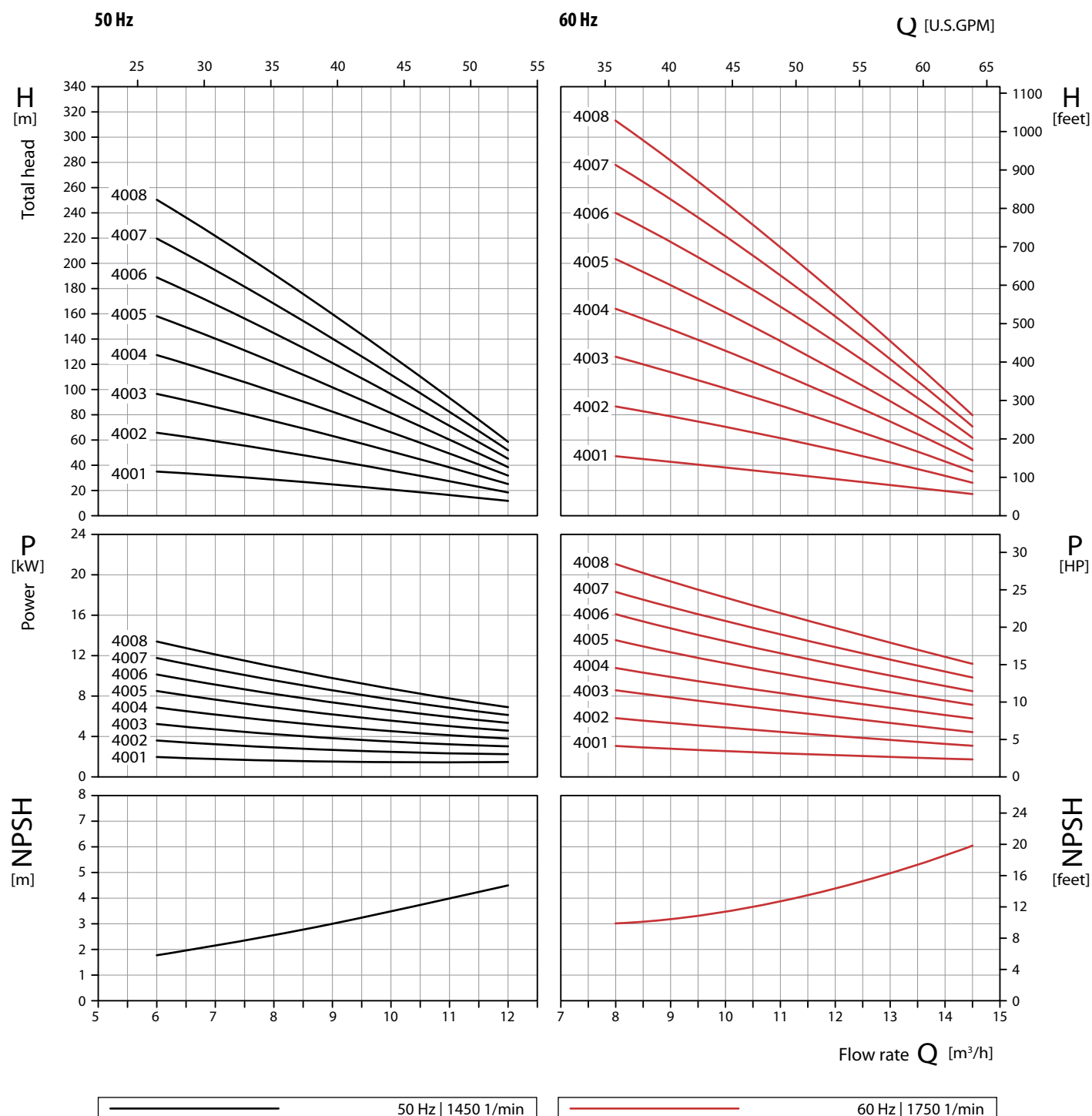
Tolerances:
flow rate $\pm 10\%$
total head $\pm 10\%$
power requirement $+ 10\%$

Deviating properties of the media to be pumped affect the characteristic curves.

Number of stages

Design	SK (LL)	SK (L)	SK (LA)	SK-MK
Number	1 – 8	1 – 3	1 – 3	1 – 8

SK-40 Characteristic curves



Test conditions

The characteristic curves apply to the delivery of water with a temperature of 20 °C at nominal speed.

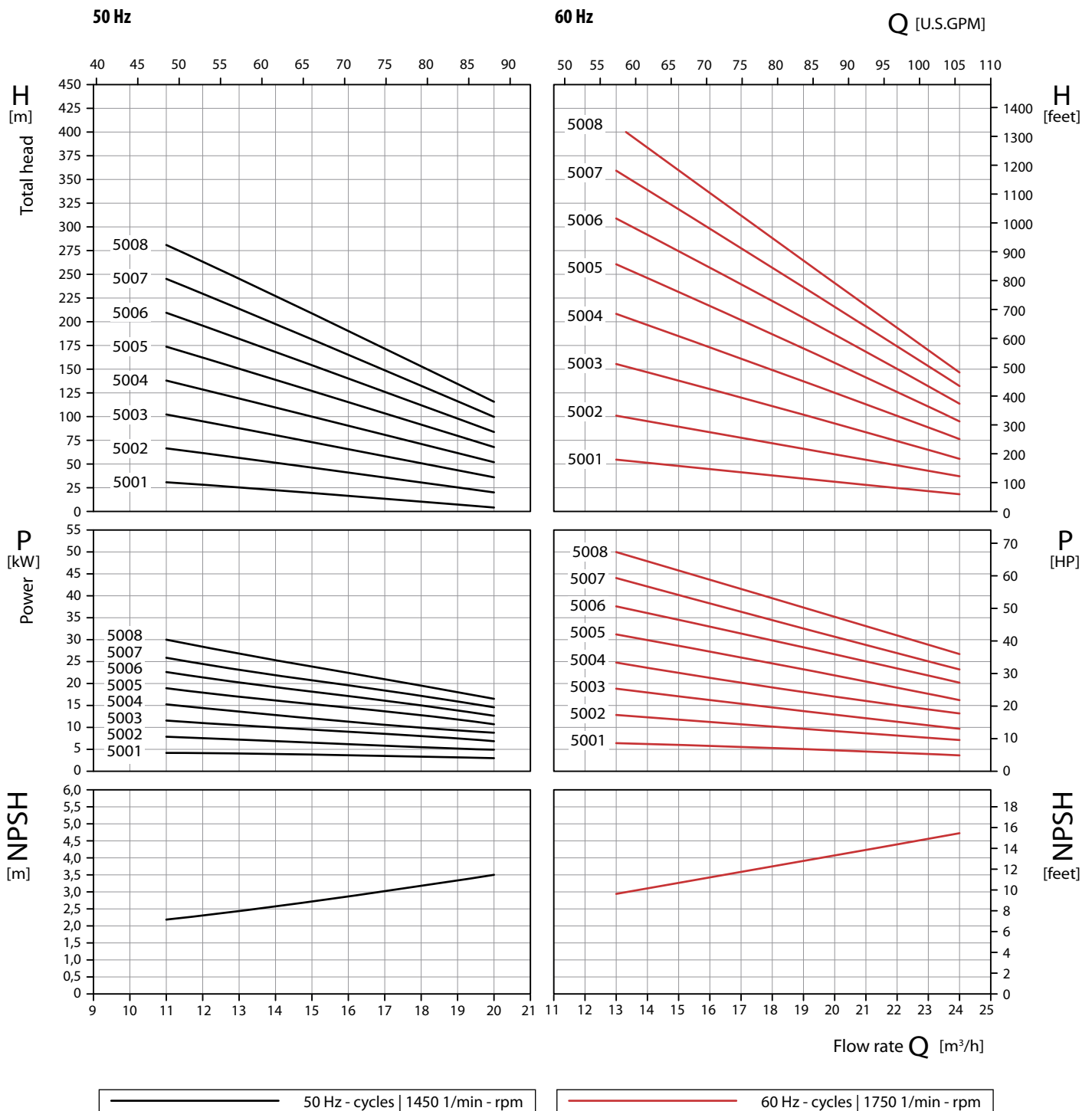
Tolerances:
 flow rate $\pm 10\%$
 total head $\pm 10\%$
 power requirement $+ 10\%$

Deviating properties of the media to be pumped affect the characteristic curves.

Number of stages

Design	SK (LL)	SK (L)	SK (LA)	SK-MK
Number	1 – 8	1 – 3	1 – 3	1 – 8

SK-50 Characteristic curves



Test conditions

The characteristic curves apply to the delivery of water with a temperature of 20 °C at nominal speed.

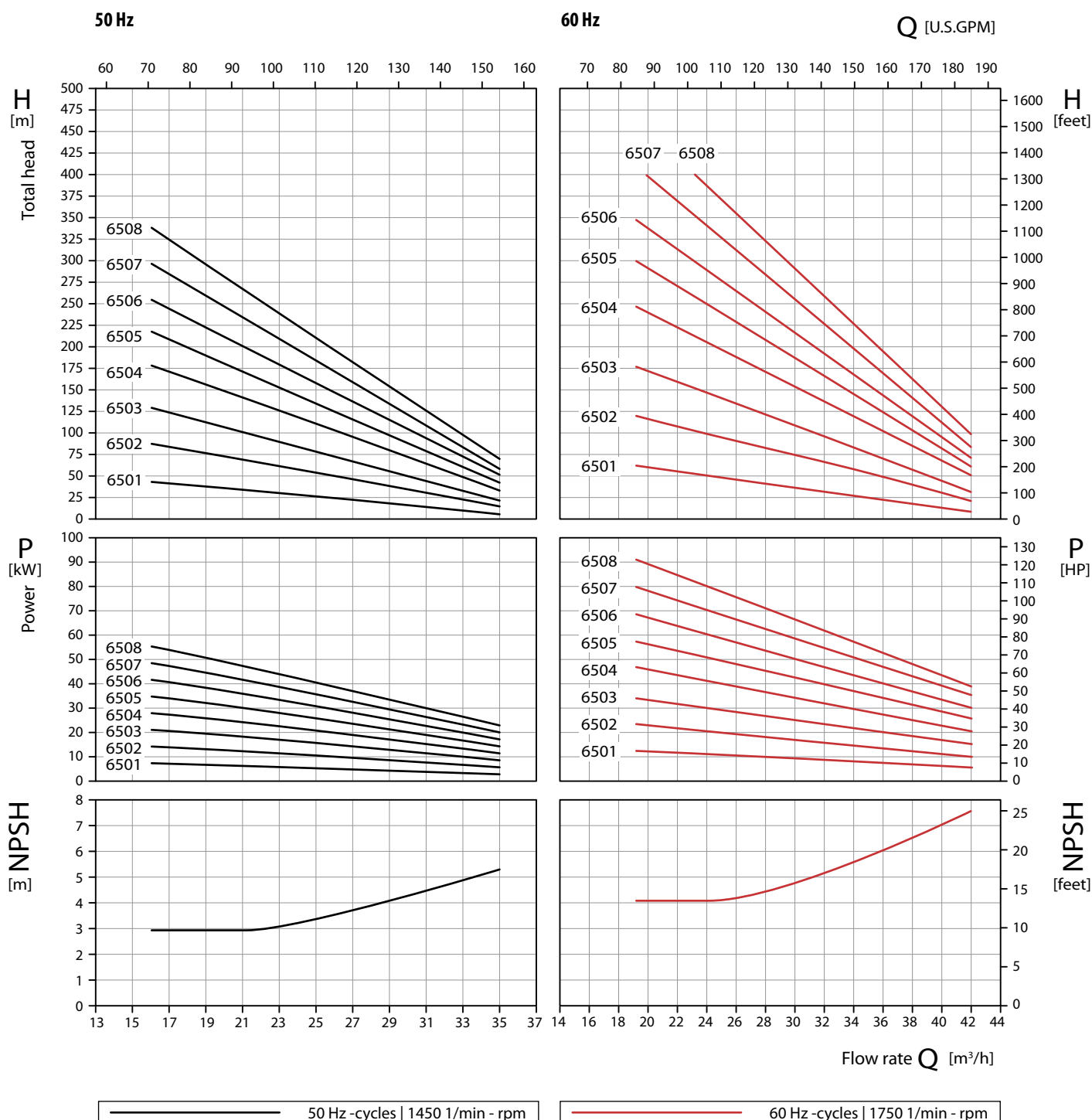
Tolerances:
flow rate $\pm 10\%$
total head $\pm 10\%$
power requirement $+ 10\%$

Deviating properties of the media to be pumped affect the characteristic curves.

Number of stages

Design	SK (LL)	SK (L)	SK (LA)	SK-MK
Number	1 – 8	1 – 3	1 – 3	1 – 8

SK-65 Characteristic curves



Test conditions

The characteristic curves apply to the delivery of water with a temperature of 20 °C at nominal speed.

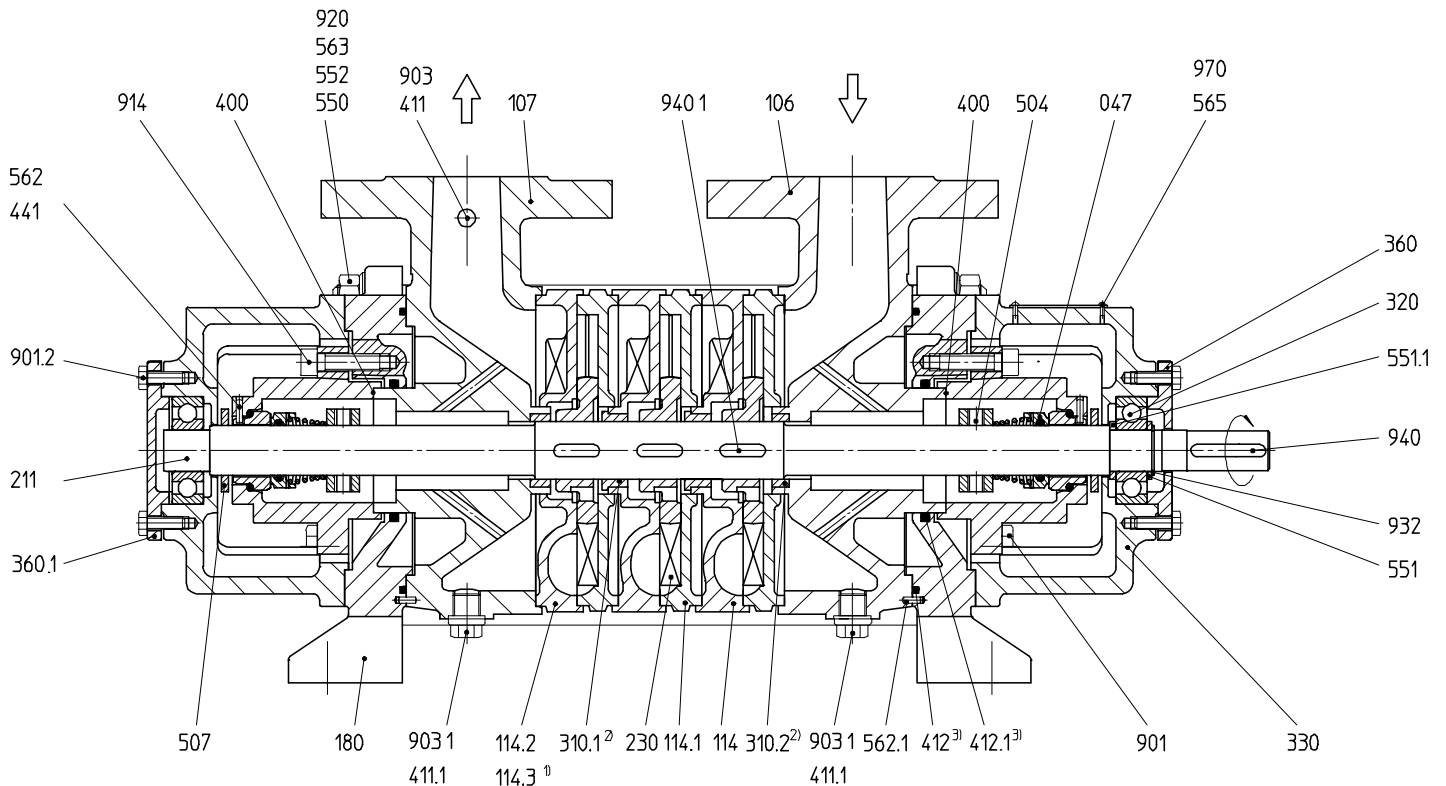
Tolerances:
flow rate $\pm 10\%$
total head $\pm 10\%$
power requirement $+ 10\%$

Deviating properties of the media to be pumped affect the characteristic curves.

