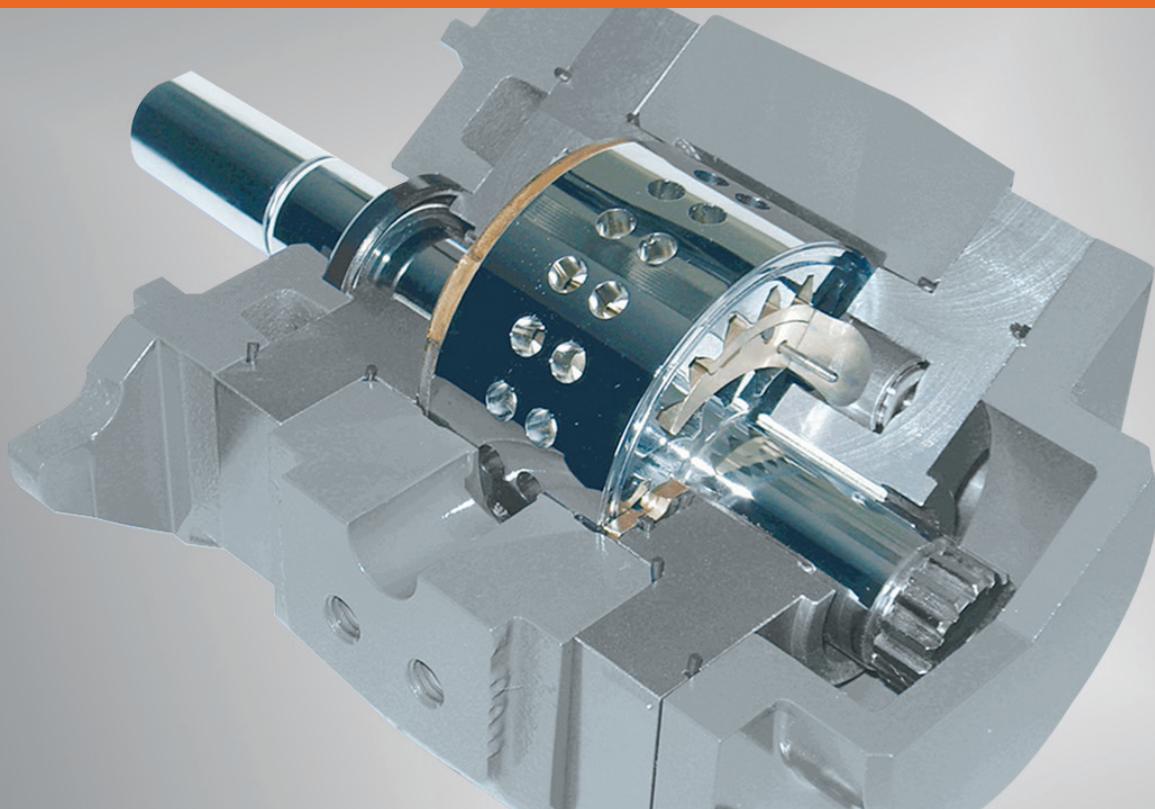


Industrial Components

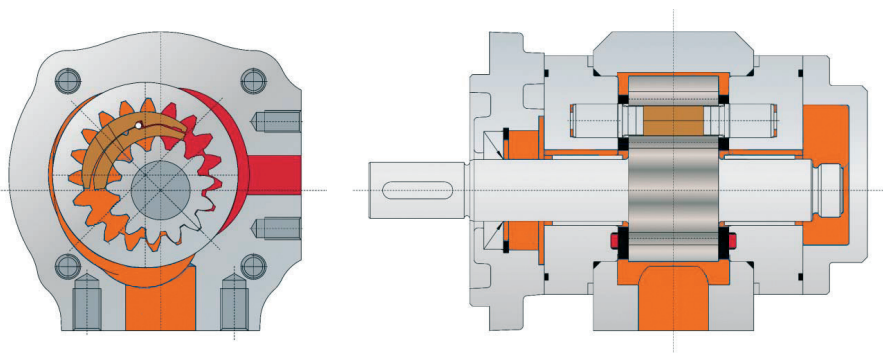
Internal gear pumps
DHPH2, DHPH3, DHPH5, DHPH6



Internal gear pump Type DHPH2 high pressure pump with constant displacement volume

Characteristics

- Internal gear pump with axial and radial gap compensation
- Radial compensation with segments
- Suction and pressure port radial
- Field of application: Industrial hydraulic
- Low noise
- Long time life
- Low pulsation (pressure pulsation ~2 %)
- Multi flow combinations



Technical Data:

Rated Size	004	005	006	008	011	013	016	019	022	025
Spec. volume Vth [cm³/rev]***	4,2	5,4	6,4	7,9	10,9	13,3	15,8	19,3	22,2	25,2
Continuous operating pressure [bar]**	330							300	250	250
Peak operating pressure [bar] max. 10 sec. 15% duty cycle**	350							300		280
Cut-in pressure peak [bar]**	400							325		300
Nominal speed [min ⁻¹]	400 – 3.600			400 – 3.400	400 – 3.200		400 – 3.000	400 – 2.500		400 – 2.300
Max. speed [min ⁻¹]	4.200			4.000				3.000		
Nominal speed [min ⁻¹]****								400 – 3.000		400 – 2.800
Max. speed [min ⁻¹]****								3.600		
Operating viscosity [mm²/s]	10 – 300									
Starting viscosity [mm²/s]	2.000									
Operating medium	HL – HLP DIN 51 524 Teil 1/2									
Max. medium temperature [°C]	80									
Min. medium temperature [°C]	-20									
Max. ambient temperature [°C]	80									
Min. ambient temperature [°C]	-20									
Max. admission pressure (intake side) [bar]	2 bar absolute									
Min. admission pressure (intake side) [bar]	0,8 bar absolute (Start 0,6)									
Weight appr. [kg]	4,9	5,0	5,2	5,4	5,5	5,7	7,4	7,8	8	
Degree of filtration	Class 20/18/15 due to ISO 4406									
Life expectancy	not less than 1x 10 ⁷ load cycles against peak operating pressure									
Efficiency η vol:	88	91	92	93		94	95			
Efficiency η hm:	85	90		91	92		93			
Pump noise* (measured in sound chamber) dB[A]	53	54	55	57	58	59	60	61	62	63

n = 1.450 min⁻¹ Δp = 250 bar T = 50 °C Medium: HLP 46

* Measured in anechoic room, Axial microphone distance 1.0 m.

** For acceptable pressure at 400-1.800 rpm. Further rpm on request.

*** Due to manufacturing tolerances the displacement volume could vary.

**** 1 ½" suction port

The pumps have no corrosion protection.
The max. permissible values must not be applied
cumulatively. Please contact us.

Internal gear pump Type DHPH3 high pressure pump with constant displacement volume

Characteristics

The series DHPH were developed particularly for the high requirements of industrial hydraulics. Their favourable noise characteristic, extremely low delivery and pressure pulsation, outstanding efficiency within broad revolution and viscosity ranges, have firmly established gap-compensated high pressure internal gear pumps among high pressure pumps. Simple combinability to multiple pumps with separate or common inlet is given.

The DHPH is an established, gap-compensated internal gear pump well proved in the market and is specially advanced for the use of variable speed drives

Technical Data:

Rated Size	014	016	020	025	032	040	050	064
Spec. volume V _{th} [cm³/rev]**	14,6	16,0	20,0	24,8	32,1	40,1	50,3	64,6
Continuous operating pressure [bar]**	330					280		
Peak operating pressure [bar] max. 10 sec. 15% duty cycle**	350					300		
Cut-in pressure peak [bar]**	400					325		
Nominal speed [min ⁻¹]	400 – 3.600		400 – 3.400	400 – 3.200	400 – 3.000	400 – 2.500	400 – 1.800	
Max. speed [min ⁻¹]	4.000		3.400	3.200	3.000	2.500	1.800	
Nominal speed [min ⁻¹]****						400 – 3.200	400 – 3.000	400 – 2.200
Max. speed [min ⁻¹]****						3.600		2.500
Operating viscosity [mm²/s]	10 – 300							
Starting viscosity [mm²/s]	2.000							
Operating medium	HL – HLP DIN 51 524 Teil 1/2							
Max. medium temperature [°C]	80							
Min. medium temperature [°C]	-20							
Max. ambient temperature [°C]	80							
Min. ambient temperature [°C]	-20							
Max. admission pressure (intake side) [bar]	2 bar absolute							
Min. admission pressure (intake side) [bar]	0,8 bar absolute (Start 0,6)							
Weight appr. [kg]	9,4	10,1	10,5	11,2	12,0	15	17	18
Degree of filtration	Class 20/18/15 due to ISO 4406							
Life expectancy	not less than 1x 10 ⁷ load cycles against peak operating pressure							
Efficiency η vol:	91	92	93		94	95		
Efficiency η hm:	90		91	92		93		
Pump noise* (measured in sound chamber) dB[A]	60	61	62	63	64	65	66	

n = 1.450 min⁻¹ Δp = 250 bar T = 50 °C Medium: HLP 46

* Measured in anechoic room; Axial microphone distance 1.0 m.

** For acceptable pressure at 400-1.800 rpm. Further rpm on request.

*** Due to manufacturing tolerances the displacement volume could vary.

**** 2" suction port

The pumps have no corrosion protection.

The max. permissible values must not be applied cumulatively. Please contact us.

Internal gear pump Type DPH5 high pressure pump with constant displacement volume

Technical Data:

Rated Size	064	080	100
Spec. volume V _{th} [cm ³ /rev] ^{***}	65,3	80,4	100,5
Continuous operating pressure [bar] ^{**}	280		
Peak operating pressure [bar] max. 10sec 15% duty cycle ^{**}	290		
Cut-in pressure peak [bar] ^{**}	300		
Nominal speed [rpm]	100 – 2.800		100 – 2.500
Max. speed [rpm]	3.000		
Operating viscosity [mm ² /s]	10 – 300		
Starting viscosity [mm ² /s]	2.000		
Operating medium	HL – HLP DIN 51 524 Teil 1/2		
Max. medium temperature [°C]	80		
Min. medium temperatur [°C]	-20		
Max. ambient temperature [°C]	80		
Min. ambient temperature [°C]	-20		
Max. admission pressure (intake side) [bar]	2 bar absolute		
Min. admission pressure (intake side) [bar]	0,8 bar absolute (Start 0,6)		
Weight appr. [kg]:	15,3	17,5	18,7
Degree of filtration	Class 20/18/15 due to ISO 4406		
Life expectancy	not less than 1x 10 ⁷ load cycles against peak operating pressure		
Efficiency η vol:	94	95	95
Efficiency η hm:	92	93	93
Pump noise* (measured in sound chamber) dB[A]	69	70	71

n = 1.450 min⁻¹ Δp = 250 bar T = 50 °C Medium: HLP 46

* Measured in anechoic room, Axial microphone distance 1.0 m

** For acceptable pressure at 400-1.800 rpm. Further rpm on request.

*** Due to manufacturing tolerances the displacement volume could vary.

**** 1 ½" suction port.

The pumps have no corrosion protection.
The max. permissible values must not be applied cumulatively. Please contact us.