Number of stages

Design	SK (LL)	SK (L)	SK (LA)	SK-MK
Number	1 – 8	1 – 3	1 – 3	1 – 3

SK - LL Sectional drawing and parts list



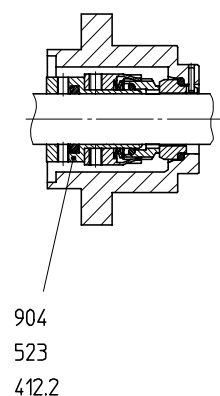
Version with unbalanced mechanical seal

047	Mechanical seal
106	Suction casing
107	Discharge casing
114	Discharge stage I
114.1	Suction stage
114.2	Discharge stage II
114.3	Blind stage
180	Pump frame
211	Shaft
230	Impeller
310.1/2	Sleeve bearing
320	Ball bearing
330	Bearing housing
360-1	Bearing cover
400	Flat gasket
411-1	Joint ring
412-1	O-ring
441	Shaft seal housing

504	Spacer ring
507	Splash ring
550	Disk
551-1	Spacer disk
552	Locking disk
562-1	Parallel pin
563	Casing bolt
565	Rivet
901.2	Hexagon head cap screw
903-1	Screwed plug
914	Hexagon socket head cap screw
920	Hexagon nut
932	Locking ring
940-1	Feather key
970	Name plate

Version with balanced mechanical seal

412.2	O-ring
523	Shaft sleeve
904	Set screw



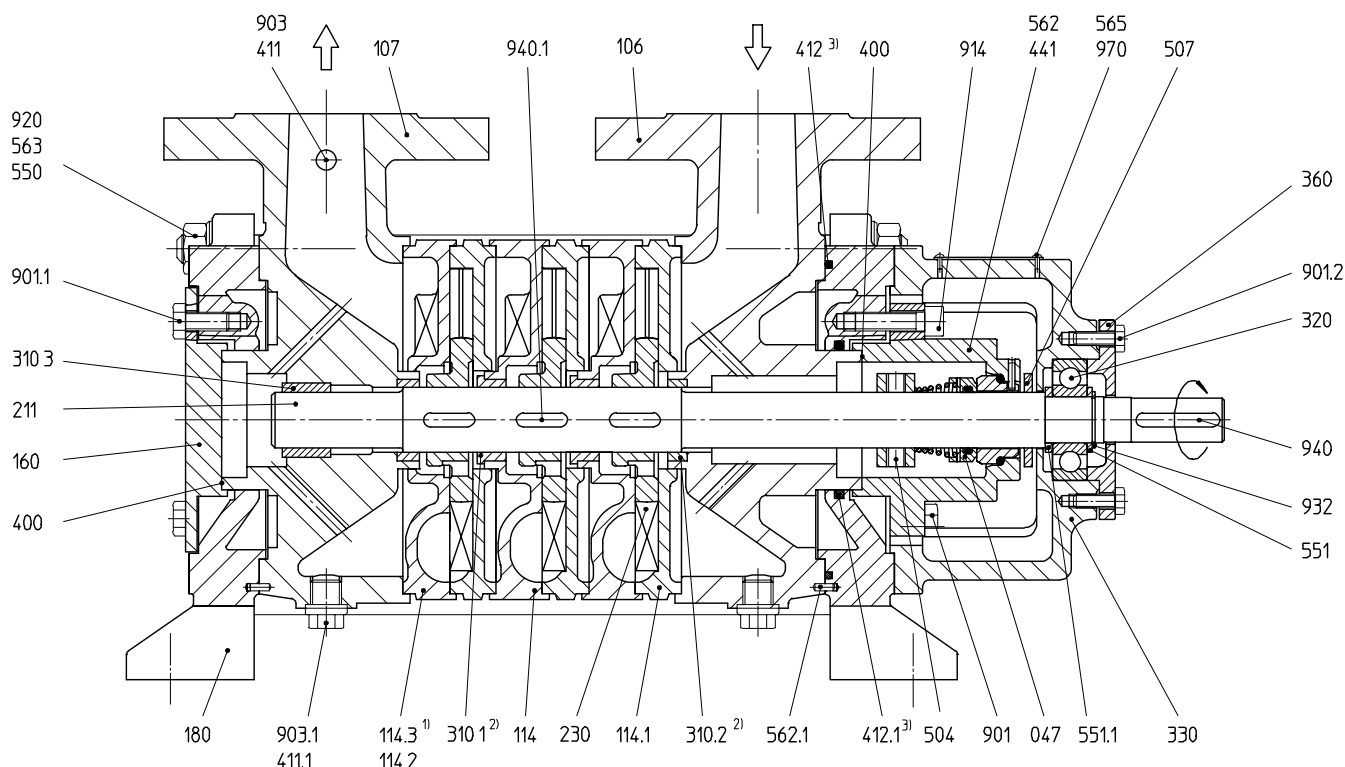
1) Blind stage (114.3) for
SK-2001,
SK-3201 and
SK-3301

2) **Cast iron version:**
discharge stages with sleeve bearing
(310.1)

Stainless steel version:
discharge stages with sleeve bearing
(310.1)
suction and discharge casing with sleeve
bearing (310.2)

3) O-ring (412, 412.1), for cooled version only

SK - L Sectional drawing and parts list



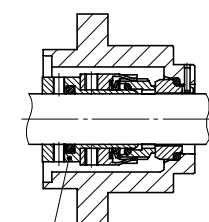
Version with unbalanced mechanical seal

047	Mechanical seal
106	Suction casing
107	Discharge casing
114	Discharge stage I
114.1	Suction stage
114.2	Discharge stage II
114.3	Blind stage
160	Cover
180	Pump frame
211	Shaft
230	Impeller
310.1-3	Sleeve bearing
320	Ball bearing
330	Bearing casing
360	Bearing cover
400	Gasket
411-.1	Joint ring
412-.1	O-ring

441	Shaft seal housing
504	Spacer ring
507	Splash ring
550	Disk
551-.1	Spacer disk
562-.1	Parallel pin
563	Casing bolt
565	Rivet
901-.2	Hexagon head cap screw
903-.1	Screwed plug
914	Hexagon socket head cap screw
920	Hexagon nut
932	Locking ring
940-.1	Feather key
970	Name plate

Version with balanced mechanical seal

412.2	O-ring
523	Shaft sleeve
904	Set screw



904
523
412.2

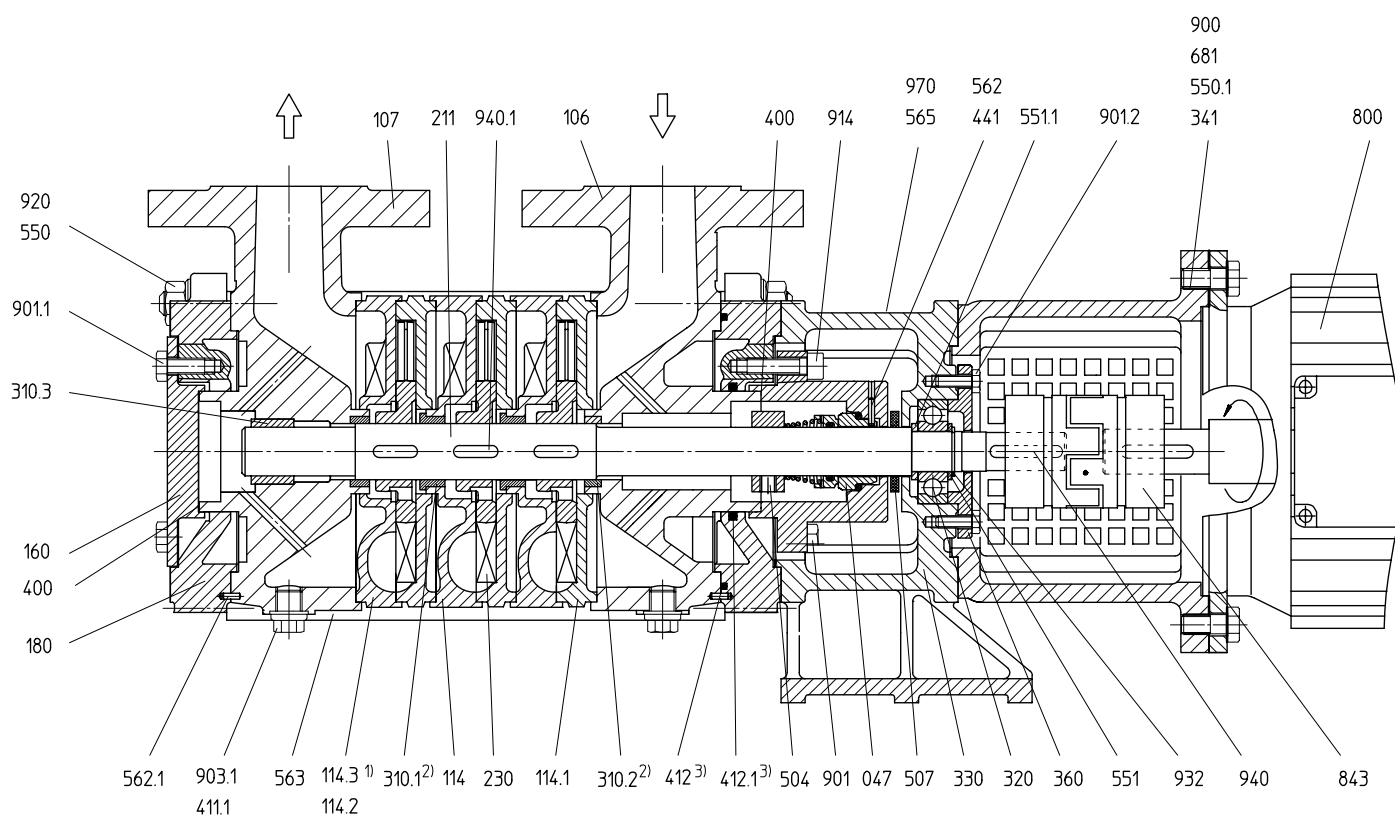
1) Blind stage (114.3) for
SK-2001,
SK-3201 and
SK-3301

2) **Cast iron version:**
discharge stages with sleeve bearing
(310.1)

Stainless steel version:
discharge stages with sleeve bearing
(310.1)
suction and discharge casing with sleeve
bearing (310.2)

3) O-ring (412, 412.1), for cooled version only

SK - LA Sectional drawing and parts list



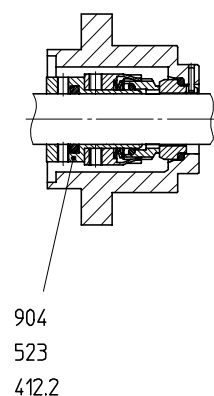
Version with unbalanced mechanical seal

047	Mechanical seal
106	Suction casing
107	Discharge casing
114	Discharge stage I
114.1	Suction stage
114.2	Discharge stage II
114.3	Blind stage
160	Cover
180	Pump frame
211	Shaft
230	Impeller
310.1-3	Sleeve bearing
320	Ball bearing
330	Bearing housing
341	Bracket
360	Bearing cover
400	Flat gasket
411.1	Joint ring
412-1	O-ring
441	Shaft seal housing

504	Spacer ring
507	Splash ring
550-1	Disk
551-1	Spacer disk
562-1	Parallel pin
563	Casing bolt
565	Rivet
681	Coupling guard
800	Motor
843	Coupling
900	Screw
901-2	Hexagon head cap screw
903.1	Screwed plug
914	Hexagon socket head cap screw
920	Hexagon nut
932	Locking ring
940-1	Feather key
970	Name plate

Version with balanced mechanical seal

412.2	O-ring
523	Shaft sleeve
904	Set screw



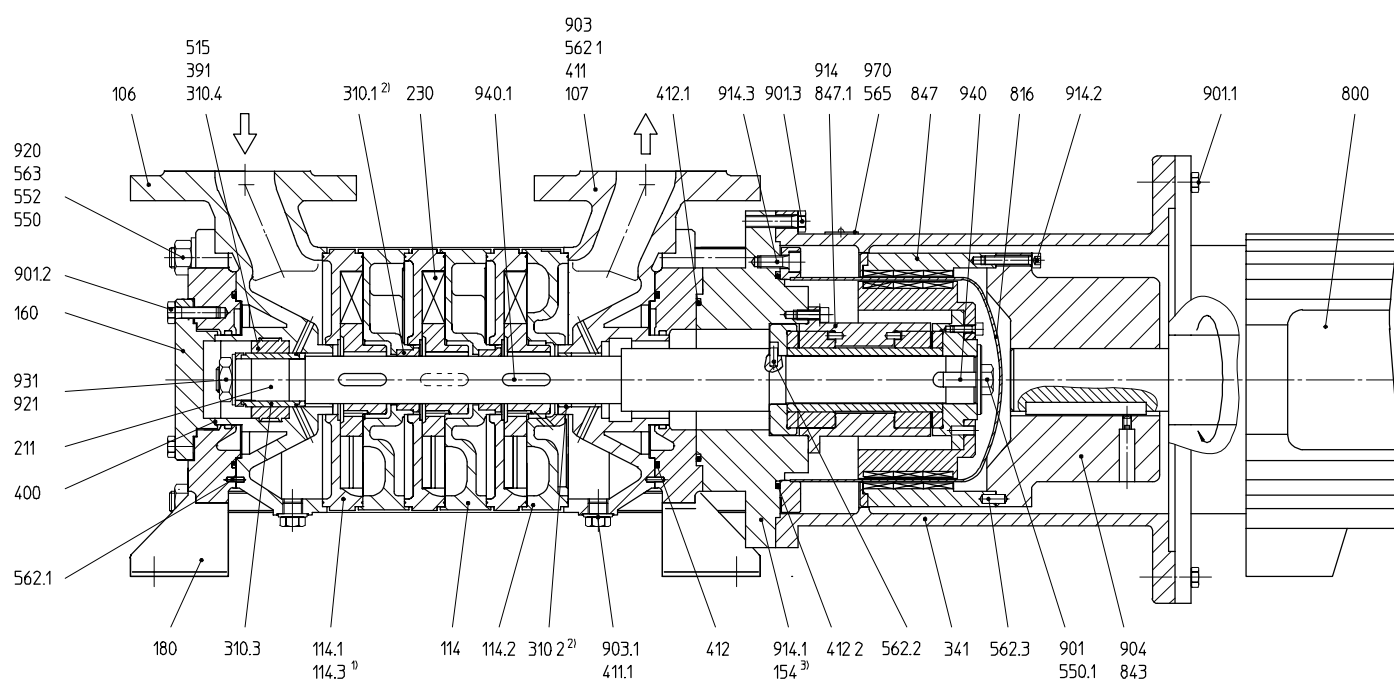
1) Blind stage (114.3) for
SK-2001,
SK-3201 and
SK-3301

2) **Cast iron version:**
discharge stages with sleeve bearing
(310.1)

Stainless steel version:
discharge stages with sleeve bearing
(310.1)
suction and discharge casing with sleeve
bearing (310.2)

3) O-ring (412. 412.1) for cooled version only

SK - MK Sectional drawing and parts list



Version with magnetic coupling

106	Suction casing
107	Discharge casing
114	Discharge stage I
114.1	Suction stage
114.2	Discharge stage II
114.3	Blind stage
154	Intermediate flange
160	Cover
180	Pump frame
211	Shaft
230	Impeller
310.1-4	Sleeve bearing

341	Bracket
391	Bearing ring carrier
400	Flat gasket
411-.1	Joint ring
412-.2	O-ring
515	Tolerance ring
550-.1	Disk
552	Locking disk
562.1-3	Parallel pin
563	Casing bolt
565	Rivet
800	Motor

816	Separating can
843	Coupling
847	Magnetic coupling
847.1	Magnetic coupling with bearing
901-.3	Hexagon head cap screw
903-.1	Screw plug
904	Set screw
914-.3	Hexagon socket head cap screw
920	Hexagon nut
921	Shaft nut
931	Lock washer
940-.1	Key feather
970	Name plate

1) Blind stage (114.3) for
SK-2001,
SK-3201 and
SK-3301

2) **Cast iron version:**
discharge stages with sleeve bearing
(310.1)

Stainless steel version:
discharge stages with sleeve bearing
(310.1)
suction and discharge casing with sleeve
bearing (310.2)

3) Intermediate flange (154) required for
reinforced magnetic coupling

SK-20 - LL / L

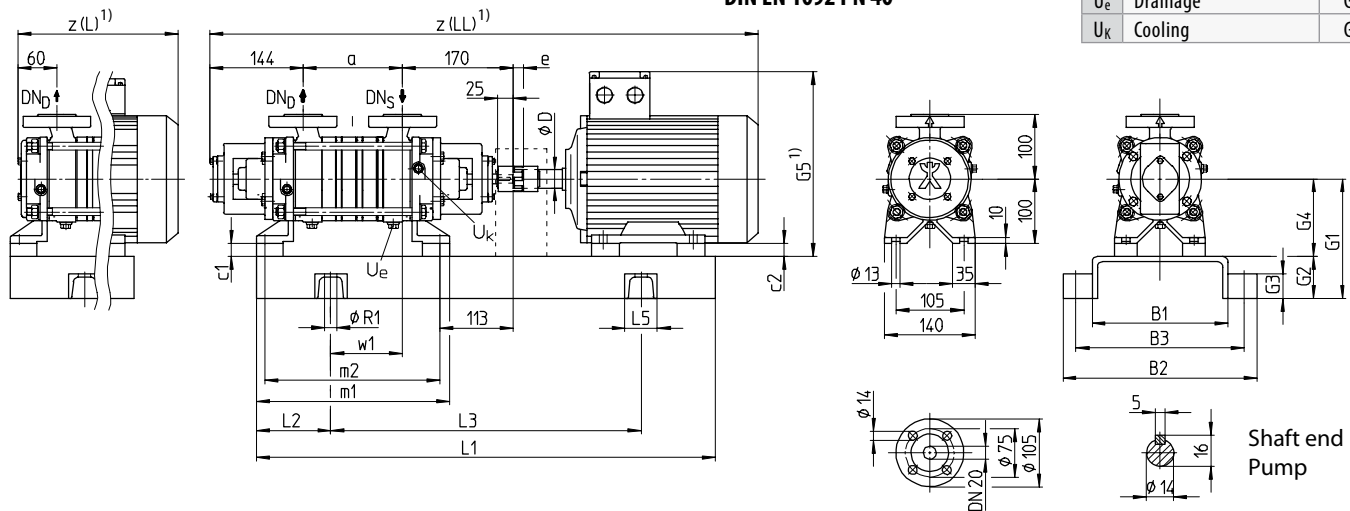
Side channel pumps with mechanical seal (version with 2 deep groove ball bearings or with 1 deep groove ball bearing and 1 plain bearing)

SK-20 - LL / L Aggregate dimensions

Flanges in acc. with
DIN EN 1092 PN 40

Connections

U _e	Drainage	G 1/4
U _k	Cooling	G 1/8



Pump	Motor (50 Hz) ²⁾				Weight ³⁾ (Pump)		Aggregate dimensions								
Size	Frame size	[kW]	[HP]	øD	[kg]	[lbs]	a	c1	c2	e	m1	m2	w1	z(L) ¹⁾	z(LL) ¹⁾
2001	71	0.37	0.50	14	20.5	45	120	0	29	16	270	236	90	616	700
	80	0.55	0.74	19										661	745
2002	80	0.55	0.74	19	21.5	47	120	0	20	16	270	236	90	661	745
	90S	1.1	1.5	24										662	746
2003	80	0.75	1.0	19	23.5	52	154	0	20	16	304	270	124	695	779
	90S	1.1	1.5	24										696	780
	90L	1.5	2.0	24										721	805
	90S	1.1	1.5	24										814	
2004	90L	1.5	2.0	24	25.5	56	188	0	10	18	338	304	148	839	
	100L	2.2	3.0	28										883	
	90S	1.1	1.5	24										848	
2005	90L	1.5	2.0	24	26.5	58	222	0	10	18	372	338	167	873	
	100L	2.2	3.0	28										917	
	90L	1.5	2.0	24										907	
2006	100L	2.2	3.0	28	28.5	63	256	0	0	18	406	372	181	951	
	100L	3.0	4.0	28										941	
	90L	1.5	2.0	24										985	
2007	100L	2.2	3.0	28	30.5	67	290	0	10	18	440	406	215		
	100L	3.0	4.0	28											
	100L	2.2	3.0	28											
2008	100L	2.2	3.0	28	33.5	74	324	0	0	18	474	440	249		
	100L	3.0	4.0	28										1019	

Pump	Motor	Aggregate dimensions													Base plate	Coupling	Coupling guard
Size	Frame size	B1	B2	B3	G1	G2	G3	G4	G5 ¹⁾	L1	L2	L3	L5	øR1	SN 419	Size	Drawing no.
2001	71	210	300	260	165	65	38	100	219	630	105	420	50	19	0/210	19/24	31.681.031-32
	80								229								
2002	80	210	300	260	165	65	38	100	229	630	105	420	50	19	0/210	19/24	31.681.031-32
	90S								248								
2003	80	210	300	260	165	65	38	100	229	630	105	420	50	19	0/210	19/24	31.681.031-32
	90S								248								
2004	90L	240	330	290	165	65	38	100	248	710	115	480	50	19	1/240	24/28	31.681.031-02
	90S								248								
	100L								255								
2005	90S	240	330	290	165	65	38	100	248	710	115	480	50	19	1/240	24/28	31.681.031-02
	90L								248								
	100L								255								
2006	90L	270	360	320	165	65	38	100	248	800	130	540	50	19	2/270	24/28	31.681.031-02
	100L								255								
	100L								255								
2007	90L	270	360	320	165	65	38	100	248	900	150	600	50	19	3/270	24/28	31.681.031-02
	100L								255								
	100L								255								
2008	100L	270	360	320	165	65	38	100	255	900	150	600	50	19	3/270	24/28	31.681.031-02
	100L								255								

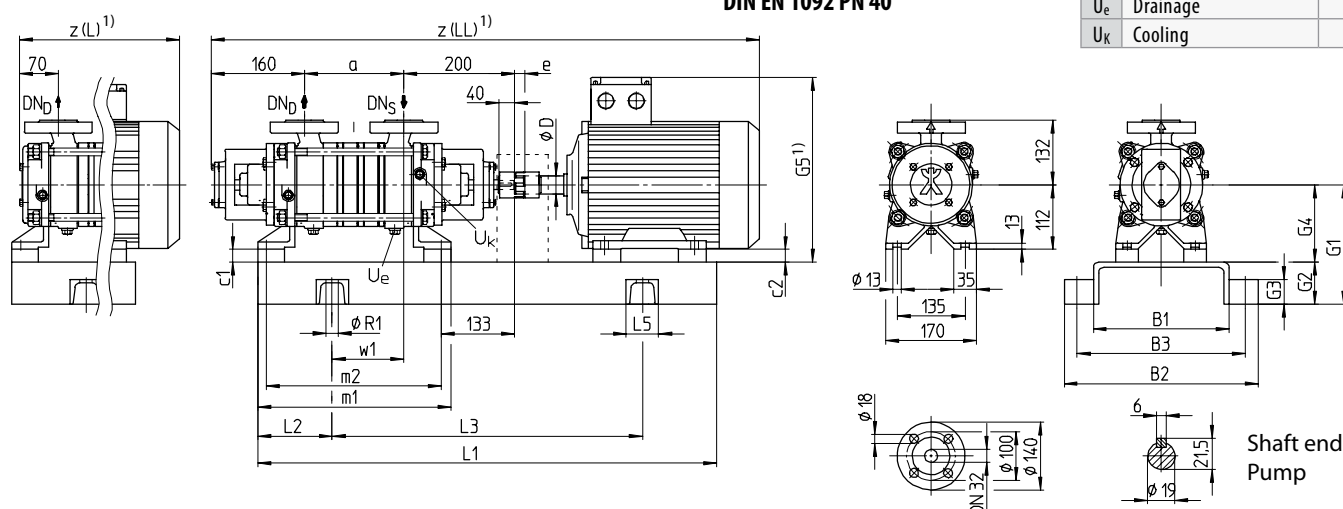
1) Dimensions depending on motor manufacturer 2) 60 Hz on request 3) Weight depending on material design and version

SK-32 - LL / L Aggregate dimensions

**Flanges in acc. with
DIN EN 1092 PN 40**

Connections

U_e	Drainage	G 1/4
U_K	Cooling	G 1/8



Pump	Motor	Aggregate dimensions													Base plate	Coupling	Coupling guard	
Size	Frame size	B1	B2	B3	G1	G2	G3	G4	G5 ¹⁾	L1	L2	L3	L5	øR1	SN 419	Size	Drawing no.	
3201	80	210	300	260	177	65	38	112	241	710	115	480	50	19	1/210	24/28	31.681.031-03	
	90S								260									
3202	90S	210	300	260	177	65	38	112	260	710	115	480	50	19	1/210	24/28	31.681.031-04	
	90L								267									
	100L	240	330	290	800	130	540	2/240										
3203	100L	240	330	290	177	65	38	112	267	800	130	540	50	19	2/240	24/28	31.681.031-04	
	100L								267									
3204	100L	240	330	290	177	65	38	112		267	900	150	600	50	19	3/240	24/28	31.681.031-04
	100L								280									
	112M	270	360	320	900	150	600	3/270										
3205	100L	240	330	290	177	65	38	112	267	900	150	600	50	19	3/240	24/28	31.681.031-04	
	112M	270	360	320					280						3/270			
	132S	300	390	350	197			112	320	1000	170	660			4/300	28/38		31.681.031-07
	112M	270	360	320	177				280	900	150	600			4/270	24/28		31.681.031-04
3206	132S	300	390	350	197	65	38	132	320	1000	170	660	50	19	4/300	28/38	31.681.031-07	
	132M								320									
	112M	270	360	320	177	65	38	112		280	1000	170	660	4/270	24/28	31.681.031-04		
3207	132S	300	390	350					177	65	38	112	320	1120	190	740	50	19
	132M				320													
	3208	132S	300	390		350	197	65	38	132	320	1120	190	740	50	19	5/300	28/38
132M		320																
160M			380	490	440	240	80	42	160	410	1250	205	840	65	24	6/380	38/45	31.681.031-13

speck 17

SK-33 - LL / L

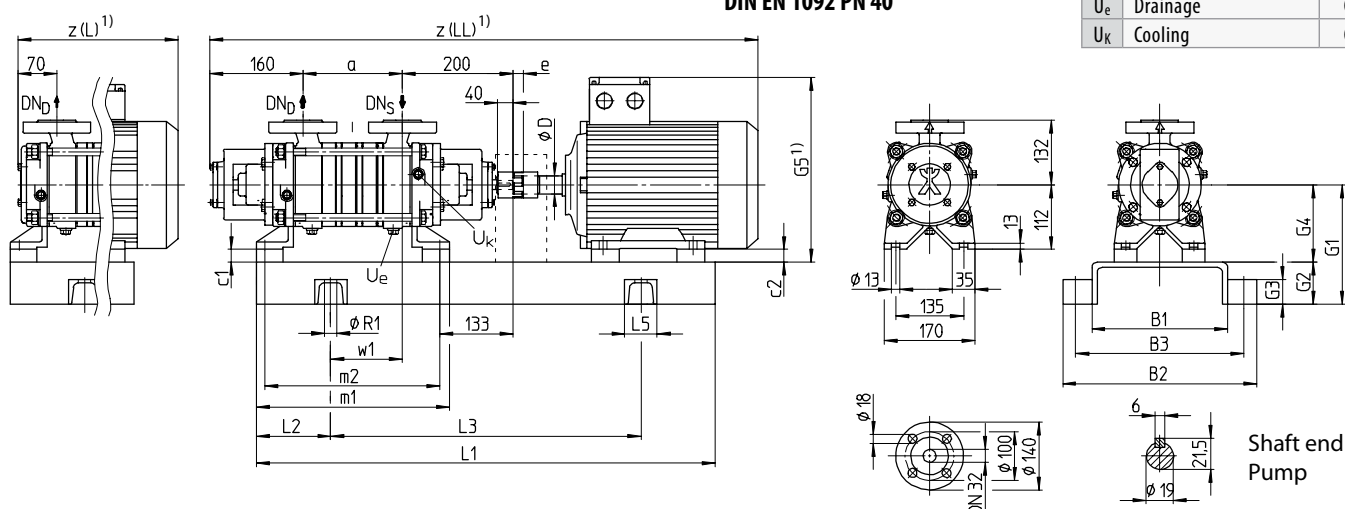
Side channel pumps with mechanical seal (version with 2 deep groove ball bearings or with 1 deep groove ball bearing and 1 plain bearing)

SK-33 - LL / L Aggregate dimensions

**Flanges in acc. with
DIN EN 1092 PN 40**

Connections

U _e	Drainage	G 1/4
U _k	Cooling	G 1/8



Pump	Motor (50 Hz) ²⁾				Weight ³⁾ (Pump)		Aggregate dimensions											
Size	Frame size	[kW]	[HP]	øD	[kg]	[lbs]	a	c1	c2	e	m1	m2	w1	z(L) ¹⁾	z(LL) ¹⁾			
3301	80	0.75	1.0	19	31.5	69	146	0	32	18	314	280	115	729	819			
	90S	1.1	1.5	24					22					728	818			
3302	90L	1.5	2.0	24	34.5	76	146	0	22	18	314	280	115	753	843			
	100L	2.2	3.0	28					12					100	797	887		
3303	100L	2.2	3.0	28	38.5	85	186	0	12	18	354	320	140	837	927			
	100L	3.0	4.0						0					854	944			
	112M	4.0	5.4						0									
3304	100L	3.0	4.0	28	42.5	94	226	0	12	18	394	360	160		967			
	112M	4.0	5.4						0						984			
	132S	5.5	7.4						20						1091			
3305	100L	3.0	4.0	28	45.5	100	266	0	12	18	434	400	200	180	1007			
	112M	4.0	5.4						0						1024			
	132S	5.5	7.4						20						1131			
3306	112M	4.0	5.4	28	48.5	107	306	0	18	18	474	440	220		1064			
	132S	5.5	7.4	20					1171									
	132M	7.5	10.1	0														
3307	132S	5.5	7.4	38	52.5	116	346	20	0	20	514	480	240		1211			
	132M	7.5	10.1															
3308	132S	5.5	7.4	38	55.5	122	386	20	0	20	554	520	280		1251			
	132M	7.5	10.1												48	24	265	1397
	160M	11.0	14.8															