Internal gear pump Type DPH6 high pressure pump with constant displacement volume

Technical Data:

Rated Size	040	050	064	080	100	125	160	200	250
Spec. volume Vth [cm3/rev]***	40,8	50,6	65,3	80,0	101,2	125,7	160,1	200,9	249,9
Continuous operating pressure [bar]**	330		315	300		250		160	140
Peak operating pressure [bar] max. 10sec 15% duty cycle**	340		330			280		170	150
Cut-in pressure peak [bar]**	350		340			300		180	160
Nominal speed [rpm]	400 – 2.200			400 – 2.000			400 – 1.800		
Max. speed [rpm]	2.400			2.200			2.000		
Operating viscosity [mm²/s]	10 – 300								
Starting viscosity [mm2/s]	2.000								
Operating medium	HL – HLP DIN 51 524 Teil 1/2								
Max. medium temperature [°C]	80								
Min. medium temperatur [°C]	-20								
Max. ambient temperature [°C]	80								
Min. ambient temperature [°C]	-20								
Max. admission pressure (intake side) [bar]	2 bar absolute								
Min. admission pressure (intake side) [bar]	0,8 bar absolute (Start 0,6)								
Weight appr. [kg]:	31	32	34	36	39	42	46	51	58
Degree of filtration	Class 20/18/15 due to ISO 4406								
Life expectancy	not less than 1x 10 ⁷ load cycles against peak operating pressure								
Efficiency η vol:	93		94		95		96		
Efficiency η hm:	89			90			91		
Pump noise* (measured in sound chamber) dB[A]	72	73	74	75	76		77		78

n = 1.450 min⁻¹ Δp = 250 bar T = 50 °C Medium: HLP 46

* Measured in anechoic room; Axial microphone distance 1.0 m

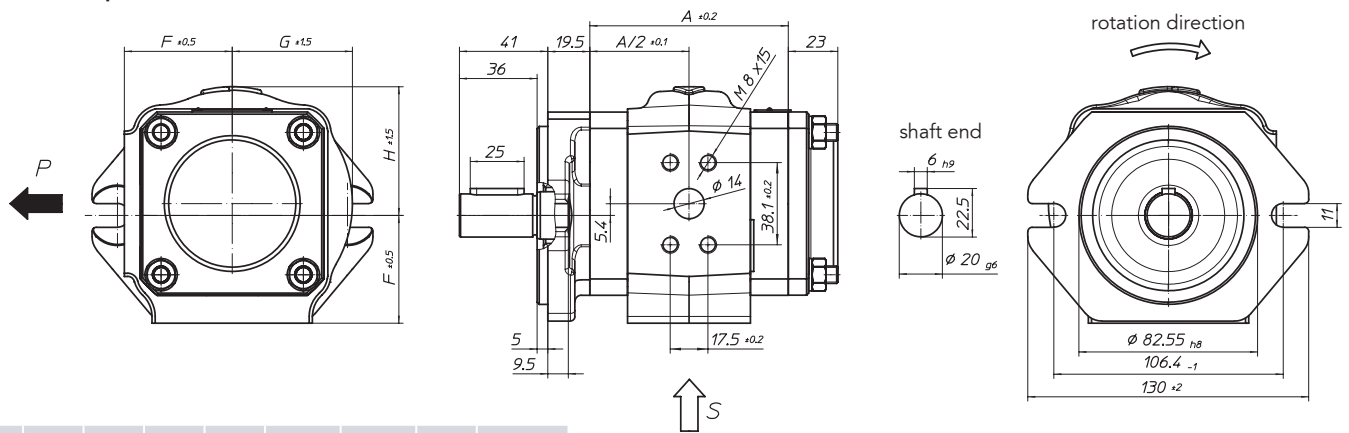
** For acceptable pressure at 400-1.800 rpm. Further rpm on request.

*** Due to manufacturing tolerances the displacement volume could vary.

**** 1 ½" suction port.

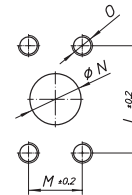
The pumps have no corrosion protection.
The max. permissible values must not be applied cumulatively. Please contact us.

Pump with SAE-A-2-hole flange and cylindrical shaft
Order example: DHPH2-__RK03-1X

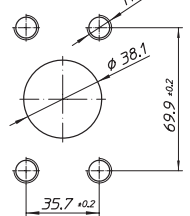


Size	A	F	G	H	L	M	N	O
004	71	50	55	59	38,1	17,5	14	M8x15
005	71	50	55	59	38,1	17,5	14	M8x15
006	73	50	55	59	47,5	22	19	M10x16
008	76	50	55	59	47,5	22	19	M10x17
011	82	50	55	59	52,4	26,2	25	M10x17
013	87	50	55	60	52,4	26,2	25	M10x17
016	92	50	55	60	52,4	26,2	25	M10x17
019	99	55	61	65	52,4	26,2	25	M10x17
022	105	55	61	65	52,4	26,2	25	M10x17
025	111	55	61	65	52,4	26,2	25	M10x17

suction port

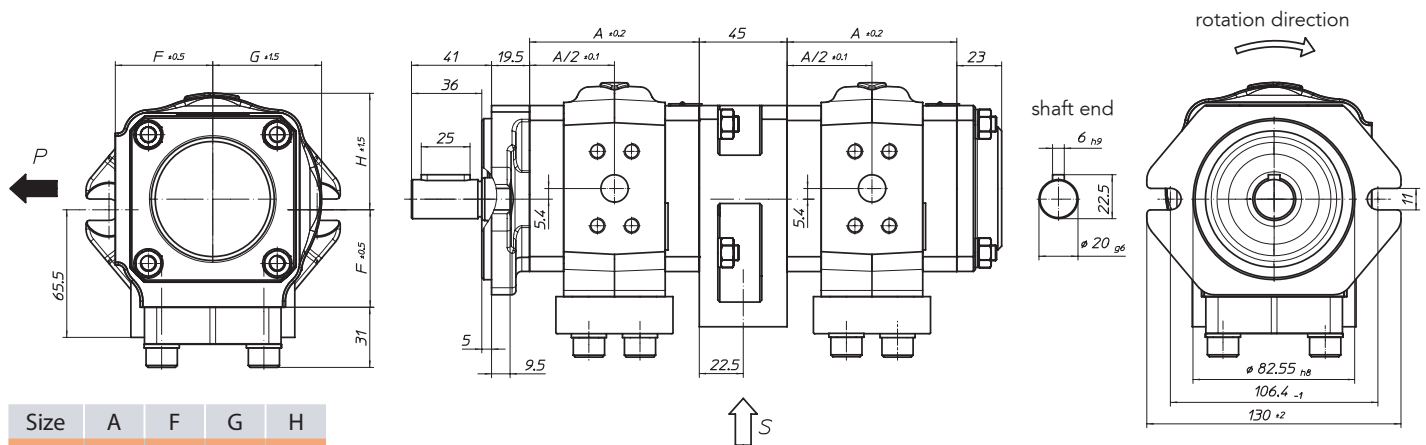


enlarged suction port*



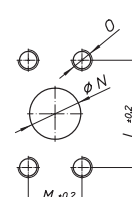
* is suitable for speed controlled drive applications
(available only for sizes 019, 022, 025)

Double pump with SAE-A-2-hole flange and cylindrical shaft
Order example: DHPH2-__RK00-1X+ und DHPH2-__RP30-1X

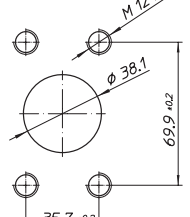


Size	A	F	G	H
004	71	50	55	59
005	71	50	55	59
006	73	50	55	59
008	76	50	55	59
011	82	50	55	59
013	87	50	55	60
016	92	50	55	60
019	99	55	61	65
022	105	55	61	65
025	111	55	61	65

suction port



enlarged suction port*

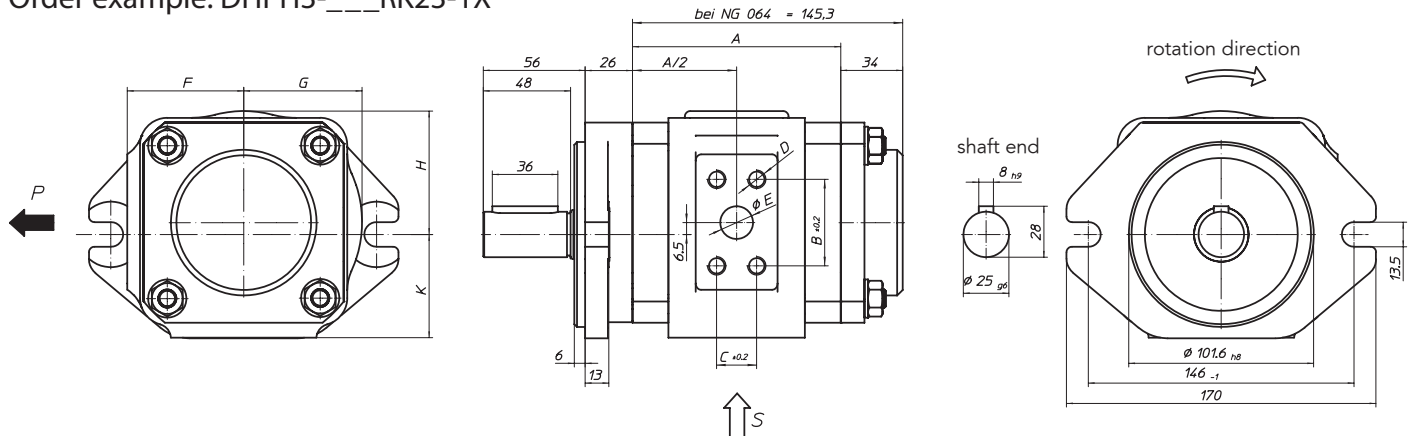


* is suitable for speed controlled drive applications
(available only for sizes 019, 022, 025)

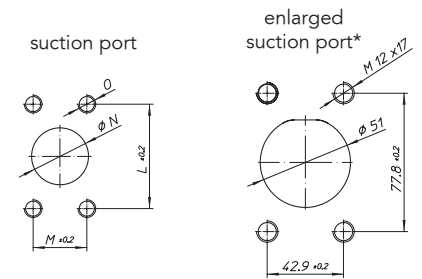
Pressure connections see single pumps

Dimensions DHPH3

Pump with SAE-B-2-hole flange and cylindrical shaft
Order example: DHPH3-___RK23-1X