Pump	Motor	Aggregate dimensions														Base plate	Coupling	Coupling guard					
Size	Frame size	B1	B2	B3	G1	G2	G3	G4	G5 ¹⁾	L1	L2	L3	L5	øR1	SN 419	Size	Drawing no.						
3301	80	210	300	260	177	65	38	112	241	710	115	480	50	19	1/210	24/28	31.681.031-03						
	90S								260														
3302	90L	210	300	260	177	65	38	112	260	710	115	480	50	19	1/210	24/28	31.681.031-03						
	100L	240	330	290					267	800	130	540			2/240		31.681.031-04						
3303	100L	240	330	290	177	65	38	112	267	800	130	540	50	19	2/240	24/28	31.681.031-04						
	100L								280														
	112M								270									360	320	280			
3304	100L	240	330	290	177	65	38	112	267	900	150	600	50	19	3/240	24/28	31.681.031-04						
	112M	270	360	320					280						3/270								
	132S	300	390	350					197						132			320	1000	170	660	4/300	28/38
3305	100L	240	330	290	177	65	38	112	267	900	150	600	50	19	3/240	24/28	31.681.031-04						
	112M	270	360	320					280						3/270								
	132S	300	390	350					197						132			320	1000	170	660	4/300	28/38
3306	112M	270	360	320	177	65	38	112	280	1000	170	660	50	19	4/270	24/28	31.681.031-04						
	132S	300	390	350	197				132						320	1000	170	660	50	19	4/300	28/38	31.681.031-07
	132M																						
3307	132S	300	390	350	197	65	38	132	320	1120	190	740	50	19	5/300	28/38	31.681.031-07						
	132M																						
3308	132S	300	390	350	197	65	38	132	320	1120	190	740	50	19	5/300	28/38	31.681.031-07						
	160M																	380	490	440	240	80	42

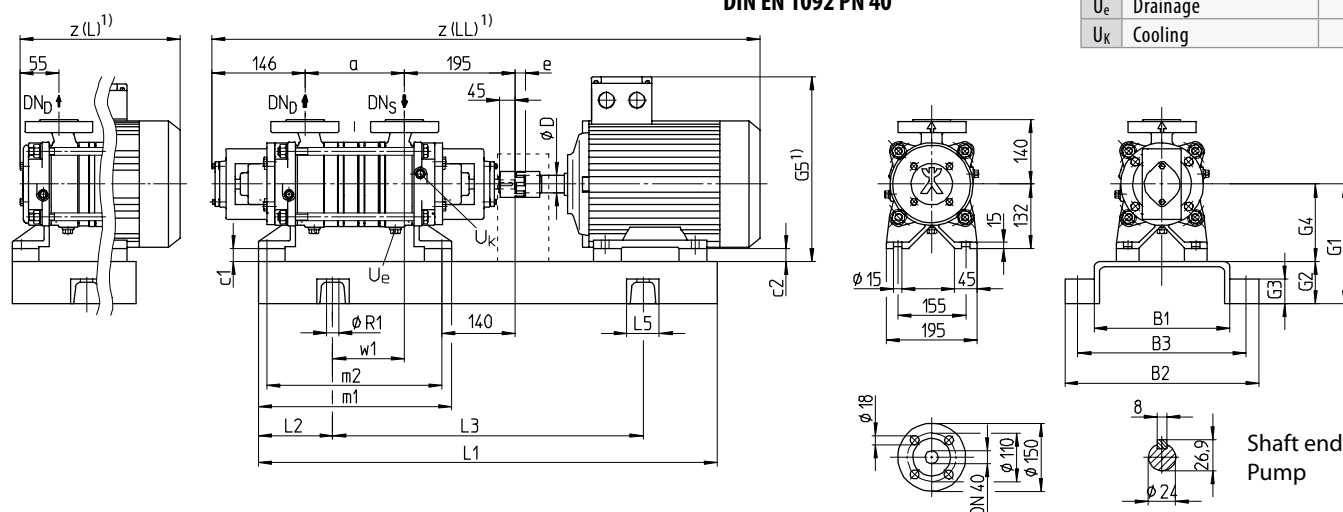
1) Dimensions depending on motor manufacturer 2) 60 Hz on request 3) Weight depending on material design and version

SK-40 - LL / L Aggregate dimensions

**Flanges in acc. with
DIN EN 1092 PN 40**

Connections

U_e	Drainage	G 1/4
U_k	Cooling	G 1/8



Pump	Motor (50 Hz) ²⁾				Weight ³⁾ (Pump)		Aggregate dimensions									
Size	Frame size	[kW]	[HP]	øD	[kg]	[lbs]	a	c1	c2	e	m1	m2	w1	z(L) ¹⁾	z(LL) ¹⁾	
4001	90L	1.5	2.0	24	41.5	91	160	0	42	18	303	269	117	552	838	
	100L	2.2	3.0	28					32				102	596	882	
4002	100L	2.2	3.0	28	47.5	105	215	0	32	18	358	324	157	651	937	
	100L	3.0	4.0	28					20					668	954	
	112M	4.0	5.4	28					20					723	1009	
4003	112M	4.0	5.4	28	53.5	118	270	0	20	18	413	379	192	723	1009	
	132S	5.5	7.4	38					0				20	172	830	1116
	132S	5.5	7.4	38					59.5	131	325	0	0	20	468	434
132M	7.5	10.1	38													
4005	132S	5.5	7.4	38	65.5	144	380	0	0	20	523	489	262		1226	
	132M	7.5	10.1	38												28
	160M	11.0	14.8	42				0	24	317	1281					
4006	132M	7.5	10.1	38	70.5	155	435	0	0	20	578	544	317		1427	
	160M	11.0	14.8	42												28
4007	132M	7.5	10.1	38	76.5	169	490	0	0	20	633	599	357		1482	
	160M	11.0	14.8	42												28
	160L	15.0	20.1	42												
4008	160M	11.0	14.8	42	82.5	182	545	28	0	24	688	654	387		1537	
	160L	15.0	20.1	42												

Pump	Motor	Aggregate dimensions													Base plate	Coupling	Coupling guard
Size	Frame size	B1	B2	B3	G1	G2	G3	G4	G5 ¹⁾	L1	L2	L3	L5	øR1	SN 419	Size	Drawing no.
4001	90L	240	330	290	197	65	38	132	280	710	115	480	50	19	1/240	24/28	31.681.031-05
	100L								287	800	130	540			2/240		31.681.031-06
4002	100L	240	330	290	197	65	38	132	287	800	130	540	50	19	2/240	24/28	31.681.031-06
	112M								270			360			320		
4003	112M	270	360	320	197	65	38	132	300	900	150	600	50	19	3/270	24/28	31.681.031-06
	132S	300	390	350					320	1000	170				4/300	28/38	31.681.031-07
4004	132S 132M	300	390	350	197	65	38	132	320	1000	170	660	50	19	4/300	28/38	31.681.031-07
4005	132S	300	390	350	197	65	38	132	320	1120	190	740	50	19	5/300	28/38	31.681.031-07
	132M																
4006	160M	380	490	440	240	80	42	160	410	1250	205	840	65	24	6/380	38/45	31.681.031-13
	132M	300	390	350	197	65	38	132	320	1120	190	740	50	19	5/300	28/38	31.681.031-07
	160M	380	490	440	240	80	42	160	410	1250	205	840	65	24	6/380	38/45	31.681.031-13
4007	132M	300	390	350	197	65	38	132	320	1250	205	840	50	19	6/300	28/38	31.681.031-07
	160M	380	490	440	240	80	42	160	410						65	24	6/380
	160L									1400	230	940					
4008	160M 160L	380	490	440	240	80	42	160	410	1400	230	940	65	24	7/380	38/45	31.681.031-13

speck 19

SK-50 - LL / L

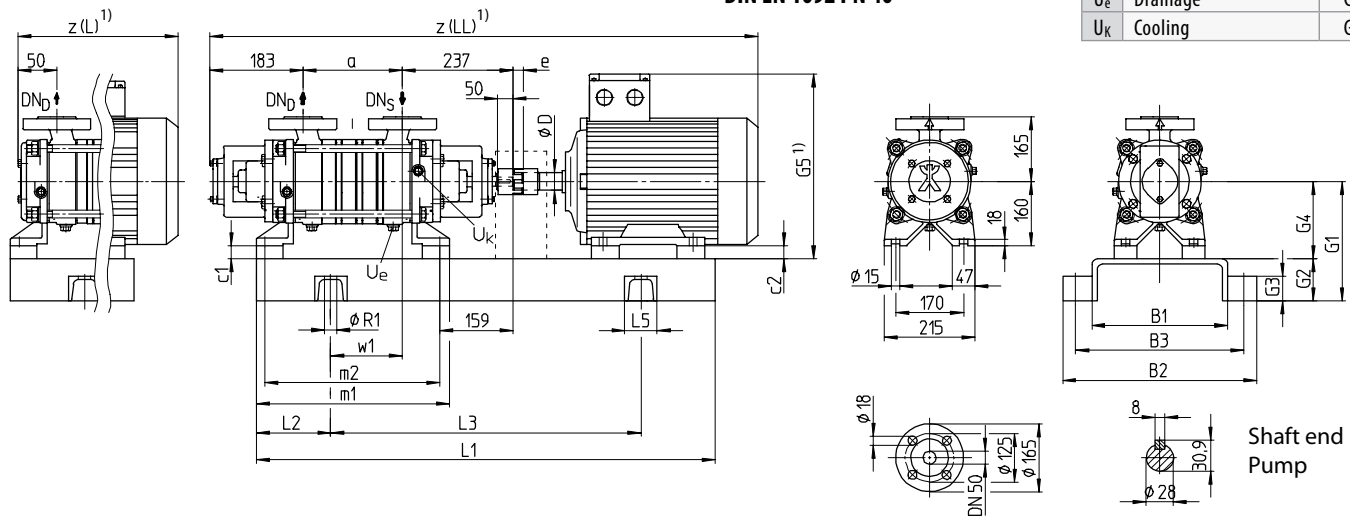
Side channel pumps with mechanical seal (version with 2 deep groove ball bearings or with 1 deep groove ball bearing and 1 plain bearing)

SK-50 - LL / L Aggregate dimensions

Flanges in acc. with
DIN EN 1092 PN 40

Connections

U _e	Drainage	G 1/4
U _k	Cooling	G 1/8



Pump	Motor (50 Hz) ²⁾				Weight ³⁾ (Pump)		Aggregate dimensions								
Size	Frame size	[kW]	[HP]	øD	[kg]	[lbs]	a	c1	c2	e	m1	m2	w1	z(L) ¹⁾	z(LL) ¹⁾
5001	100L	3.0	4.0	28	61	134	175	0	60	18	369	331	122	606	976
	112M	4.0	5.4	28					48	18			122	623	993
	132S	5.5	7.4	38					28	20			102	730	1100
5002	132S	5.5	7.4	38	71	157	250	0	28	20	444	406	177	805	1175
	132M	7.5	10.1	38					0	24			157	951	1321
	160M	11.0	14.8	42					28	20			232	880	1250
5003	132M	7.5	10.1	38	81	179	325	0	0	24	519	481	217	1026	1396
	160M	11.0	14.8	42					0	24			292		1471
	160L	15.0	20.1	42					0	24			267		1546
5004	160M	11.0	14.8	42	91	201	400	0	0	24	594	556			1571
	160L	15.0	20.1	42					0	24					1609
	180M	18.5	24.8	48					20	26			342		1621
5005	180L	22.0	29.5	48	102	225	475	20	0	26	669	631			1646
	160L	15.0	20.1	42					0	24					1684
	180M	18.5	24.8	48					20	26					1736
5006	180L	22.0	29.5	48	112	247	550	20	0	26	744	706			1721
	200L	30.0	40.2	55					40	28					1759
	180M	18.5	24.8	48					20	26					1811
5007	180L	22.0	29.5	48	122	269	625	20	0	26	819	781			1834
	200L	30.0	40.2	55					40	28					1886
	180L	22.0	29.5	48					20	26					
5008	200L	30.0	40.2	55	133	293	700	40	0	28	894	856			

Pump	Motor	Aggregate dimensions													Base plate	Coupling	Coupling guard					
Size	Frame size	B1	B2	B3	G1	G2	G3	G4	G5 ¹⁾	L1	L2	L3	L5	øR1	SN 419	Size	Drawing no.					
5001	100L								315						3/270							
	112M	270	360	320	225	65	38	160	328	900	150	600	50	19	3/270	24/28	31.681.031-20					
	132S	300	390	350					348	1000	170	660			4/300	28/38	31.681.031-11					
5002	132S																					
	132M	300	390	350	225	65	38	160	348	1000	170	660	50	19	4/300	28/38	31.681.031-11					
	160M	380	490	440	240	80	42		410	1120	190	740	65	24	5/380	38/45	31.681.031-13					
5003	132M	300	390	350	225	65	38	160	348	1120	190	740	50	19	5/300	28/38	31.681.031-11					
	160M																					
	160L	380	490	440	240	80	42	410	1250	205	840	65	24	6/380	38/45	31.681.031-13						
5004	160M																					
	160L	380	490	440	240	80	42	160	410	1250	205	840	65	24	6/380	38/45	31.681.031-13					
									1400	230	940	7/380										
5005	160L	380	490	440	240	80	42	160	410	1400	230	940	65	24	7/380	38/45	31.681.031-13					
	180M																					
	180L	430	540	490	260	180	494							7/430	42/55	31.681.031-16						
5006	160L	380	490	440	240	80	42	160	410	1600	270	1060	65	24	8/380	38/45	31.681.031-13					
	180M																					
	180L	430	540	490	260			180	494											8/430	42/55	31.681.031-16
	200L	480	610	550	300			100	200						514					28	8/480	48/60
5007	180M																					
	180L	430	540	490	260	80	42	180	494	1600	270	1060	65	24	8/430	42/55	31.681.031-16					
	200L	480	610	550	300	100		200	514										28	8/480	48/60	31.681.031-19
5008	180L	430	540	490	260	80	42	180	494	1800	300	1200	65	24	9/430	42/55	31.681.031-16					
	200L	480	610	550	300	100		200	514										28	9/480	48/60	31.681.031-19

1) Dimensions depending on motor manufacturer 2) 60 Hz on request 3) Weight depending on material design and version

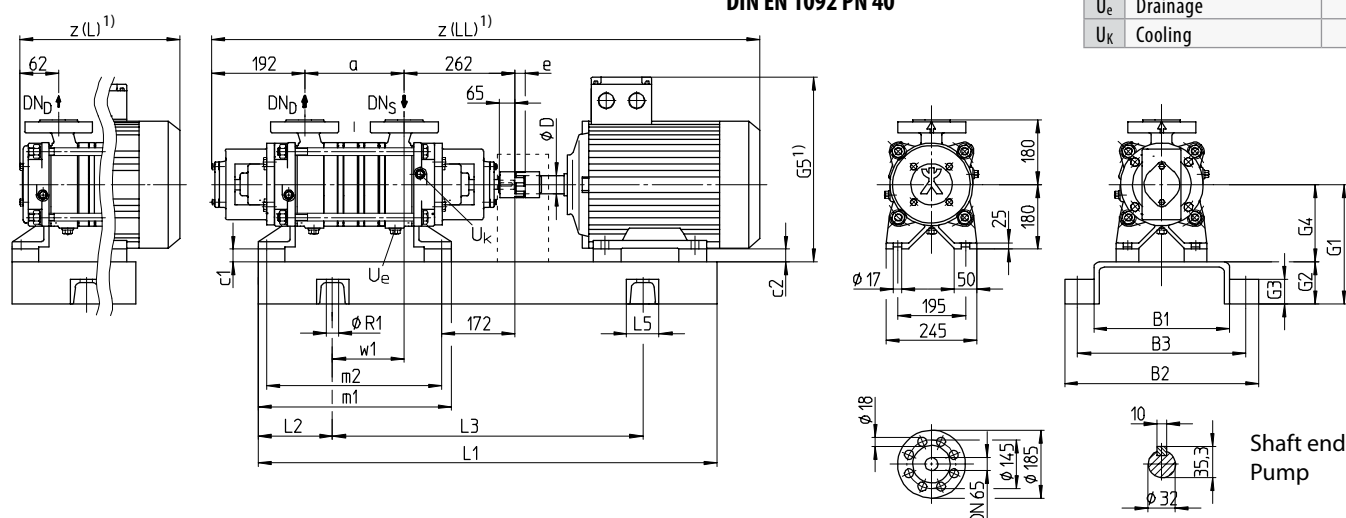
Side channel pumps with mechanical seal (version with 2 deep groove ball bearings or with 1 deep groove ball bearing and 1 plain bearing)

SK-65 - LL / L Aggregate dimensions

Flanges in acc. with
DIN EN 1092 PN 40

Connections

U _e	Drainage	G 1/4
U _k	Cooling	G 1/8



Pump	Motor (50 Hz) ²⁾				Weight ³⁾ (Pump)		Aggregate dimensions								
Size	Frame size	[kW]	[HP]	øD	[kg]	[lbs]	a	c1	c2	e	m1	m2	w1	z(L) ¹⁾	z(LL) ¹⁾
6501	132S	5.5	7.4	38	81	179	195	0	48	20	412	369	134	762	1154
	132M	7.5	10.1												
6502	160M	11.0	14.8	42	93	205	285	0	20	24	502	459	189	998	1390
	160L	15.0	20.1												
6503	180M	18.5	24.8	48	106	234	375	0	0	26	592	549	254	1113	1505
	180L	22.0	29.5											1151	1543
6504	180L	22.0	29.5	48	118	260	465	0	0	26	682	639	304		1633
	200L	30.0	40.2	55				20		28					1685
6505	200L	30.0	40.2	55	131	289	555	20	0	28	772	729	394		1775
	225S	37.0	49.6	60				45							1912
6506	200L	30.0	40.2	55	142	313	645	20	0	28	862	829	454		1865
	225S	37.0	49.6	60				45							2002
6507	225M	45.0	60.3	60	156	344	735	20	0	28	952	909	544		1955
	200L	30.0	40.2	55				45							2092
6508	250M	55.0	73.8	65	167	368	825	70	0	30	1042	999	524		2109
	225S	37.0	49.6	60				45		28					614
6508	225M	45.0	60.3	60	167	368	825	70	0	30	1042	999	599		2199
	250M	55.0	73.8	65											

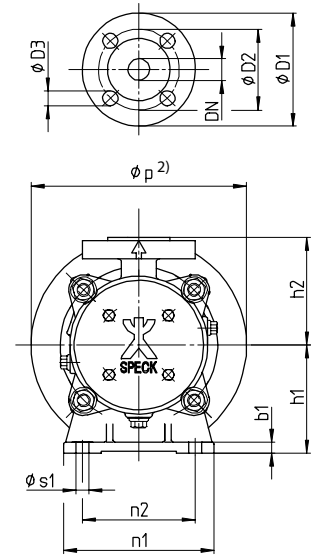
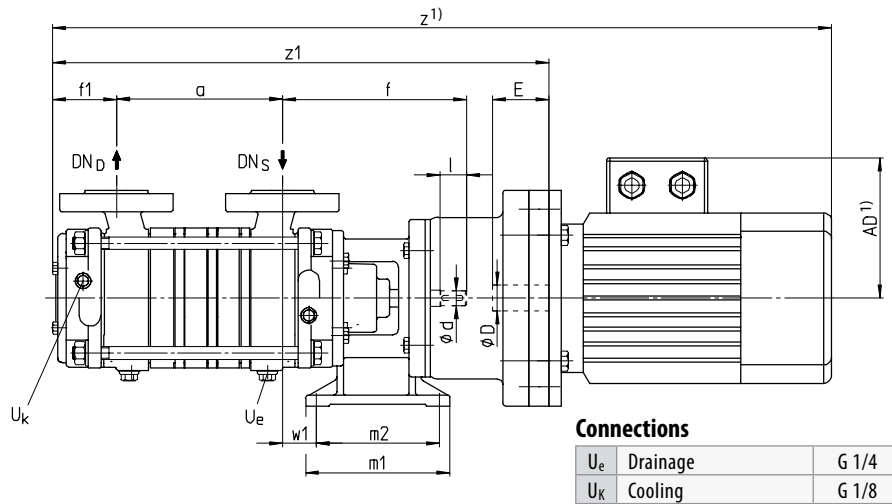
Pump	Motor	Aggregate dimensions													Base plate	Coupling	Coupling guard
Size	Frame size	B1	B2	B3	G1	G2	G3	G4	G5 ¹⁾	L1	L2	L3	L5	øR1	SN 419	Size	Drawing no.
6501	132S	300	390	350	245	65	38	180	368	1000	170	660	50	19	4/300	28/38	31.681.031-15
	132M																
6502	160M	380	490	440	260	80	42	180	430	1250	205	840	65	24	6/380	38/45	31.681.031-17
	160L																
6503	180M	430	540	490	260	80	42	180	494	1400	230	940	65	24	7/430	42/55	31.681.031-17
	180L																
6504	180L	430	540	490	260	80	42	180	494	1600	270	1060	65	24	8/430	42/55	31.681.031-17
	200L	480	610	550	300	100		200	514					28	8/480	48/60	31.681.031-19
6505	200L	480	610	550	300	100	42	200	514	1600	270	1060	65	28	8/480	48/60	31.681.031-19
	225S	530	660	600	325			225	563						8/530		31.681.031-21
6506	200L	480	610	550	300	100	42	200	514	1800	300	1200	65	28	9/480	48/60	31.681.031-19
	225S	530	660	600	325			225	563						9/530		31.681.031-21
6507	225M	530	660	600	325	100	42	225	563	1800	300	1200	65	28	9/480	48/60	31.681.031-19
	200L	480	610	550	300			200	514						9/480		31.681.031-19
6508	225S	530	660	600	325	100	42	225	563	1900	320	1260	65	28	10/600	55/70	31.681.031-22
	250M	600	730	670	350			250	611						1900	320	1260
6508	225S	530	660	600	325	100	42	225	563	1900	320	1260	65	28	10/530	48/60	31.681.031-21
	250M	600	730	670	350			250	611						2000	335	1330

1) Dimensions depending on motor manufacturer 2) 60 Hz on request 3) Weight depending on material design and version

SK-20 / 32 / 33 - LA

Side channel pump with mechanical seal (version with 1 deep groove ball bearing, 1 plain bearing and bracket)

SK-20 / 32 / 33 - LA Aggregate dimensions



Pump	Motor (50 Hz) ³⁾			Weight ⁴⁾ (Pump)		Aggregate dimensions						
Size	Frame size	[kW]	[HP]	AD ¹⁾	ϕD	E	[kg]	[lbs]	a	ϕp^2	z1	z ¹⁾
2001	71	0.37	0.50	119	14	30	20.5	45	120	200	398	618
	80	0.55	0.74		19	40					408	663
2002	80	0.55	0.74	129	19	40	21.5	47	120	200	408	663
	90S	1.1	1.5								424	668
2003	80	0.75	1.0	129	19	40	23.5	52	154	200	442	697
	90S	1.1	1.5								458	702
	90L	1.5	2.0	148	24	50					727	

Pump	Aggregate dimensions													Flanges in acc. with DIN EN 1092 PN 40			
Size	b1	d	f	f1	h1	h2	l	m1	m2	n1	n2	s1	w1	DN	D1	D2	D3
20...	10	14	170	60	100	100	25	134	114	140	105	12	32	20	105	75	4 x 14

Pump	Motor (50 Hz) ³⁾			Weight ⁴⁾ (Pump)		Aggregate dimensions						
Size	Frame size	[kW]	[HP]	AD ¹⁾	ϕD	E	[kg]	[lbs]	a	ϕp	z1	z ¹⁾
3201	80	0.75	1.0	129	19	40	31.5	69	146	200	488	743
	90S	1.1	1.5	148	24	50					745	
3202	90S	1.1	1.5	148	24	50	34.5	76	146	200	488	745
	90L	1.5	2.0								770	
3203	100L	2.2	3.0	155	28	60	38.5	85	186	250	498	821
	100L	3.0	4.0								538	861

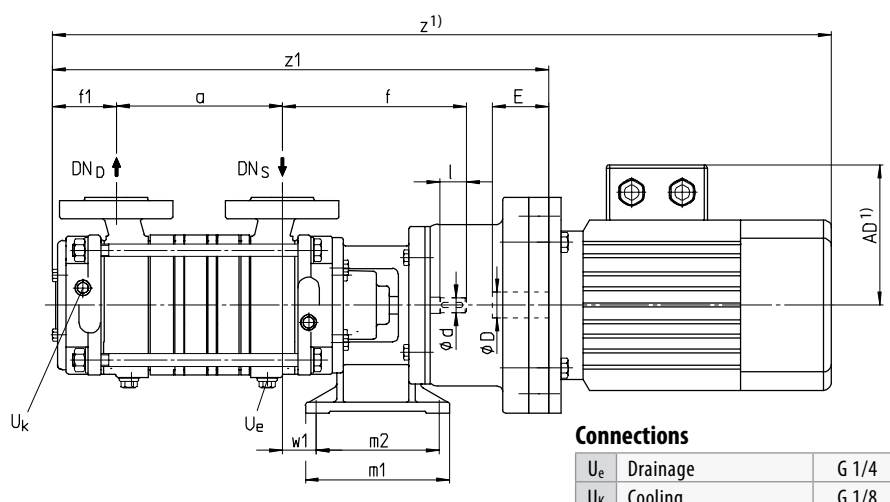
Pump	Aggregate dimensions													Flanges in acc. with DIN EN 1092 PN 40			
Size	b1	d	f	f1	h1	h2	l	m1	m2	n1	n2	s1	w1	DN	D1	D2	D3
32...	12	19	200	70	132	132	40	125	70	140	100	12	86	32	140	100	4 x 18

Pump	Motor (50 Hz) ³⁾			Weight ⁴⁾ (Pump)		Aggregate dimensions						
Size	Frame size	[kW]	[HP]	AD ¹⁾	ϕD	E	[kg]	[lbs]	a	ϕp	z1	z ¹⁾
3301	80	0.75	1.0	129	19	40	31.5	69	146	200	488	743
	90S	1.1	1.5	148	24	50					745	
3302	90L	1.5	2.0	148	24	50	34.5	76	146	200	488	770
	100L	2.2	3.0								498	821
3303	100L	2.2	3.0	155	28	60	38.5	85	186	250	538	861
	100L	3.0	4.0									
	100L	4.0	5.4									

Pump	Aggregate dimensions													Flanges in acc. with DIN EN 1092 PN 40			
Size	b1	d	f	f1	h1	h2	l	m1	m2	n1	n2	s1	w1	DN	D1	D2	D3
33...	12	19	200	70	132	132	40	125	70	140	100	12	86	32	140	100	4 x 18

Side channel pump with mechanical seal (version with 1 deep groove ball bearing, 1 plain bearing and bracket)

SK-40 / 50 / 65 - LA Aggregate dimensions



Pump	Motor (50 Hz) ³⁾				Weight ⁴⁾ (Pump)				Aggregate dimensions			
Size	Frame size	[kW]	[HP]	AD ¹⁾	øD	E	[kg]	[lbs]	a	øp	z1	z ¹⁾
4001	90L	1.5	2.0	148	24	50	41.5	91	160	200	475	757
	100L	2.2	3.0	155	28	60				250	485	808
4002	100L	2.2	3.0	155	28	60	47.5	105	215	250	540	863
	112M	3.0	4.0									880
4003	112M	4.0	5.4	168	28	60	53.5	118	270	250	595	935
	132S	5.5	7.4	188						300	616	1042

Pump	Aggregate dimensions													Flanges in acc. with DIN EN 1092 PN 40			
Size	b1	d	f	f1	h1	h2	l	m1	m2	n1	n2	s1	w1	DN	D1	D2	D3
40...	12	24	195	55	132	140	45	125	70	140	100	12	70	40	150	110	4 x 18

Pump	Motor (50 Hz) ³⁾				Weight ⁴⁾ (Pump)				Aggregate dimensions			
Size	Frame size	[kW]	[HP]	AD ¹⁾	øD	E	[kg]	[lbs]	a	øp ²⁾	z1	z ¹⁾
5001	100L	3.0	4.0	155	28	60	61	134	175	250	540	863
	112M	4.0	5.4	168						300	562	988
	132S	5.5	7.4	188	38	80				300	562	988
5002	132S	5.5	7.4	188	38	80	71	157	250	300	637	1063
	160M	11.0	14.8								671	1188
	132M	7.5	10.1	188	38	80					712	1138
5003	160M	11.0	14.8	250	42	110	81	179	325	300	746	1263
	160L	15.0	20.1								746	1263

Pump	Aggregate dimensions													Flanges in acc. with DIN EN 1092 PN 40			
Size	b1	d	f	f1	h1	h2	l	m1	m2	n1	n2	s1	w1	DN	D1	D2	D3
50...	14	28	237	50	160	165	50	180	80	200	150	14	81	50	165	125	4 x 18

Pump	Motor (50 Hz) ¹⁾				Weight ⁴⁾ (Pump)				Aggregate dimensions			
Size	Frame size	[kW]	[HP]	AD ¹⁾	øD	E	[kg]	[lbs]	a	øp ²⁾	z1	z ¹⁾
6501	132S	5.5	7.4	188	38	80	81	179	195	300	621	1047
	132M	7.5	10.1									
6502	160M	11.0	14.8	250	42	110	93	205	285	300	747	1264
	160L	15.0	20.1									
6503	180M	18.5	24.8	291	48	110	106	234	375	300	837	1425
	180L	22.0	29.5									

Pump	Aggregate dimensions													Flanges in acc. with DIN EN 1092 PN 40			
Size	b1	d	f	f1	h1	h2	l	m1	m2	n1	n2	s1	w1	DN	D1	D2	D3
65...	15	32	262	62	160	180	65	180	80	200	150	14	94	65	185	145	8 x 18