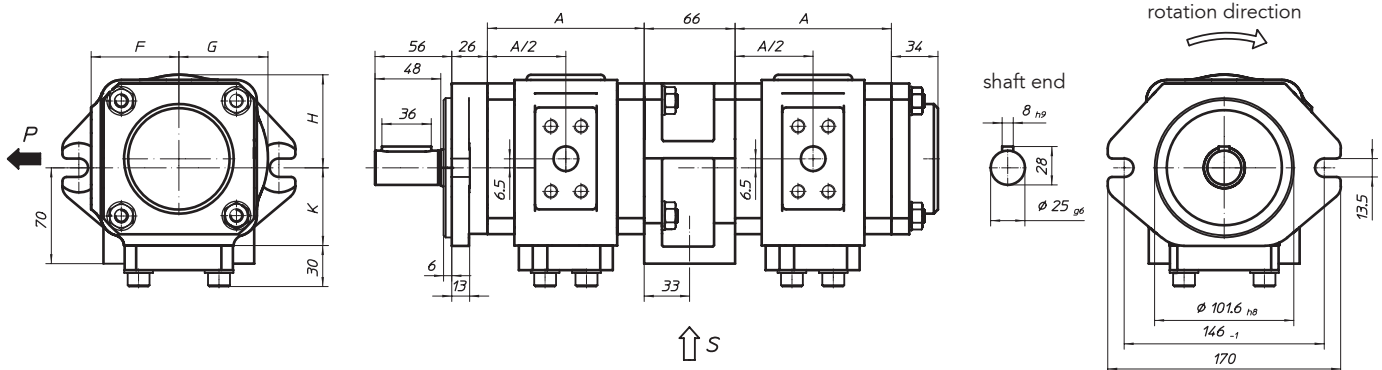


Size	A	B	C	D	E	F	G	H	K	L	M	N	O
014	90,4	38,1	17,5	M8x15	14	64	65	67	57	52,4	26,2	25	M10x17
016	92,4	38,1	17,5	M8x15	14	64	65	67	57	52,4	26,2	25	M10x17
020	97,9	47,5	22	M10x17	18	64	65	67	57	58,7	30,2	32	M10x17
025	104,4	47,5	22	M10x17	18	64	65	67	57	58,7	30,2	32	M10x17
032	114,4	47,5	22	M10x17	18	64	65	67	57	58,7	30,2	32	M10x17
040	125,4	52,4	26,2	M10x17	20	70	73	79	63	58,7	30,2	32	M10x20
050	139,4	52,4	26,2	M10x17	20	70	73	79	63	58,7	30,2	32	M10x20
064		52,4	26,2	M10x17	20	70	73	79	63	58,7	30,2	32	M10x20



* is suitable for speed controlled drive applications
(available only for sizes 040, 050, 064)

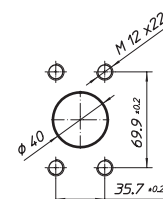
Double pump with SAE-B-2-hole flange and cylindrical shaft
Order example: DHPH3-___RK20-1X+ und DHPH3-___RP30-1X



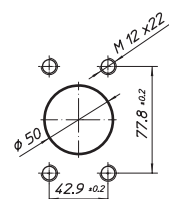
Size	A	F	G	H	K
014	90,4	64	65	67	57
016	92,4	64	65	67	57
020	97,9	64	65	67	57
025	104,4	64	65	67	57
032	114,4	64	65	67	57
040	125,4	70	73	79	63
050	139,4	70	73	79	63

common suction port

size 014-032



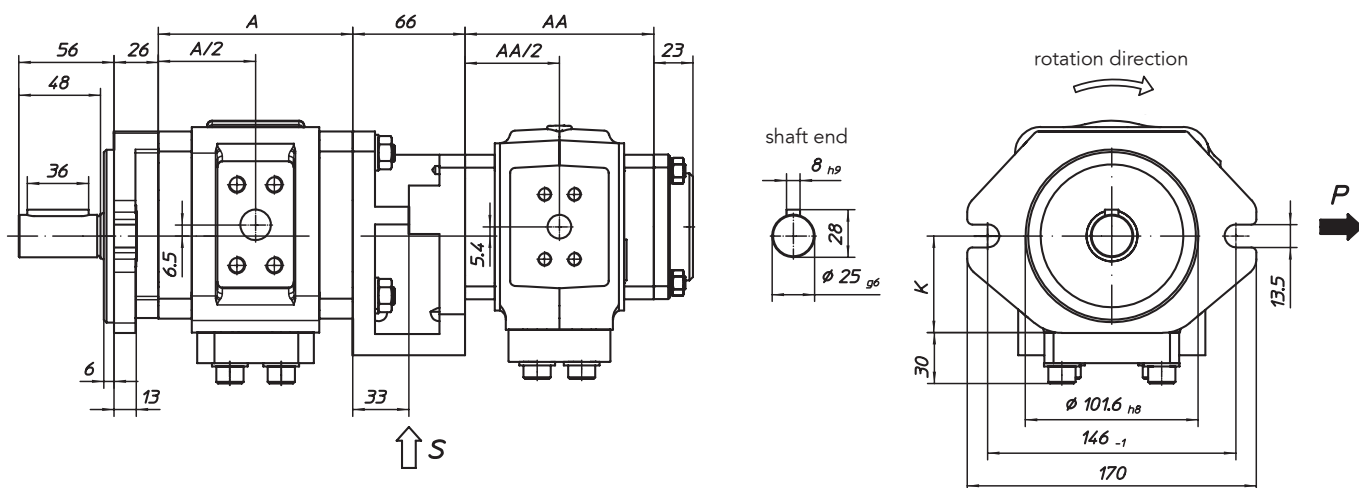
size 040-050



Pressure connections see single pump

Double pump with SAE-B-2-hole flange and cylindrical shaft

Order example: DPH3-___RK20-1X+ und DPH2-___RP30-1X

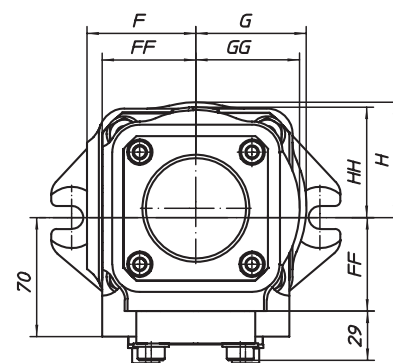


DHPH3

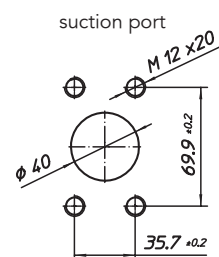
Size	A	F	G	H	K
014	90,4	64	65	67	57
016	92,4	64	65	67	57
020	97,9	64	65	67	57
025	104,4	64	65	67	57
032	114,4	64	65	67	57
040	125,4	70	73	79	63
050	139,4	70	73	79	63

DHPH2

Size	AA	FF	GG	HH
004	71	50	55	59
005	71	50	55	59
006	73	50	55	59
008	76	50	55	59
011	82	50	55	59
013	87	50	55	60
016	92	50	55	60
019	99	55	61	65
022	105	55	61	65
025	111	55	61	65

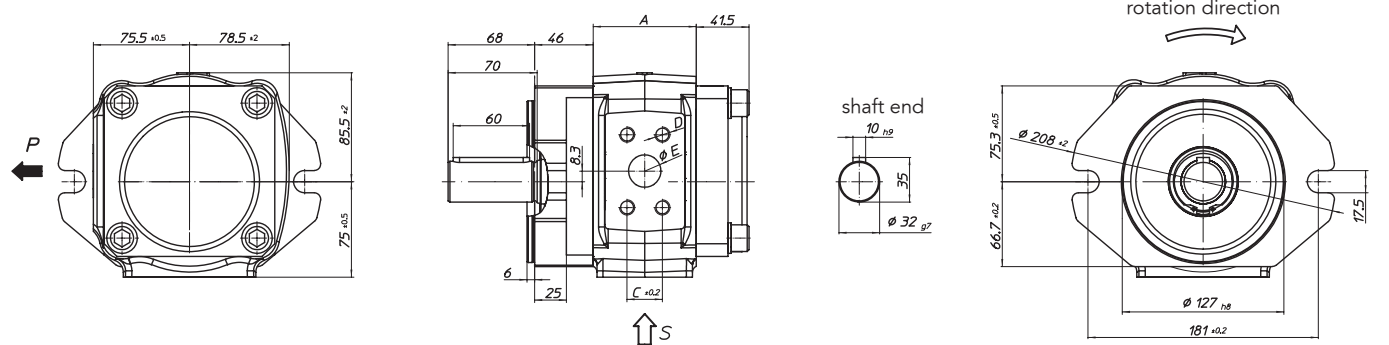


Pressure connections see single pumps



The single pumps of a multiple pump assembly are internally connected, even if you connect to the pump inlet. It is therefore no operating with different fluids possible.

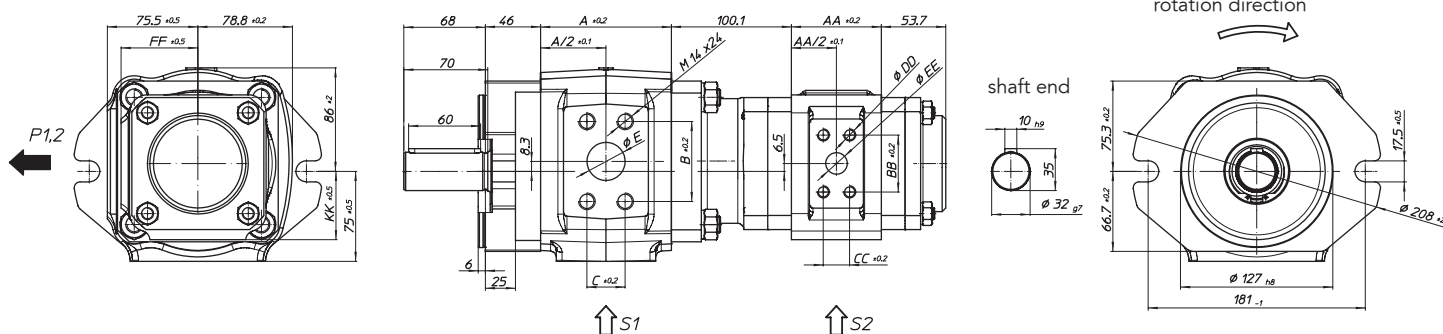
Pump with SAE-C-2-hole flange and cylindrical shaft
Order example: DHPH5-___RA23-1X



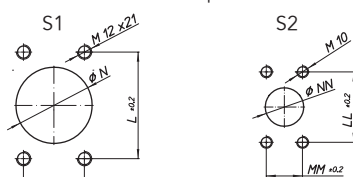
Size	A	B	C	D	E	L	M	N
064	81	57,2*	27,8*	M12x22	25,4	77,8	42,9	51
080	93	66,7*	31,8*	M14x24	31,75	77,8	42,9	51
100	109	66,7*	31,8*	M14x24	31,75	88,9	50,8	63,5

* Pressure port: SAE 518C, high pressure series (code 62)