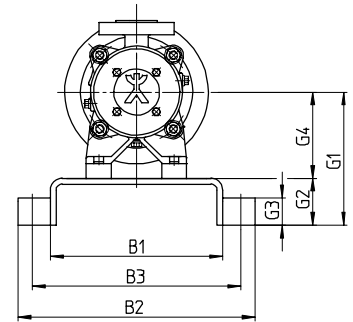
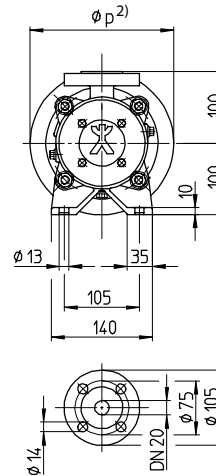
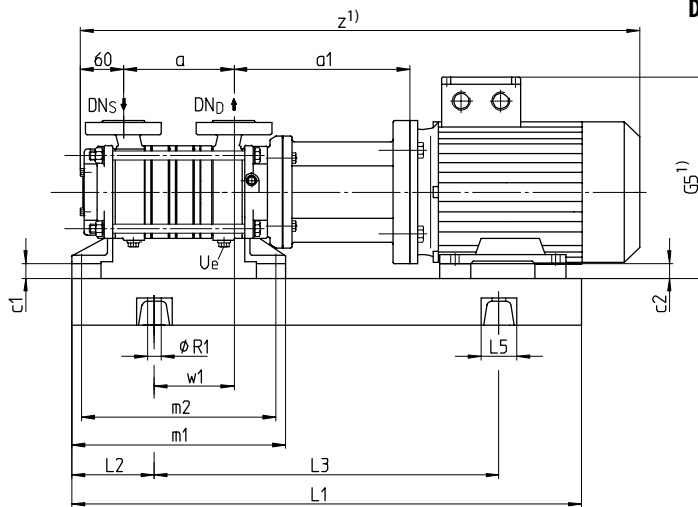
1) Dimensions depending on motor manufacturer 2) Motor flanges partly smaller/bigger than standard 3) 60 Hz on request 4) Weight depending on material and version

SK-20 - MK Aggregate dimensions

Flanges in acc. with
DIN EN 1092 PN 40

Connection

U _e	Drainage	G 1/4
----------------	----------	-------



Pump	Motor (50 Hz) ³⁾		Weight ⁴⁾ (Pump)		Aggregate dimensions									
Size	Frame size	[kW]	[HP]	[kg]	[lbs]	a	a1	c1	c2	m1	m2	øp ²⁾	w1	z ¹⁾
2001	71	0.37	0.50	43	95	120	233	0	29	270	236	200	90	633
	80	0.55	0.74	45	99				20					668
2002	80	0.55	0.74	47	104	120	233	0	20	270	236	200	90	668
	90S	1.1	1.5	53	117				10					657
2003	80	0.8	1.0	51	112	154	233	0	20	304	270	200	124	702
	90S	1.1	1.5	54	119				10					691
2004	90L	1.5	2.0	56	123	188	233	0	10	338	304	200	148	725
	100L	2.2	3.0	65	143				0					750
2005	90S	1.1	1.5	56	123	222	233	0	10	372	338	200	182	759
	100L	2.2	3.0	66	146				0					784
2006	90L	1.5	2.0	59	130	256	233	0	10	406	372	200	201	818
	100L	2.2	3.0	68	150				0					863
2007	90L	1.5	2.0	60	132	290	233	0	10	440	406	200	215	852
	100L	2.2	3.0	69	152				0					897
2008	100L	2.2	3.0	70	154	324	244	0	0	474	440	200	249	931
	112M	4.0	5.4	77	170				12					948

Pump	Motor	Aggregate dimensions													Base plate	Coupling
Size	Frame size	B1	B2	B3	G1	G2	G3	G4	G5 ¹⁾	L1	L2	L3	L5	øR1	SN 419	Diameter
2001	71	210	300	260	165	65	38	100	219	630	105	420	50	19	0/210	75
	80								229							
2002	80	210	300	260	165	65	38	100	229	630	105	420	50	19	0/210	75
	90S								248							
2003	80	210	300	260	165	65	38	100	229	630	105	420	50	19	0/210	75
	90S								248						1/240	
2004	90L	240	330	290	165	65	38	100	248	710	115	480	50	19	1/240	75
	100L								255						2/270	
2005	90S	240	330	290	165	65	38	100	248	710	115	480	50	19	1/240	75
	100L								255						2/270	
2006	90L	270	360	320	165	65	38	100	248	900	150	600	50	19	2/270	75
	100L								255						3/270	
2007	90L	270	360	320	165	65	38	100	248	900	150	600	50	19	3/270	75
	100L								255						3/270	
2008	100L	270	360	320	165	65	38	100	255	900	150	600	50	19	3/270	75
	112M				177				280							

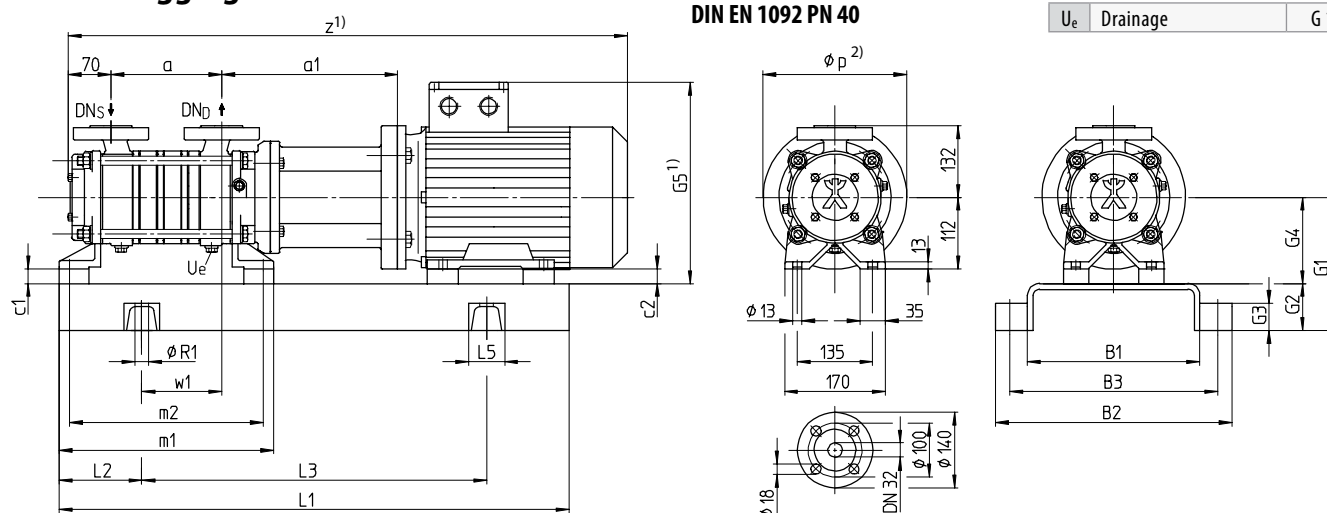
1) Dimensions depending on motor manufacturer 2) Motor flanges partly smaller/bigger than standard 3) 60 Hz on request 4) Weight depending on material and version

SK-32 - MK Aggregate dimensions

Flanges in acc. with
DIN EN 1092 PN 40

Connection

U _e	Drainage	G 1/4
----------------	----------	-------



Pump	Motor (50 Hz) ³⁾			Weight ⁴⁾ (Pump)		Aggregate dimensions								
Size	Frame size	[kW]	[HP]	[kg]	[lbs]	a	a1	c1	c2	m1	m2	øp ²⁾	w1	z ¹⁾
3201	80	0.75	1.0	79	174	146	226	20	52	314	280	200	125	697
	90S	1.1	1.5	82	181				42					686
3202	90S	1.1	1.5	84	185	146	226	20	42	314	280	200	115	686
	90L	1.5	2.0	86	190				32					711
3203	100L	2.2	3.0	90	198	186	226	20	32	354	320	250	100	745
	100L	2.2	3.0	92	203				32					785
3204	100L	3.0	4.0	96	212	226	299	20	32	394	360	250	180	898
	100L	2.2	3.0	99	218				20					915
3205	112M	4.0	5.4	114	251	266	299	20	32	434	400	250	200	938
	100L	3.0	4.0	103	227				20					955
3206	132S	5.5	7.4	127	280	306	299	40	20	474	440	300	240	1040
	112M	4.0	5.4	113	249				20					995
3207	132M	7.5	10.1	142	313	346	299	40	20	514	480	300	240	1080
	112M	4.0	5.4	115	254				20					1035
3208	132S	5.5	7.4	126	278	386	299	40	20	554	520	300	280	1120
	132M	7.5	10.1	144	317				20					1160

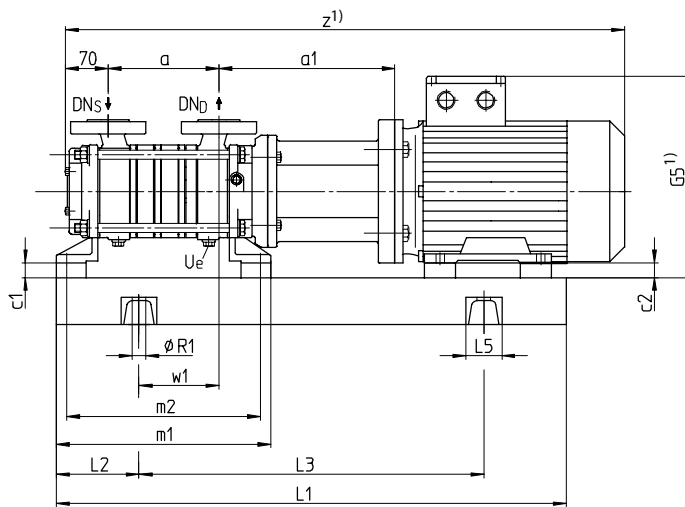
Pump	Motor	Aggregate dimensions													Base plate	Coupling
Size	Frame size	B1	B2	B3	G1	G2	G3	G4	G5 ¹⁾	L1	L2	L3	L5	øR1	SN 419	Diameter
3201	80	210	300	260	197	65	38	132	261	630	105	420	50	19	0/210	75
	90S								280							
3202	90S	210	300	260	197	65	38	132	280	710	115	480	50	19	1/210	75
	90L								287						800	
3203	100L	240	330	290	197	65	38	132	287	800	130	540	50	19	2/240	75
	100L								287							
3204	100L	240	330	290	197	65	38	132	287	800	130	540	50	19	2/240	110
	100L								300						900	
3205	100L	240	330	290	197	65	38	132	287	900	150	600	50	19	3/240	110
	112M	270	360	320					300						3/270	
3206	132S	300	390	350	197	65	38	152	340	900	150	600	50	19	3/300	110
	112M	270	360	320					132						300	
3207	132S	300	390	350	197	65	38	152	340	1000	170	660	50	19	4/300	110
	132M								300						390	
3208	132S	300	390	350	197	65	38	152	340	1120	190	740	50	19	5/300	110
	132M								340							

1) Dimensions depending on motor manufacturer 2) Motor flanges partly smaller/bigger than standard 3) 60 Hz on request 4) Weight depending on material and version

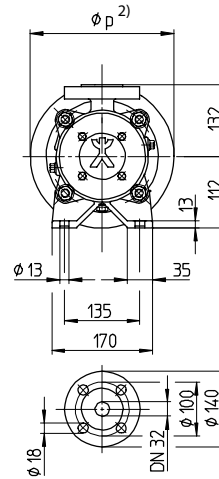
SK-33 - MK

Side channel pumps with magnetic coupling

SK-33 - MK Aggregate dimensions

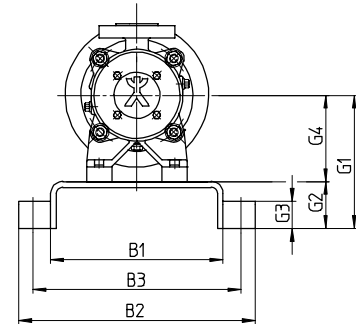


Flanges in acc. with
DIN EN 1092 PN 40



Connection

U _e	Drainage	G 1/4
----------------	----------	-------



Pump	Motor (50 Hz) ³⁾				Weight ⁴⁾ (Pump)		Aggregate dimensions							
Size	Frame size	[kW]	[HP]	[kg]	[lbs]	a	a1	c1	c2	m1	m2	øp ²⁾	w1	z ¹⁾
3301	80	0.75	1.0	79	174	146	226	20	52	314	280	200	125	697
	90S	1.1	1.5	82	181				42					686
3302	90S	1.1	1.5	84	185	146	226	20	42	314	280	200	115	686
	90L	1.5	2.0	86	190				32					711
3303	100L	2.2	3.0	90	198	186	226	20	32	354	320	250	140	745
	100L	2.2	3.0	92	203				32					785
3304	100L	3.0	4.0	96	212	226	299	20	32	394	360	250	180	898
	100L	2.2	3.0	99	218				20					915
3305	112M	4.0	5.4	114	251	266	299	20	32	434	400	250	200	938
	100L	3.0	4.0	105	231				20					955
3306	132S	5.5	7.4	127	280	306	299	20	20	474	440	300	240	1040
	112M	4.0	5.4	113	249				20					995
3307	132S	5.5	7.4	129	284	346	299	20	20	514	480	250	260	1080
	132M	7.5	10.1	142	313				20					1035
3308	112M	4.0	5.4	115	254	386	299	40	20	554	520	300	280	1120
	132S	5.5	7.4	126	278				20					1160

Pump	Motor	Aggregate dimensions													Base plate	Coupling
Size	Frame size	B1	B2	B3	G1	G2	G3	G4	G5 ¹⁾	L1	L2	L3	L5	øR1	SN 419	Diameter
3301	80	210	300	260	197	65	38	132	261	630	105	420	50	19	0/210	75
	90S								280							
3302	90S	210	300	260	197	65	38	132	280	710	115	480	50	19	1/210	75
	90L								287							
3303	100L	240	330	290	197	65	38	132	287	800	130	540	50	19	2/240	75
	100L								287							
3304	100L	240	330	290	197	65	38	132	287	800	130	540	50	19	2/240	110
	100L								287							
3305	112M	270	360	320	197	65	38	132	300	900	150	600	50	19	3/270	110
	100L								287							
3306	132S	300	390	350	197	65	38	152	340	1000	170	660	50	19	4/300	110
	112M								300							
3307	132S	300	390	350	197	65	38	152	340	1120	190	740	50	19	5/300	110
	132M								340							
3308	132S	300	390	350	197	65	38	152	340	1120	190	740	50	19	5/300	110
	132M								340							

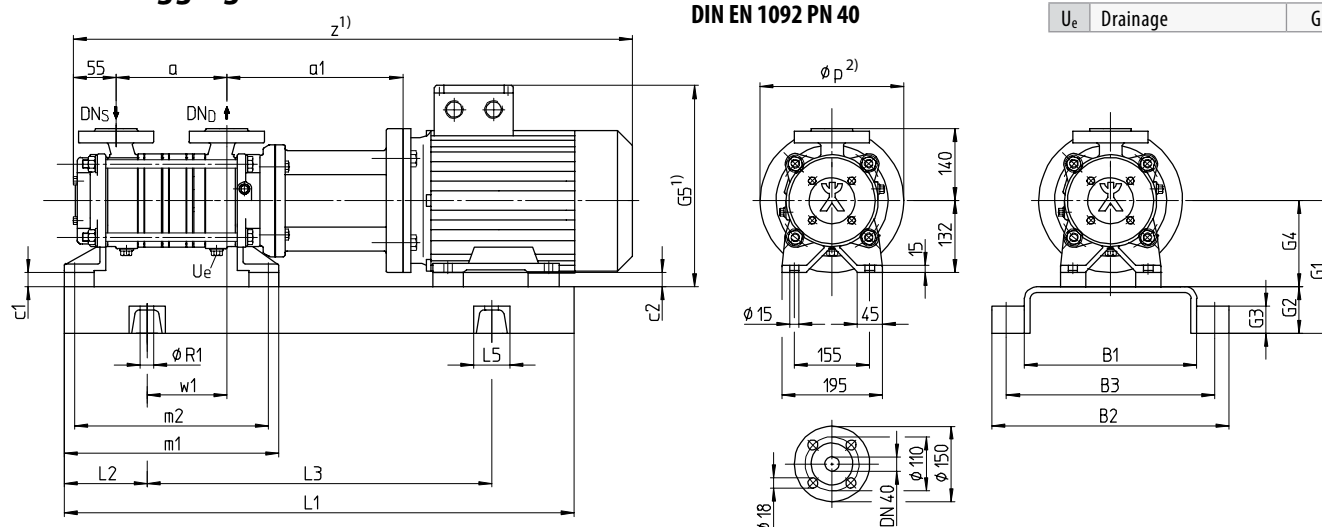
1) Dimensions depending on motor manufacturer 2) Motor flanges partly smaller/bigger than standard 3) 60 Hz on request 4) Weight depending on material and version