Double pump with SAE-C-2-hole flange and cylindrical shaft
Order example: DHPH5-___SK23-1X+ und DHPH3-___RP33-1X



suction port S



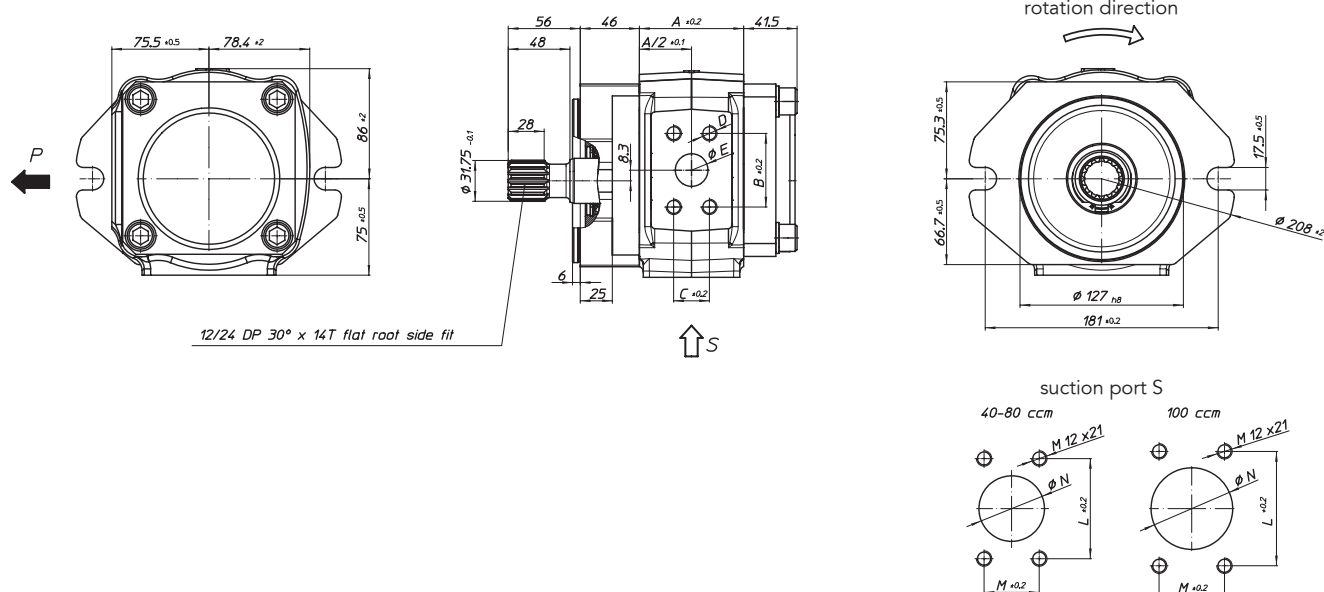
DHPH5

Size	A	B	C	D	E	L	M	N
064	81	57,2	27,8	M12x22	25,4	77,8	42,9	51
080	93	66,7	31,8	M14x24	31,75	77,8	42,9	51
100	109	66,7	31,8	M14x24	31,75	88,9	50,8	63,5

DHPH3

Size	AA	BB	CC	DD	EE	FF	KK	LL	MM	NN
014	90,4	38,1	17,5	M8	14	64	57	52,4	26,2	25
016	92,4	38,1	17,5	M8	14	64	57	52,4	26,2	25
020	97,9	47,5	22	M10	18	64	57	58,7	30,2	32
025	104,4	47,5	22	M10	18	64	57	58,7	30,2	32
032	114,4	47,5	22	M10	18	64	57	58,7	30,2	32
040	125,4	52,4	26,2	M10	20	70	63	58,7	30,2	32
050	139,4	52,4	26,2	M10	20	70	63	58,7	30,2	32

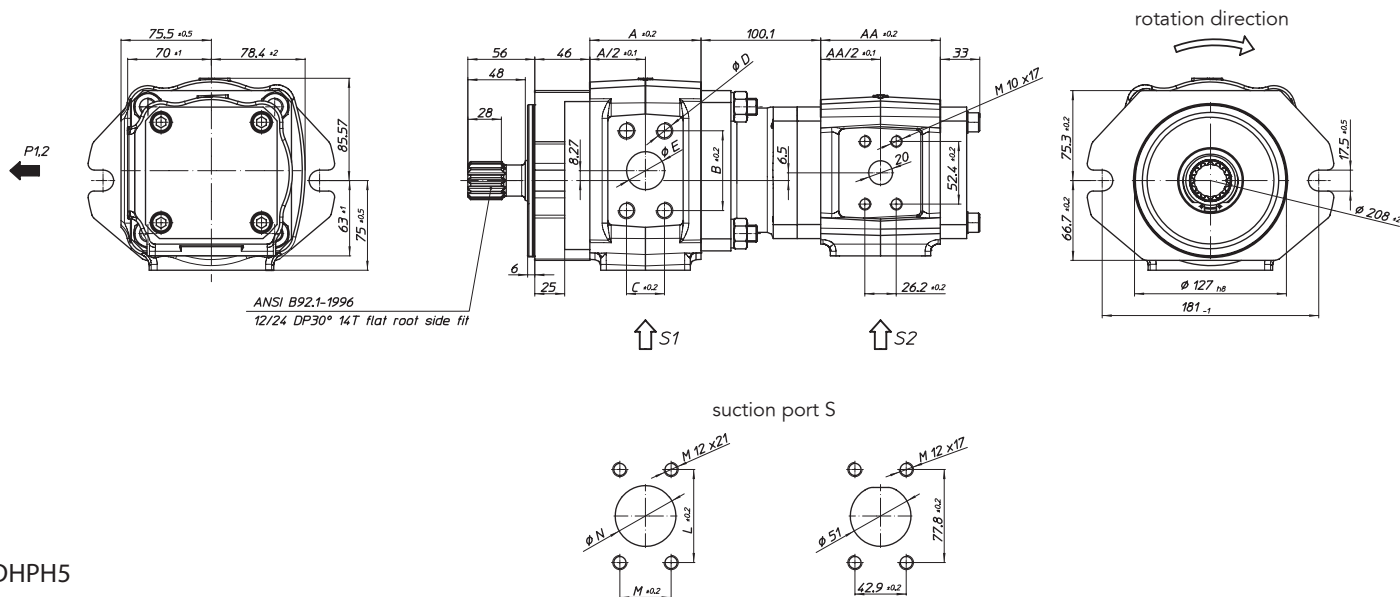
Pump with SAE-C-2-hole flange and splined shaft
Order example: DHPH5-___RB23-1X



Size	A	B	C	D	E	L	M	N
064	81	57,2*	27,8*	M12x22	25,4	77,8	42,9	51
080	93	66,7*	31,8*	M14x24	31,75	77,8	42,9	51
100	109	66,7*	31,8*	M14x24	31,75	88,9	50,8	63,5

* Pressure port: SAE 518C, high pressure series (code 62)

Double pump with SAE-C-2-hole flange and splined shaft
Order example: DHPH5-___SL23-1X+ DHPH3-___RE36-1X



DHPH5

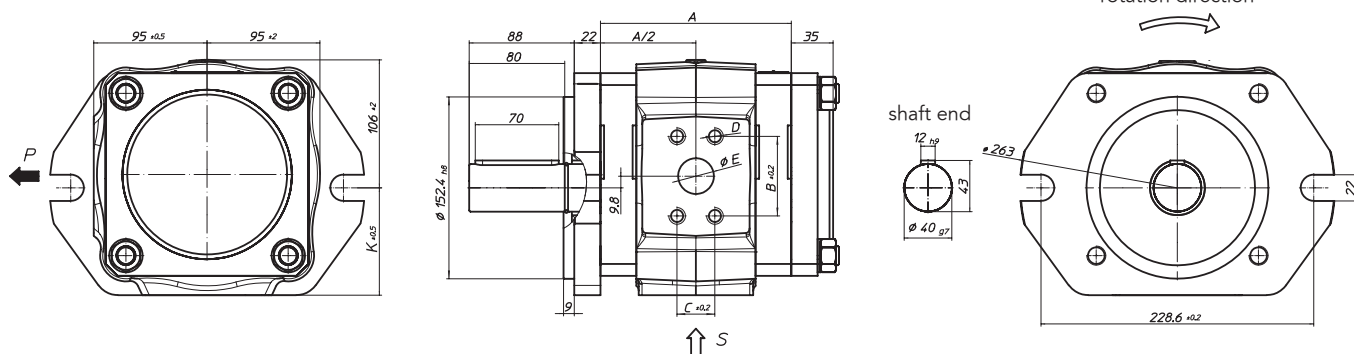
Size	A	B	C	D	E	L	M	N
064	81	57,2*	27,8*	M12x22	25,4	77,8	42,9	51
080	93	66,7*	31,8*	M14x24	31,75	77,8	42,9	51
100	109	66,7*	31,8*	M14x24	31,75	88,9	50,8	63,5

DHPH3

NG	AA
040	86
050	100

* Pressure port: SAE 518C, high pressure series (code 62)

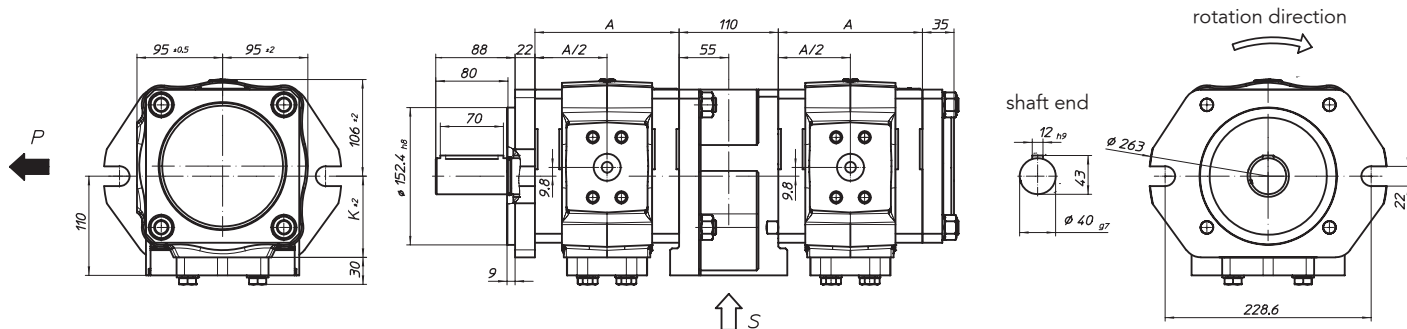
Pump with SAE-D-2-hole flange and cylindrical shaft
Order example: DHPH6-___RK23-1X



Size	A	B	C	D	E	K	L	M	N	O
040	123	57,2*	27,8*	M12x22	20	90	69,9	35,7	35	M12x25
050	129	57,2*	27,8*	M12x22	20	90	69,9	35,7	40	M12x25
064	138	57,2*	27,8*	M12x22	20	90	69,9	35,7	40	M12x25
080	147	66,7*	31,8*	M14x25	30	90	77,8	42,9	50	M12x25
100	160	66,7*	31,8*	M14x25	30	90	77,8	42,9	50	M12x25
125	175	66,7*	31,8*	M14x25	30	90	77,8	42,9	50	M12x25
160	196	66,7*	31,8*	M14x25	30	90	88,9	50,8	65	M12x25
200	221	79,4*	36,5*	M16x25	38	92	106,4	61,9	76	M16x25
250	251	79,4*	36,5*	M16x25	38	92	106,4	61,9	76	M16x25

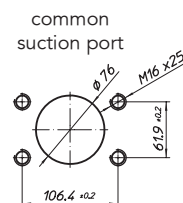
* Pressure port: SAE 518C, high pressure series (code 62)