SK-40 - MK Aggregate dimensions

Flanges in acc. with
DIN EN 1092 PN 40

Connection

U _e	Drainage	G 1/4
----------------	----------	-------



Pump	Motor (50 Hz) ³⁾			Weight ⁴⁾ (Pump)		Aggregate dimensions								
Size	Frame size	[kW]	[HP]	[kg]	[lbs]	a	a1	c1	c2	m1	m2	øp ²⁾	w1	z ¹⁾
4001	90L	1.5	2.0	77	170	160	250	0	42	303	269	250	117	734
	100L	2.2	3.0	81	179				32				102	768
4002	100L	2.2	3.0	84	185	215	250	0	32	358	324	250	157	823
	112M	4.0	5.4	87	192				20					840
4003	112M	4.0	5.4	90	198	270	250	0	20	413	379	250	192	895
	132S	5.5	7.4	106	234				0					980
4004	132S	5.5	7.4	114	251	325	365	28	28	468	434	300	227	1150
	132M	7.5	10.1	132	291				28					
4005	132S	5.5	7.4	115	254	380	365	28	28	523	489	300	282	1205
	160M	11.0	14.8	159	351				0				262	1317
4006	132M	7.5	10.1	128	282	435	365	28	28	578	544	300	317	1260
	160M	11.0	14.8	162	357				0				302	1372
4007	132M	7.5	10.1	131	289	490	365	28	28	633	599	300	357	1315
	160M	11.0	14.8	165	364				0					1427
4008	160L	15.0	20.1	180	397	545	365	28	0	688	654	300	387	1482
	160L	15.0	20.1	183	403				0					

Pump	Motor	Aggregate dimensions													Base plate	Coupling
Size	Frame size	B1	B2	B3	G1	G2	G3	G4	G5 ¹⁾	L1	L2	L3	L5	øR1	SN 419	Diameter
4001	90L	240	330	290	197	65	38	132	280	710	115	480	50	19	1/240	110
	100L								287						2/240	
4002	100L	240	330	290	197	65	38	132	287	800	130	540	50	19	2/240	110
	112M								300							
4003	112M	270	360	320	197	65	38	132	300	900	150	600	50	19	3/270	110
	132S								320						3/300	
4004	132S	300	390	350	225	65	38	160	348	1000	170	660	50	19	4/300	135
	132M								348						4/300	
4005	132S	300	390	350	225	65	38	160	348	1000	170	660	50	19	5/300	135
	160M								410						5/380	
4006	132M	300	390	350	225	65	38	160	348	1120	190	740	50	19	5/300	135
	160M								410						6/380	
4007	132M	300	390	350	225	65	38	160	348	1250	205	840	50	19	6/300	135
	160M								410						6/380	
4008	160M	380	490	440	240	80	42	160	410	1400	230	940	65	24	7/380	135
	160L								410						7/380	

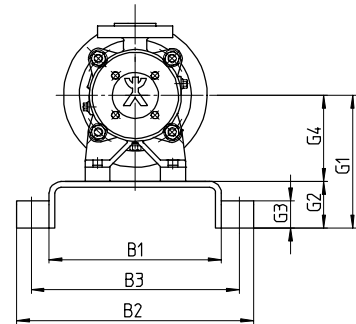
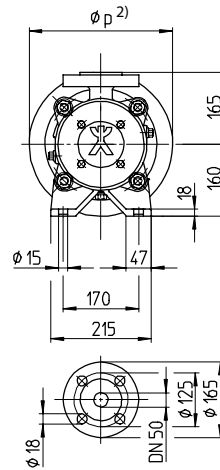
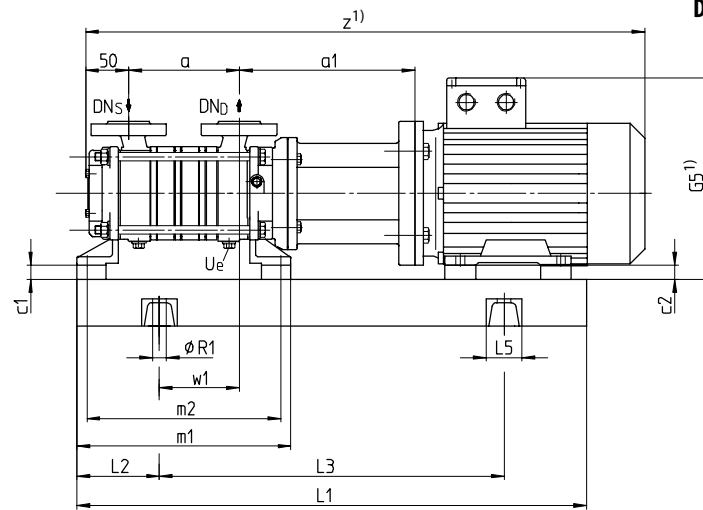
1) Dimensions depending on motor manufacturer 2) Motor flanges partly smaller/bigger than standard 3) 60 Hz on request 4) Weight depending on material and version

SK-50 - MK Aggregate dimensions

Flanges in acc. with
DIN EN 1092 PN 40

Connection

U _e	Drainage	G 1/4
----------------	----------	-------



Pump	Motor (50 Hz) ³⁾			Weight ⁴⁾ (Pump)		Aggregate dimensions													
Size	Frame size	[kW]	[HP]	[kg]	[lbs]	a	a1	c1	c2	m1	m2	øp ²⁾	w1	z ¹⁾					
5001	100L	3.0	4.0	132	291	175	319	0	60	369	331	300	142	847					
	112M	4.0	5.4	138	304				48					864					
	132S	5.5	7.4	154	340				28					122	949				
5002	132S	5.5	7.4	159	351	250	319	0	28	444	406	300	177	1024					
	132M	7.5	10.1	172	379				0					1136					
	160M	11.0	14.8	201	443				28					1099					
5003	132M	7.5	10.1	177	390	325	319	0	0	519	481	300	232	1211					
	160M	11.0	14.8	215	474				0					292	1363				
	160L	15.0	20.1	230	507				30					30	594	556	350	267	1438
5004	160M	11.0	14.8	225	496	400	396	30	30	594	556	350	292	1363					
	160L	15.0	20.1	240	529										30	30	669	631	350
5005	160L	15.0	20.1	245	540	475	396	30	10	669	631	350	342	1499					
	180M	18.5	24.8	303	668				30					30	744	706	350	377	1536
	180L	22.0	29.5	313	690				30					30	744	706	350	377	1574
5006	160L	15.0	20.1	250	551	550	396	30	30	744	706	350	377	1624					
	180M	18.5	24.8	308	679				40					0	1611				
	180L	22.0	29.5	318	701				30					10	819	781	350	452	1649
5007	180M	18.5	24.8	318	701	625	396	30	10	819	781	350	452	1699					
	180L	22.0	29.5	323	712				40					0	1724				
	200L	30.0	40.2	383	844				40					0	1774				
5008	180L	22.0	29.5	328	723	700	396	30	10	894	856	350	497	1774					
	200L	30.0	40.2	388	855				40					0	1774				

Pump	Motor	Aggregate dimensions													Base plate	Coupling
Size	Frame size	B1	B2	B3	G1	G2	G3	G4	G5 ¹⁾	L1	L2	L3	L5	øR1	SN 419	Diameter
5001	100L	270	360	320	225	65	38	160	315	800	130	540	50	19	2/270	135
	112M								328							
	132S								348							
5002	132S	300	390	350	225	65	38	160	348	1000	170	660	50	19	4/300	135
	132M								410							
	160M								348							
5003	132M	300	390	350	225	65	38	160	348	1120	190	740	50	19	5/300	135
	160M								410							
	160L								410							
5004	160M	380	490	440	270	80	42	190	440	1250	205	840	65	24	6/380	165
	160L								1400	230	940	7/380				
	160L								440	1400	230	940			7/380	
5005	180M	430	540	490	270	80	42	190	504	1400	230	940	65	24	7/430	165
	180L								440							
	180L								440							
5006	160L	380	490	440	270	80	42	190	504	1600	270	1060	65	24	8/380	165
	180M								504							
	180L								504							
5007	200L	430	540	490	270	80	42	190	514	1600	270	1060	65	24	8/480	165
	180M								504							
	180L								504							
5008	200L	430	540	490	270	80	42	190	514	1800	300	1200	65	24	9/430	165
	180L								504							
	200L								514							

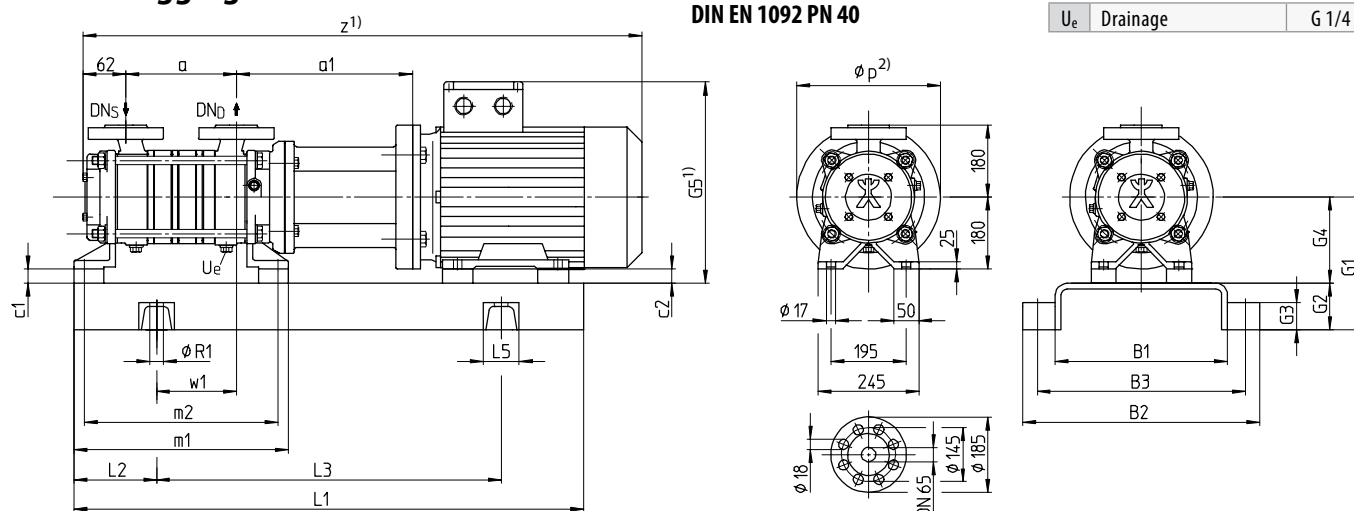
11) Dimensions depending on motor manufacturer 12) Motor flanges partly smaller/bigger than standard 13) 60 Hz on request 14) Weight depending on material and version

SK-65 - MK Aggregate dimensions

Flanges in acc. with
DIN EN 1092 PN 40

Connection

U _e	Drainage	G 1/4
----------------	----------	-------



Pump	Motor (50 Hz) ³⁾			Weight ⁴⁾ (Pump)		Aggregate dimensions									
Size	Frame size	[kW]	[HP]	[kg]	[lbs]	a	a1	c1	c2	m1	m2	Øp ²⁾	w1	z ¹⁾	
6501	132S	5.5	7.4	194	428	195	350	10	58	412	369	350	134	1012	
	132M	7.5	10.1	207	456										
6502	160M	11.0	14.8	245	540	285	350	10	30	502	459	350	204	1214	
	160L	15.0	20.1	260	573										
6503	180M	18.5	24.8	318	701	375	350	10	10	592	549	350	279	1327	
	180L	22.0	29.5	328	723									1365	

Pump	Motor	Aggregate dimensions													Base plate	Coupling
Size	Frame size	B1	B2	B3	G1	G2	G3	G4	G5 ¹⁾	L1	L2	L3	L5	ØR1	SN 419	Diameter
6501	132S	300	390	350	255	65	38	190	378	1000	170	660	50	19	4/300	135
	132M															
6502	160M	380	490	440	270	80	42	190	440	1120	190	740	65	24	5/380	135
	160L															
6503	180M	430	540	490	270	80	42	190	504	1250	205	840	65	24	6/430	165
	180L															

Technical and physical references

Vapour pressure p_D of various liquids

Temperature	Ethan	Acetone	Ammonia	Ethylalcohol	n-Butane	i-Butane	Aniline	Ether	Formic acid	Ethanoic acid	n-Propane	Methyl alcohol	Sulfur dioxide	Carbon disulfide	Toluol	Water
t [°C]	Vapour pressure p_D in [bar]															
-40	7.776		0.0718		0.179			0.0255			1.115		0.2157			
-30	10.65	0.0149	1.195		0.294	0.483		0.05			1.672		0.3805	0.0335		
-20	14.23	0.0293	1.902		0.469	0.748		0.0883			2.423		0.6355	0.0609		
-10	18.59	0.0516	2.909		0.691	1.103		0.15			3.405		1.014	0.1047		
0	23.75	0.0856	4.294	0.0159	1.039	1.613		2.247		0.0044	4.684	0.0381	1.554	0.1697		0.00611
10	30.16	0.1542	6.149	0.0306	1.5	2.201		0.389	0.0245	0.0085	6.339	0.0699	2.302	0.2648	0.017	0.01227
20	37.75	0.246	8.572	0.0568	2.069	3.119		0.589	0.0419	0.0156	8.334	0.1227	3.305	0.3996	0.0298	0.02337
30	47.07	0.377	11.67	0.1008	2.824	4.232		0.864	0.0688	0.0275	10.807	0.2068	4.618	0.5848	0.0489	0.04241
40		0.562	15.54	0.1722	3.765	5.609		12.28	0.1097	0.0464	13.739	0.336	6.303	0.8306	0.0784	0.07375
50		0.817	20.33	0.2836	4.98	7.257	0.00319	1.702	0.1696	0.0754	17.269	0.5283	8.417	1.1466	0.121	0.12335
60		1.118		0.4519	6.37	9.267	0.0075	2.306	0.2549	0.1186	20.89	0.8095		1.549	0.1863	0.1992
70		1.55		0.6979	8.14	11.719	0.0139	3.061	0.3733	0.1812	25.79	1.1954			0.2689	0.3116
80		2.08		1.047	10.198		0.0239	3.991	0.533	0.269	31.38	1.7298		2.6998	0.3818	0.4736
90		2.76		1.531	12.55		0.0389	5.121	0.7439	0.3915	36.579	2.445			0.5369	0.7011
100		3.599		2.184	15.396		0.0609	6.478	1.0159	0.556		3.384		4.333	0.7354	1.0133
120		5.89		4.159	21.77		0.0922	9.992		1.059		6.131		4.999	1.267	1.9854
140		9.149		29.52			0.1327	14.768		1.885				10.399	2.2457	3.614