Double pump with SAE-D-2-hole flange and cylindrical shaft
Order example: DHPH6-___RK20-1X+ und DHPH6-___RP30-1X



Size	A
040	123
050	129
064	138
080	147
100	160
125	175
160	196
200	221
250	251

Above size 160 no common inlet possible

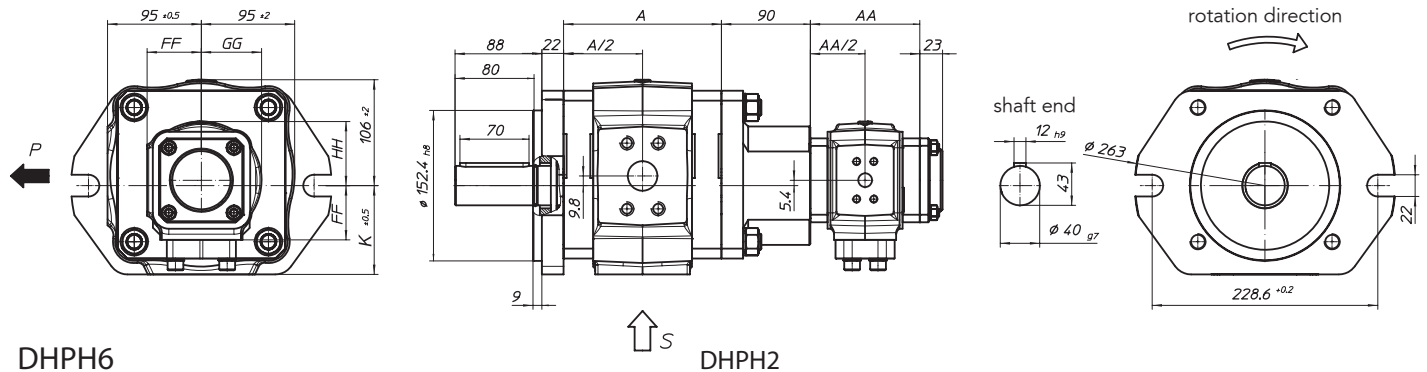


Pressure connections see single pumps

Dimensions DHPH6

Double pump with SAE-D-2-hole flange and cylindrical shaft

Order example: DHPH6-___RK23-1X+ und DHPH2-___RP30-1X



DHPH6

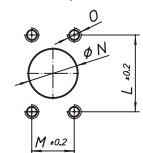
Size	A	K	L	M	N	O
040	123	90	69,9	35,7	35	M12x25
050	129	90	69,9	35,7	40	M12x25
064	138	90	69,9	35,7	40	M12x25
080	147	90	77,8	42,9	50	M12x25
100	160	90	77,8	42,9	50	M12x25
125	175	90	77,8	42,9	50	M12x25
160	196	90	88,9	50,8	65	M12x25
200	221	92	106,4	61,9	76	M16x25
250	251	92	106,4	61,9	76	M16x25

Pressure connections see single pumps

DHPH2

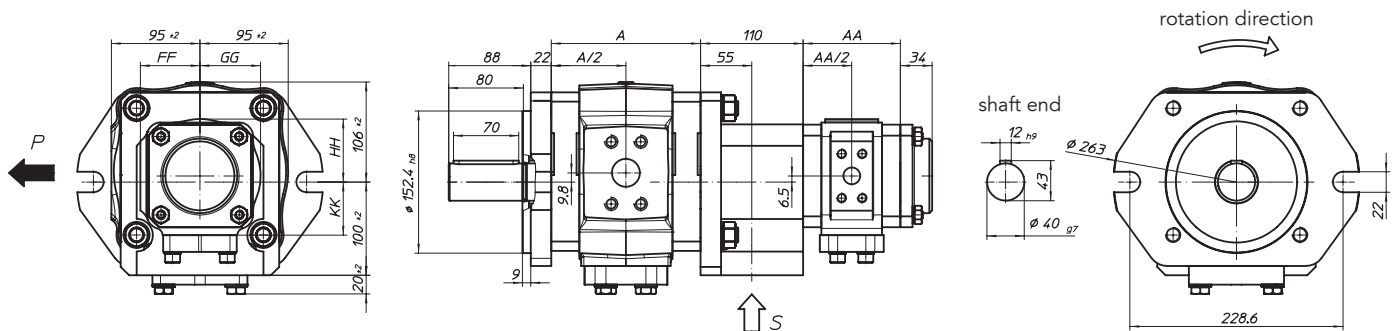
Size	AA	FF	GG	HH
004	71	50	55	59
005	71	50	55	59
006	73	50	55	59
008	76	50	55	59
011	82	50	55	59
013	87	50	55	60
016	92	50	55	60
019	99	55	61	65
022	105	55	61	65
025	111	55	61	65

suction port



Double pump with SAE-D-2-hole flange and cylindrical shaft

Order example: DHPH6-___RK20-1X+ und DHPH3-___RP30-1X



DHPH6

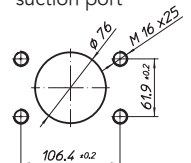
Size	A
040	123
050	129
064	138
080	147
100	160
125	175
160	196
200	221
250	251

DHPH3

Size	AA	FF	GG	HH	KK
014	90,4	64	65	67	57
016	92,4	64	65	67	57
020	97,9	64	65	67	57
025	104,4	64	65	67	57
032	114,4	64	65	67	57
040	125,4	70	73	79	63
050	139,4	70	73	79	63

Pressure connections see single pumps
Above size 160 no common inlet possible

common suction port



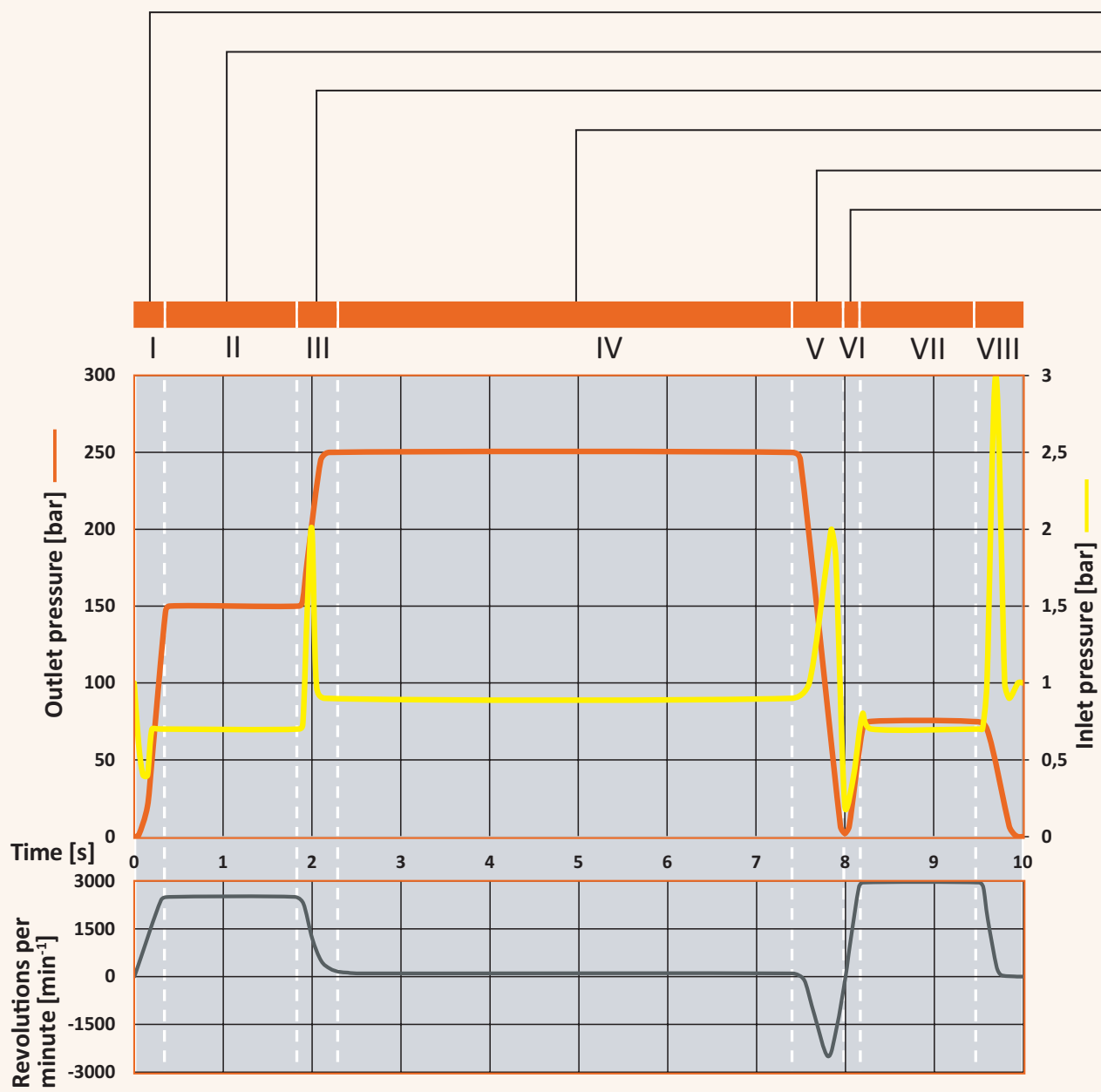
Connecting flanges SAE DHPH

Summary of SAE Pressure- and Suction flange SAE J 518C, ISO 6162

Type	Inlet	Outlet
DHPH2-004-005	SAE 1/2" 3000psi	SAE 1/2" 3000psi
DHPH2-006-008	SAE 3/4" 3000psi	SAE 1/2" 3000psi
DHPH2-011-025	SAE 1" 3000psi	SAE 1/2" 3000psi
DHPH2-019-025	SAE 1 1/2" 3000psi	SAE 1/2" 3000psi
DHPH3-014-016	SAE 1" 3000psi	SAE 1/2" 3000psi
DHPH3-020-032	SAE 1 1/4" 3000psi	SAE 3/4" 3000psi
DHPH3-040-064	SAE 1 1/4" 3000psi	SAE 1" 3000psi
DHPH3-040-050	SAE 2" 3000psi	SAE 1" 3000psi
DHPH5-064	SAE 2" 3000psi	SAE 1" 6000psi
DHPH5-080	SAE 2" 3000psi	SAE 1 1/4" 6000psi
DHPH5-100	SAE 2 1/2" 3000psi	SAE 1 1/4" 6000psi
DHPH6-040-064	SAE 1 1/2" 3000psi	SAE 1" 6000psi
DHPH6-080-125	SAE 2" 3000psi	SAE 1 1/4" 6000psi
DHPH6-160	SAE 2 1/2" 3000psi	SAE 1 1/4" 6000psi
DHPH6-200-250	SAE 3" 3000psi	SAE 1 1/2" 6000psi

Suction flange for Intermediate housing

Type	Inlet
DHPH2/2 – NG004-NG016	SAE 1" 3000psi
DHPH2/2 ab NG019	SAE 1 1/4" 3000psi
DHPH3/2	SAE 1 1/2" 3000psi
DHPH3/3 bis NG032	SAE 1 1/2" 3000psi
DHPH3/3 ab NG040	SAE 2" 3000psi
DHPH6/6	SAE 3" 3000psi
DHPH6/3	SAE 3" 3000psi



As a matter of principle, Dorninger Hytronics gear pumps are eminently suited for variable speed operation. Even at low viscosities and high temperatures of the pumping medium, the pumps run extremely energy efficiently and highly dynamically over a wide speed range due to the radial and axial gap compensation.

However, with variable speed operation certain boundary conditions should be observed. The exemplary cycle shown below illustrates this clearly.

I. Start:

Dorninger Hytronics internal gear pumps are able to build up pressure from standstill. This happens smoothly when the pump starts from an unpressurized state. Please talk to Dorninger Hytronics, if due to the system design the pump is pressurized at standstill.

II. Pump operation:

Dorninger Hytronics internal gear pumps are capable of providing a speed-dependent volumetric flow at any pressure level during pump operation. However, application limits of the respective sizes must be observed. ²⁾

III. Deceleration:

With Dorninger Hytronics internal gear pumps very high decelerations can be achieved. It must be ensured though that line-dependent pressure peaks can develop within the suction side. These should not exceed the maximum permissible inlet pressure. ^{2) 3)}

IV. Pressure Holding Operation:

Dorninger Hytronics internal gear pumps are able to build up high pressures even at very low speeds due to the gap compensation. Hold pressure operation is thus extremely energy-efficient. Pump operation should follow after the hold pressure operation to flush out the pump.

V. Reverse operation:

Dorninger Hytronics internal gear pumps are usually able to run highly dynamically in the opposite direction of rotation in order to lower pressure peaks, or by means of a hydraulic motor. However, it must be ensured that the output pressure is always higher than the input pressure. ^{1) 3)}

VI. Acceleration:

With Dorninger Hytronics internal gear pumps very large speed-ups can be run. These are limited by inlet pressure, geometry of the suction line and viscosity. However, these may not drop below the specified minimum inlet pressure of the series. ^{1) 3)}

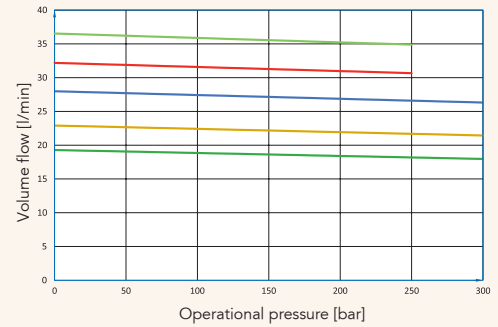
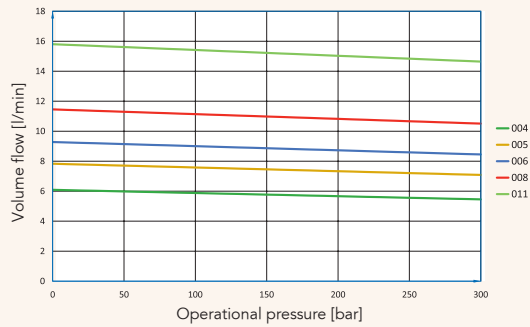
1) See Characteristics

2) See Technical data

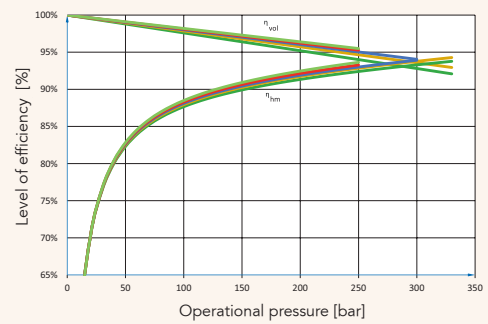
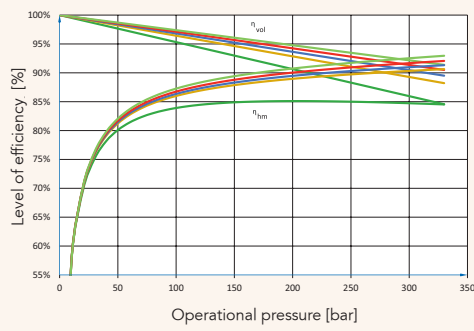
3) To avoid critical operating points, we recommend taking measurements of the pump's inlet and outlet pressure near the pump with a scanning rate of at least 1 kHz when a new pump cycle starts.

Characteristic DHPH2s

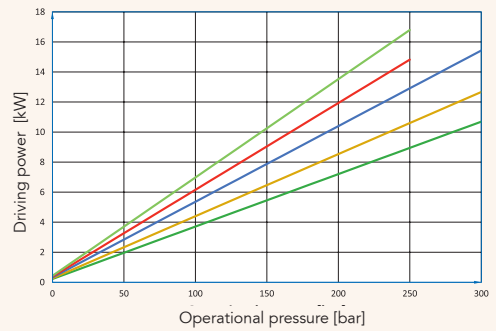
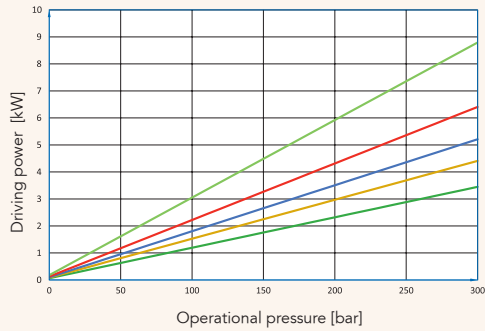
Volume flow



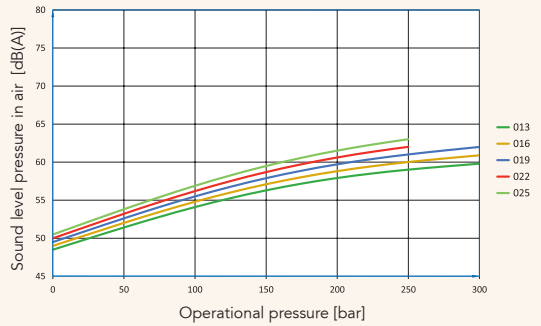
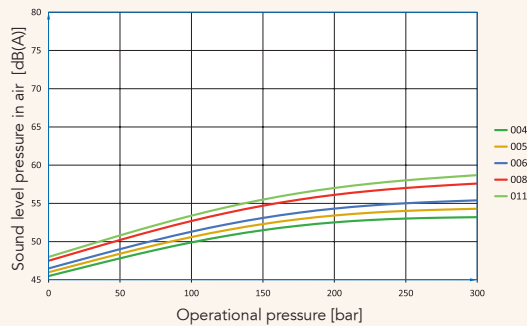
Level of efficiency



Driving power



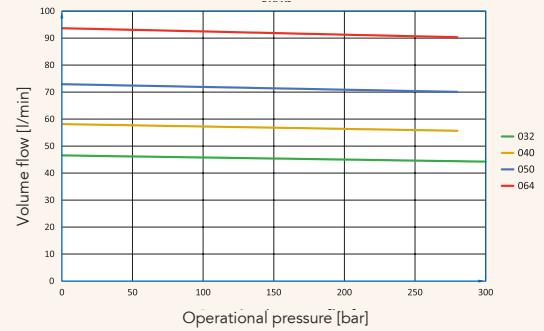
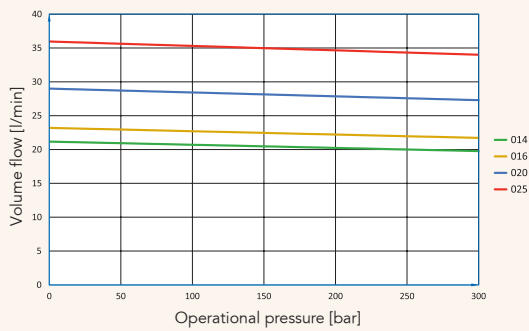
Sound level pressure in air



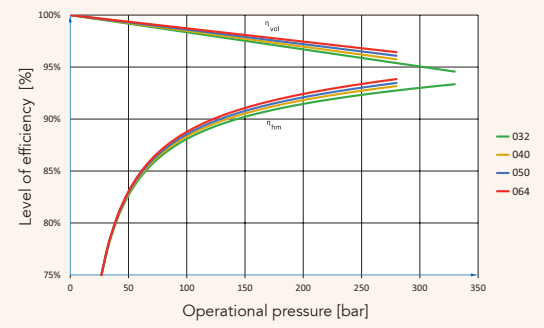
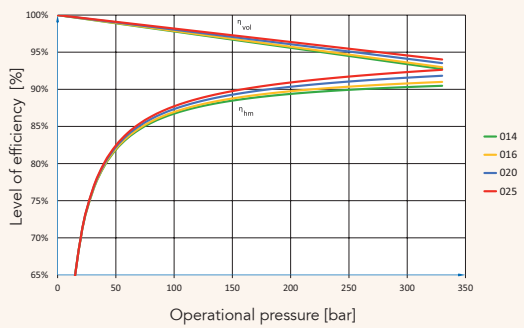
Measurement conditions: Speed 1450 min⁻¹, viscosity 46 mm²/s, operating temperature 40°C
Measured in silent room in accordance with DIN 45 635 sheet 26, microphone distance: 1 m axial

Characteristic DHPH3

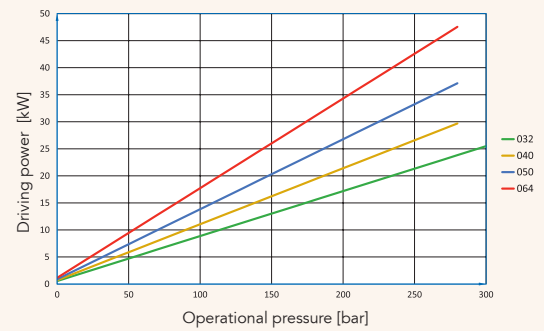
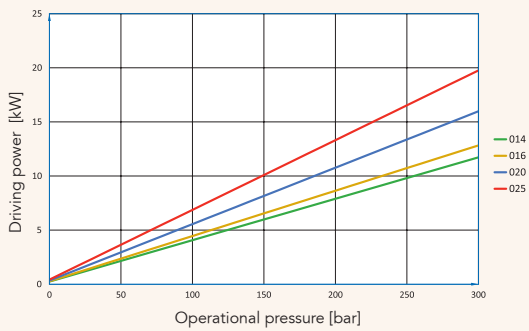
Volume flow



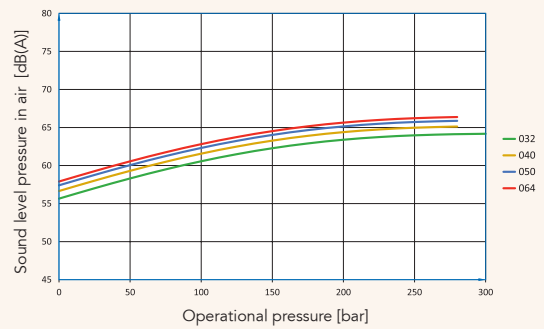
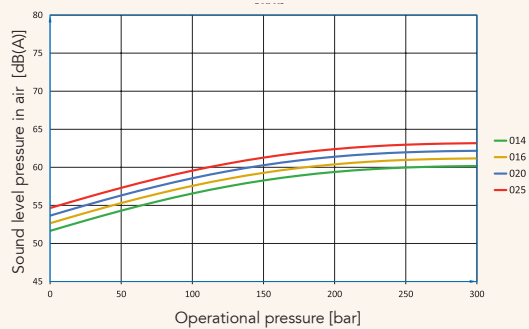
Level of efficiency