Atmospheric pressure depending on sea level

Height over sea level	[m]	0	100	200	300	500	700	1000	1500	2000
Atmospheric pressure	[mbar]	1033	1020	1008	997	973	950	920	860	810

D Germany

Deutschland Ost
Huckauf Ingenieure GmbH
Auerswalder Hauptstraße 2
09244 Lichtenau
Tel.: +(49) 37208 660 80
Fax: +(49) 37208 660 77
info@huckauf.de
www.huckauf.de

Berlin
Huckauf Ingenieure GmbH
Fontanepromenade 17
10967 Berlin
Tel.: +(49) 30 890 959 92
Fax: +(49) 30 890 959 91
info@huckauf.de
www.huckauf.de

Norddeutschland
Ingenieure Willy Wandrach GmbH
Flurstraße 105
22549 Hamburg
Tel.: +(49) 40 398 624 0
Fax: +(49) 40 398 624 28
info@speck-nord.de
www.speck-nord.de

Hannover, Kassel
IVT – Pumpen GmbH
Zum Wischfeld 1A
31749 Auetal
Tel.: +(49) 5752 929 597
Fax: +(49) 5752 929 599
Mobile: +(49) 172 511 699 9
info@ivt-pumpen.de
www.ivt-pumpen.de

Köln
Huckauf Ingenieure GmbH
Grillenpfad 28
40764 Langenfeld
Tel.: +(49) 2173 914 560
Fax: +(49) 2173 914 588
info@huckauf.de
www.huckauf.de

Bayern, Baden-Württemberg
Speck Pumpen
VERKAUFSGESSELLSCHAFT GmbH
Hauptstraße 1 – 3
91233 Neunkirchen a. Sand
Tel.: +(49) 9123 949 – 0
Fax: +(49) 9123 949 – 260
info@speck-pumps.com
www.speck-pumps.com

Service

Deutschland Mitte
FSE Fluid Systems Erfurt
Poeler Weg 6
99085 Erfurt
Tel.: +(49) 361 550 715 0
Fax: +(49) 361 550 715 19
info@fluidsystems.org
www.fluidsystems.org

Köln
Arpuma GmbH
Sonnenhang 33
50127 Bergheim
Tel.: +(49) 2271 837 70
Fax: +(49) 2271 837 720
info@arpuma.de
www.arpuma.de

International

A Austria
Tuma Pumpensysteme GmbH
Eitnergasse 12
1230 Wien
Tel.: +(43) 191 493 40
Fax: +(43) 191 414 46
contact@tumpumpen.at
www.tumpumpen.at

AUS Australia
Pump Solutions Australasia
Unit 1
7 Bessmer Way
Wangara, WA 6065
P.O. Box 1811
Wangara DC, WA 6947
Tel.: +(61) 8 9408 1544
Fax: +(61) 8 9408 1644
mike@pumpsolutions.com.au
www.pumpsolutions.com.au

Pump Systems Australia
Factory 2
21 London Drive
Bayswater / Melbourne
Victoria 3153
Tel.: +(61) 397 623 100
Fax: +(61) 397 623 188
sales@pumpsystemsaustralia.com.au

B Belgium

Heat transfer pumps / Pompes pour fluid thermique
FLOWMOTION BVBA
Mergelweg 3
1730 Asse
Tel.: +(32) 2 309 67 13
Fax: +(32) 2 309 69 13
info@flowmotion.be
www.flowmotion.be

SPECK - Pompen België N.V.
Bierweg 24
9880 Aalter
Tel.: +(32) 937 530 39
Fax: +(32) 932 500 17
info@speckpompen.be
www.speckpompen.be

BG Bulgaria

EVROTECH OOD
54 A, Manastirska Str.
1111 Sofia
Tel.: +(359) 2 971 32 73
Fax: +(359) 2 971 22 88
office@evrotech.com
www.evrotech.com

CH Switzerland

Speck Pumpen Subsidiary
Speck Pumpen Industrie GmbH
Bürglenweg 4
8854 Galgenen
Tel.: +(41) 554 425 094
Fax: +(41) 554 425 094
info@speckswitzerland.com
www.speckswitzerland.com

Sales and Service

HänyTec AG
Gschwäbring 19
6244 Nebikon
Tel.: +(41) (62) 544 33 00
Fax: +(41) (62) 544 33 10
contact@haenytex.ch
www.haenytex.ch

Service

MEYER ARMATUREN PUMPEN GMBH
Rigackerstrasse 19
5610 Wohlen
Tel.: +(41) 56 622 77 33
Fax: +(41) 56 622 77 60
info@meyer-armaturen.ch
www.meyer-armaturen.ch

CN China

Speck Pumpen Subsidiary
Jiashan SPECK PUMPS
Systemtechnik Ltd.
No. 57, Hong Qiao Rd.,
No. 4 Economical Developing Zone,
314100 Jiashan Xian,
Zhejiang Province
Tel.: +(86) 573 847 312 98
Fax: +(86) 573 847 312 88
steveche@speck-pumps.cn
www.speck-pumps.cn

CZ Czech Republic
Sigmet spol. s r.o.
Kosmonautů c.p. 1085/6
77200 Olomouc
Tel.: +(420) 585 231 070
Fax: +(420) 585 227 072
sigmet@sigmet.cz
www.sigmet.cz

DK Denmark

Pumpegrupper a/s
Lundtoftegårdsvej 95
2800 Lyngby
Tel.: +(45) 459 371 00
Fax: +(45) 459 347 55
info@pumpegrupper.dk
www.pumpegrupper.dk

E Spain

Speck Pumpen Subsidiary
SPECK BOMBAS INDUSTRIALES, S.L.U.
Trafalgar, 53 despacho 6
Centro de Negocios CNAF
46023 Valencia
Tel.: +(34) 963 811 094
Fax: +(34) 963 811 096
Mobile: +(34) 618 376 241
speck-spain@terra.com
www.speck.de

F France

Speck Pumpen Subsidiary
Speck Pompes Industries S.A.
Z.I. Parc d'Activités du Ried
4, rue de l'Énergie
B.P. 227
67727 Hoerdt Cedex
Tel.: +(33) 3 88 68 26 60
Fax: +(33) 3 88 68 16 86
info@speckpi.fr

GB Great Britain

Speck Pumpen ABC Ltd
Areena House
Moston Road,
Elworth, Sandbach
Cheshire CW11 3HL
Tel.: +(44) 844 764 063 2
Fax: +(44) 844 764 063 4
admin@speck-abc.com
www.speck-abc.com

GR Greece

SPECK Hellas
Salaminos St. 54
17676 Kalithea
Tel.: +(30) 210 956 500 6
Fax: +(30) 210 957 747 3
speck.chatzigeorgopoulos@on.gr
www.chatzigeorgopoulos.com

I Italy

Centrifugal pumps / Pompe centrifughe
Klaus Union Pompe e Valvole S.r.l.
Via Piave, 17
20027 Rescaldina (MI)
Tel.: +(39) 033 157 982 3
Fax: +(39) 033 157 982 5
info@klausunion.it
www.klausunion.it

Vacuum pumps / Pompe per vuoto
Rio Nanta S.r.l.
Via Mauro Macchi, 42
20124 Milano
Tel.: +(39) 028 940 642 1
Fax: +(39) 028 323 913
Mobile: +(39) 339 658 781 6
rionanta@rionanta.it
www.rionanta.it

IL Israel

Ambi-Tech
Electronics Engineering Ltd.,
20 Ta'as st.,
Industrial Area, Kfar-Saba
P.O. Box 50
Kfar-Saba 44425
Tel.: +(972) 976 775 00
Fax: +(972) 976 774 00
Arie.Weiss@PWeiss.dg.com
www.pweiss.co.il

Small pumps / heat transfer pumps:
Ringel Brothers (1973) Ltd.
134 Hertzel St.
P.O. Box 5148
Tel-Aviv 66555
Tel.: +(972) 368 255 05
Fax: +(972) 368 220 41
Mobile: +(972) 544 623 095
mringel@ringel-bros.co.il
www.ringel-bros.co.il

IND India

Flux Pumps India Pvt. Ltd.
427/A-2, Gultekdi Industrial Estate
Near Prabhat Printing Press
Pune – 411 047, Maharashtra
Tel.: +(91) 020 2427 1023
Fax: +(91) 020 2427 0689
Mobile: +(91) 98504 031 14
kiran.kadam@flux-pumps.in
www.flux-pumps.in

J Japan

Rodateq, Inc.
Suite 301 Oka Bldg.
2-1-16 Kiyomachibori, Nishiku
550 – 0003 Osaka
Tel.: +(81) 664 441 940
Fax: +(81) 664 449 050
info@rodeteq.co.jp
www.rodeteq.co.jp

Rodateq, Inc.
Tokyo Branch
No. 408, 3-22-12
Highashi Ikebukuro, Toshima – ku
170-0013 Tokyo
Tel.: +(81) 359 798 818
Fax: +(81) 359 798 817
roda-te@yo.rim.or.jp
www.rodeteq.co.jp

L Luxembourg

Heat transfer pumps / Pompes pour fluid thermique
FLOWMOTION BVBA
Mergelweg 3
1730 Asse
Tel.: +(32) 2 309 67 13
Fax: +(32) 2 309 69 13
info@flowmotion.be
www.flowmotion.be

Leesonmech
Engineering (M) Sdn. Bhd.
No. 18 Jalan 18, Taman Sri Kluang,
86000 Kluang, Johor
Tel.: +(607) 777 105 5
Fax: +(607) 777 106 6
sales@leesonmech.com
www.leesonmech.com

N Norway

Ing. Per Gjerdrum A/S
P.O. Box 154
Nye Vakassei 28
1360 Nesbru
Tel.: +(47) 667 756 00
Fax: +(47) 667 756 01
Pg-pumps@pergjerdrum.no
www.pg-marinegroup.com

NL Netherlands

Centrifugal pumps / Centrifugaalpompen
SPECK - Pompen Nederland B.V.
Majoraan 5
6942 SB DIDAM
Tel.: +(31) 316 331 757
Fax: +(31) 316 528 618
info@speck.nl
www.speck.nl

Vacuum pumps / Vacuümpompen
DOVAC B.V.
Meer en Duin 228
2163 HD Lisse
Tel.: +(31) 252 423 363
Fax: +(31) 252 417 946
info@dovac.nl
www.dovac.nl

Heat transfer pumps / Pompes pour fluid thermique
FLOWMOTION BVBA
Mergelweg 3
1730 Asse
Tel.: +(32) 2 309 67 13
Fax: +(32) 2 309 69 13
info@flowmotion.be
www.flowmotion.be

NZ New Zealand

MacEwans Pumping Systems Ltd.
19 Ride Way
North Harbour Industrial Estate
Tel.: +(64) 941 548 60
Fax: +(64) 941 548 68
pumps-ak@macewans.co.nz
www.macewans.co.nz

P Portugal

Ultra Controlo
Projectos Industriais, Lda.
Quinta Lavi – Armazém 8
Abrunheira
27 10 - 089 Sintra
Tel.: +(351) 219 154 350
Fax: +(351) 219 259 002
info@ultra-controlo.com
www.ultra-controlo.com

PL Poland

E.A. Krupinski Elzbieta Krupinska
ul. Przymiarki 4A
31-764 Krakow
Tel.: +(48) 126 455 684
biuro@krupinski.krakow.pl
www.krupinski.krakow.pl

RC Taiwan

Speck Pumpen Subsidiary
Speck Pumps Technology Taiwan Ltd.
2FL, no. 153, Sec. 2
Datong Rd., Xizhi District
New Taipei City
Tel.: +(886) 286 926 220
Fax: +(886) 286 926 759
Mobile: +(886) 936 120 952
speck886@ms32.hinet.net
www.speck-pumps.com.tw

W Chile

W & F Ingeniería Y Maquinas S.A.
Feliz de Arnesti 90, Piso 6
Las Condes, Santiago
Tel.: +(56) 220 629 43
Fax: +(56) 220 630 39
rwender@tie.cl

RI Indonesia

PT Roda Rollen Indonesia
Kompleks Pertokoan Glodok
Jaya No. 30
Jl. Hayam Wuruk,
Jakarta - Pusat
Indonesia, 11180
Tel.: +(6221) 659 922 528
Fax: +(6221) 380 595 9
rudy@rodarollenindonesia.com

ROK Korea

J.C. International Inc.
2F, Bikeum Bldg. 108,
Yangpyeong-Ro, Mapo-Gu,
121-893 Seoul
Tel.: +(82) 232 628 00
Fax: +(82) 232 569 09
jclee@jicint.co.kr
www.jicint.co.kr

RO Romania

S.C. Gimsid S.R.L.
Str. Arcului nr. 9, Arp.2
021031 Bucuresti
Tel.: +(40) 21 2118701
Fax: +(40) 21 2102675
gimsid@gimsid.ro
www.gimsid.ro

RUS Russia

Klaus Union
Evgeny Gorchilin
Trofimova street, 18a
Trofimova street, 15 post box 60
Moscow 115432
Tel.: +(7) 495 679 409 0
gorchilin@klaus-union.ru
www.klaus-union.ru

S Sweden

Hugo Tillquist AB
P.O. Box 1120
16422 Kista
Tel.: +(46) 859 463 200
Fax: +(46) 875 136 95
info@tillquist.com
www.tillquist.com

SK Slovakian Republic

→ Czech Republic (CZ)

SLO Slovenia

SLOTEH Branko Gabric s.p.
Zagrebška cesta 20
2000 Maribor
Tel.: +(38) 624 614 460
Fax: +(38) 624 614 465
branko.gabric@amis.net
www.sloteh.si

SGP Singapore

→ Malaysia (MAL)

T Thailand

Speck Pumpen Subsidiary
Pump Systems Flux & Speck Co. Ltd.
181/4 Soi Anamai
Srinakarin Road
Suanluang Bangkok 10250
Tel.: +(662) 320 256 7
Fax: +(662) 322 248 6
thienchai@fluxspeck.com
www.fluxspeck.com

TR Turkey

SPECK - Pompa
Sanayi ve Ticaret Ltd. Sti.
P.K. 41 Suadiye
81072 Istanbul
Tel.: +(90) 216 387 894 0
Fax: +(90) 216 387 982 9
speck@speckpompa.com.tr
www.speckpompa.com.tr

USA USA

SPECK Pumps
Pool Products
8125 Bayberry Road
Jacksonville, Florida 32256
Tel.: +(1) 904 739 262 6
Fax: +(1) 904 737 526 1
info.usa@speck-pumps.com
www.usa.speck-pumps.com

Heat transfer pumps with radial impeller:
Shanley Pump & Equipment, Inc.
2525 South Clearbrook Drive
Arlington Heights, IL 60005-4623
Tel.: +(1) (847) 439 - 9200
Fax: +(1) (847) 439 - 9388
contact@shanleypump.com
www.shanleypump.com

ZA Rep. South Africa

AQUAPUMP (Pty) Ltd.
Unit 54
APD Industrial park
Kelvin street
Kya Sand
Tel.: +(27) 117 080 600
Fax: +(27) 865 864 151
Mobile: +(27) 824 509 078
cliff@aquapump.co.za
www.aquapump.co.za

Edition

04/2014

replaces edition
11/2013



Speck Pumpen Walter Speck GmbH & Co. KG
Speck Pumpen Systemtechnik GmbH

Postfach 1453 · 91142 Roth / Germany
Regensburger Ring 6-8 · 91154 Roth / Germany

Tel.: +49 (91 71) 809 - 0
Fax: +49 (91 71) 809 - 10

info@speck.de
www.speck.de