Driving power



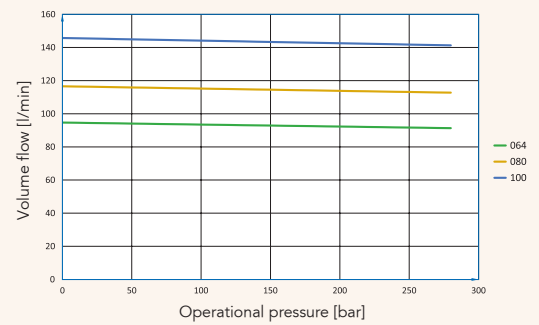
Sound level pressure in air



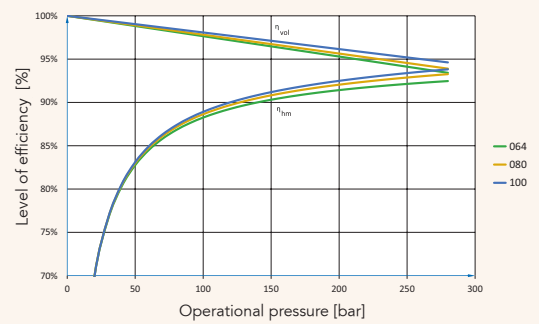
Measurement conditions: Speed 1450 min⁻¹, viscosity 46 mm²/s, operating temperature 40°C
Measured in silent room in accordance with DIN 45 635 sheet 26, microphone distance: 1 m axial

Characteristic DHPH5

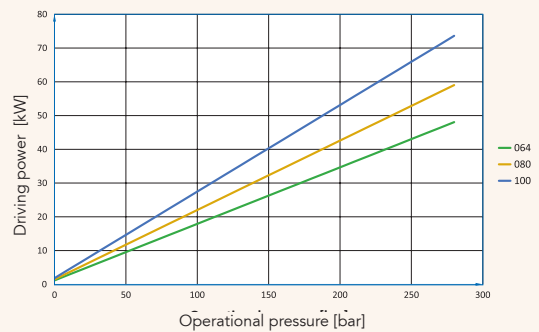
Volume flow



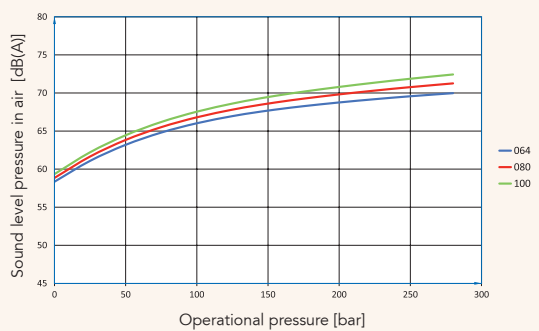
Level of efficiency



Driving power



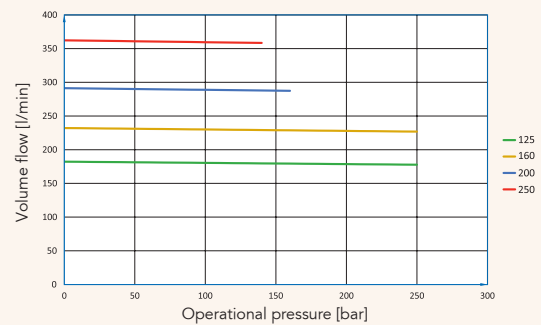
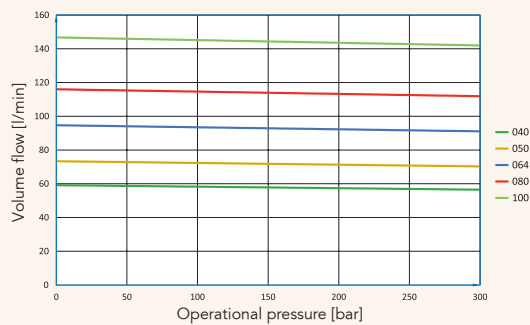
Sound level pressure in air



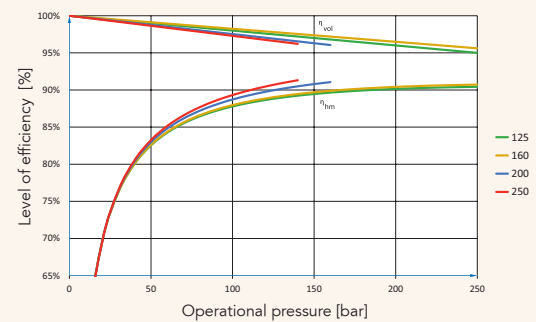
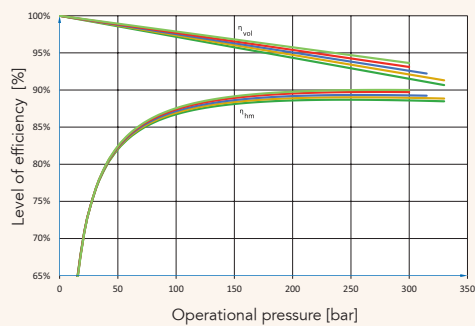
Measurement conditions: Speed 1450 min⁻¹, viscosity 46 mm²/s, operating temperature 40°C
Measured in silent room in accordance with DIN 45 635 sheet 26, microphone distance: 1 m axial

Characteristic DHPH6

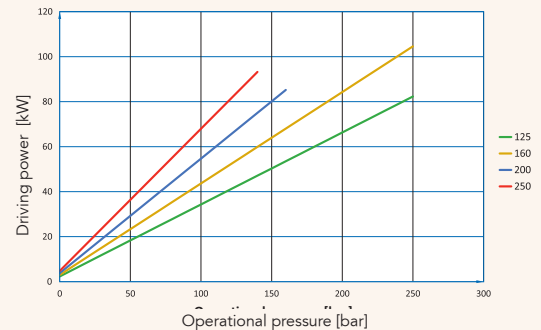
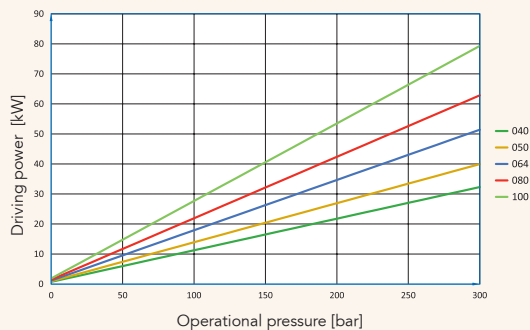
Volume flow



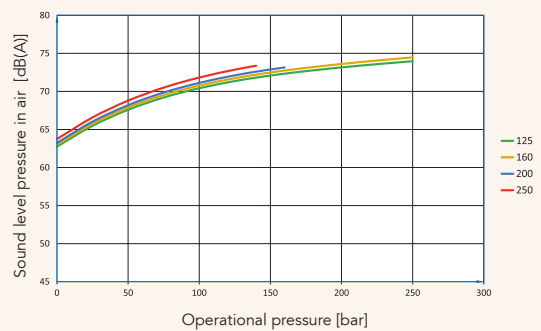
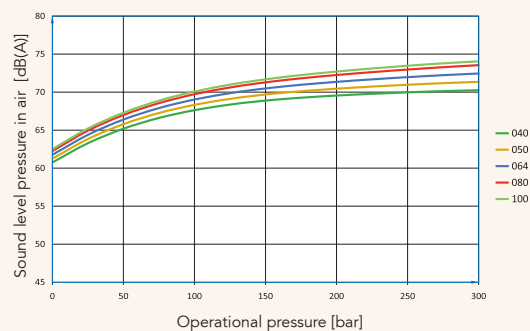
Level of efficiency



Driving power

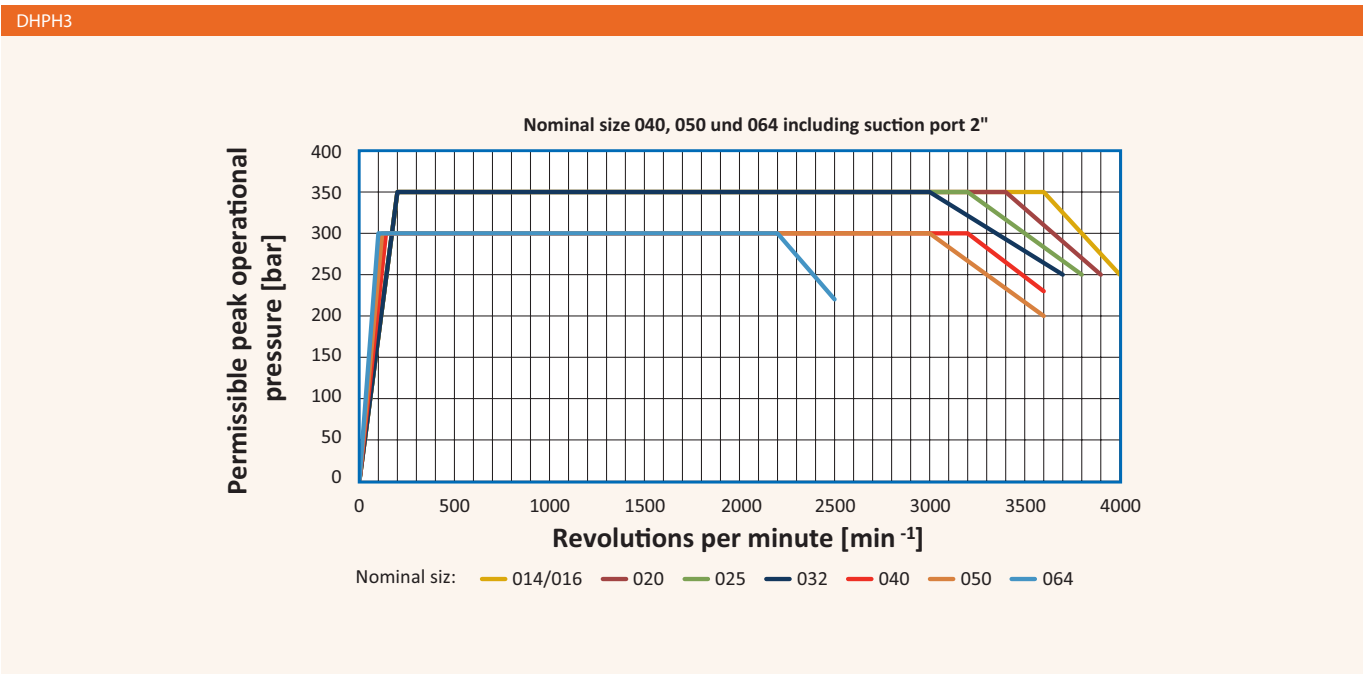
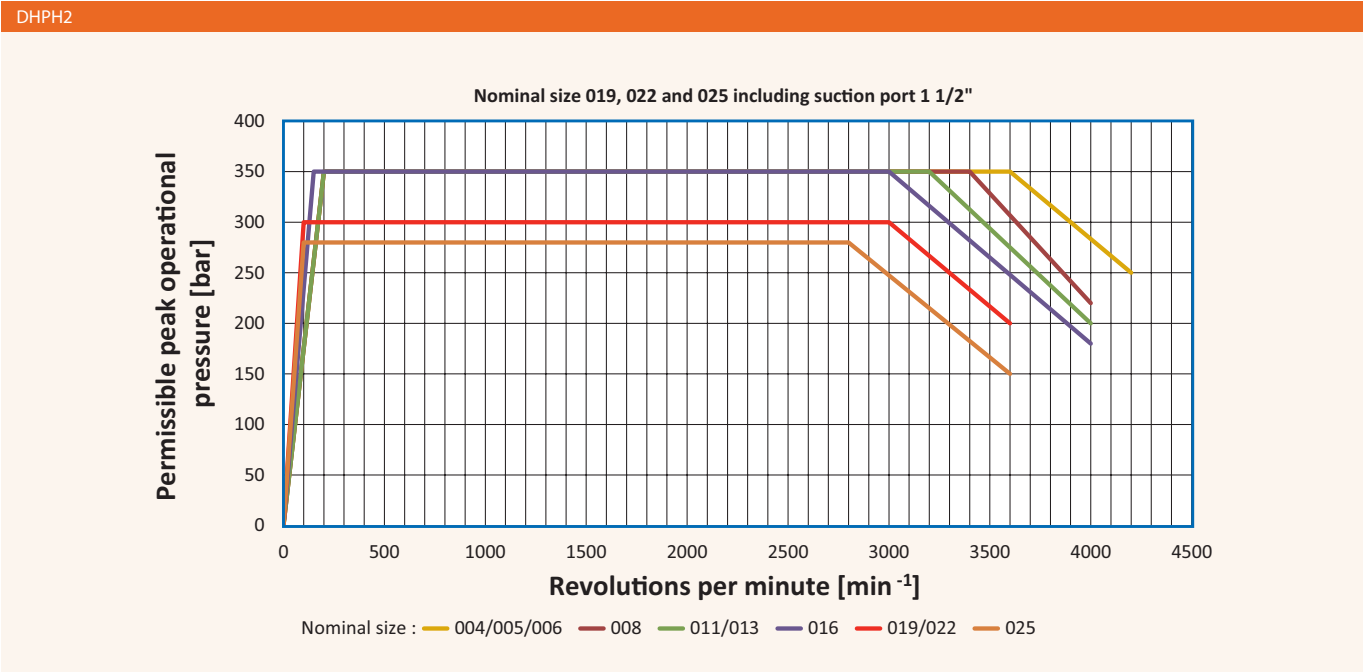


Sound level pressure in air



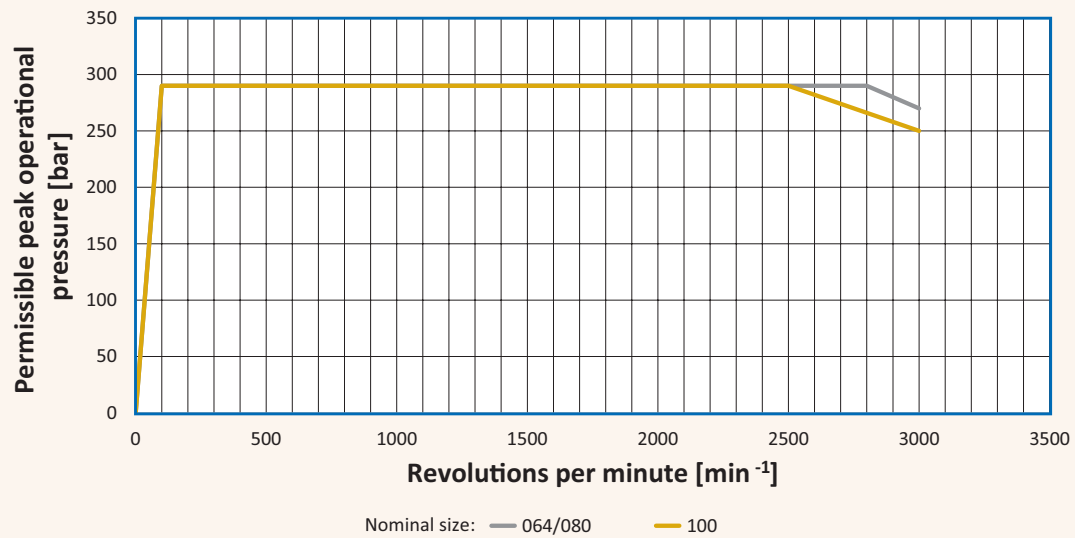
Measurement conditions: Speed 1450 min⁻¹, viscosity 46 mm²/s, operating temperature 40°C
 Measured in silent room in accordance with DIN 45 635 sheet 26, microphone distance: 1 m axial

Permissible peak operational pressure dependent on speed

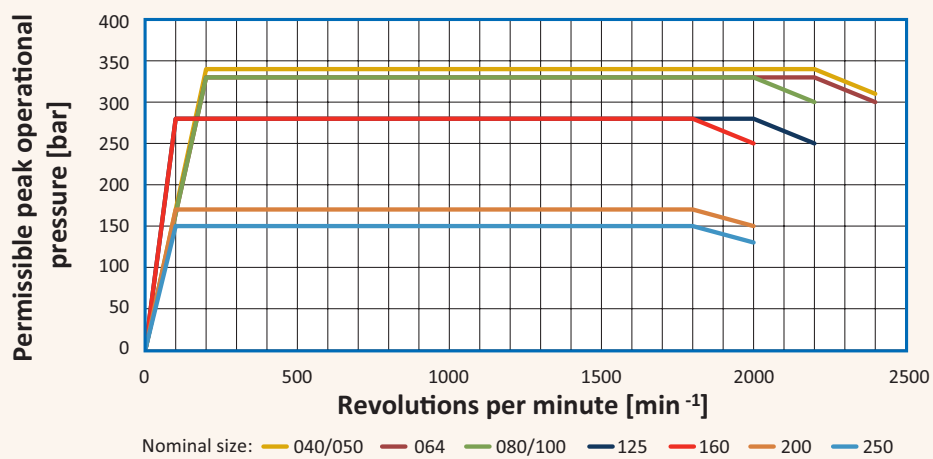


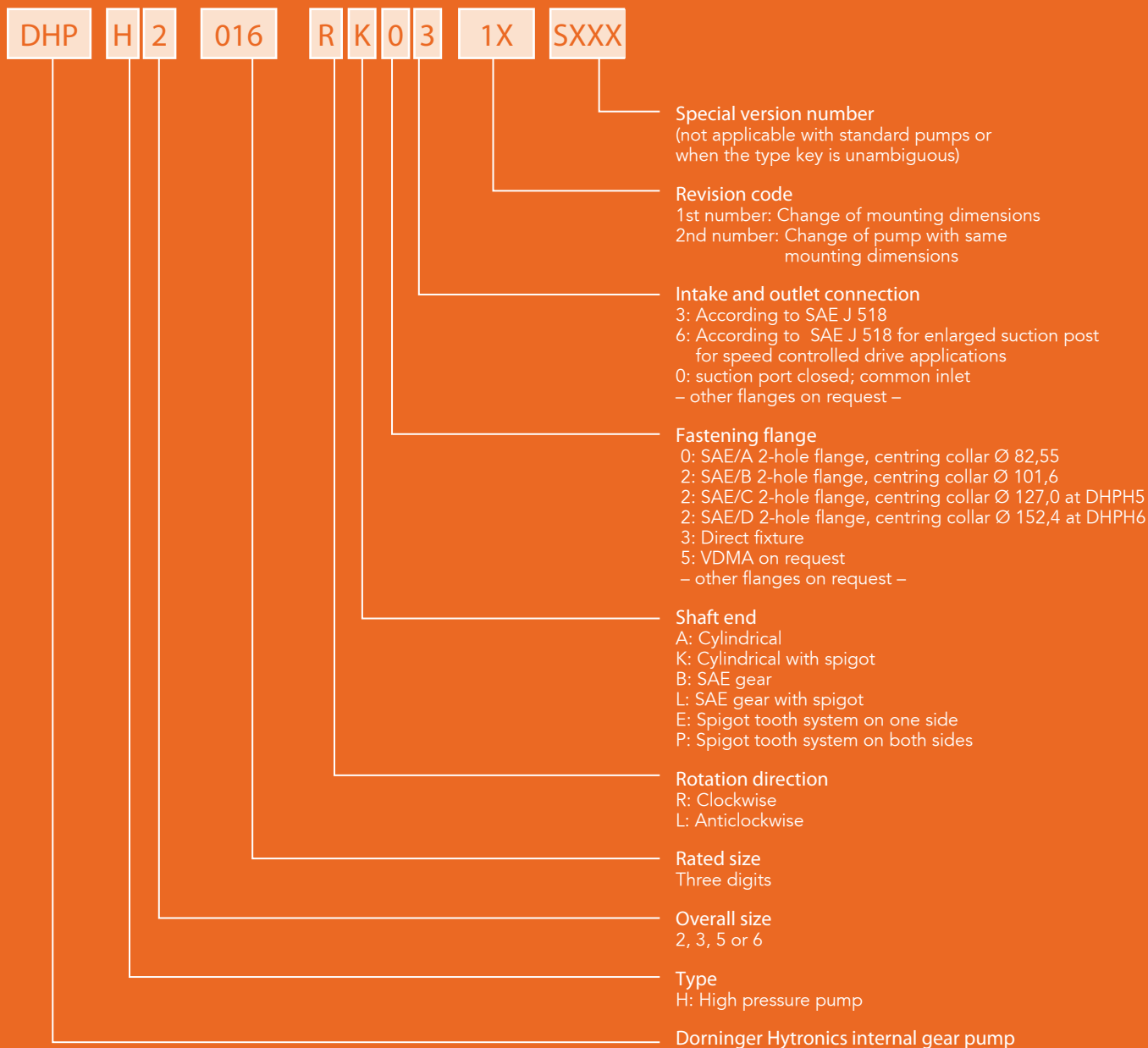
Peak operating pressures are permitted for a maximum of 10 seconds or 15% of the duty cycle

DHPH5



DHPH6





Order example: DHPH2-016RK03-1X

High pressure pump, overall size 2 with 15,8 cm³/U, clockwise rotation, cylindrical shaft with cone, SAE/B-2-hole flange connection, SAE flange connection, revision code 1X

Dorninger Hytronics GmbH
Betriebsstraße 18
4210 Unterweikersdorf
Austria

Tel +43 (0)7236 20820 0
Fax +43 (0)7236 20820 555
e-mail info@hytronics.at
web www.hytronics.at