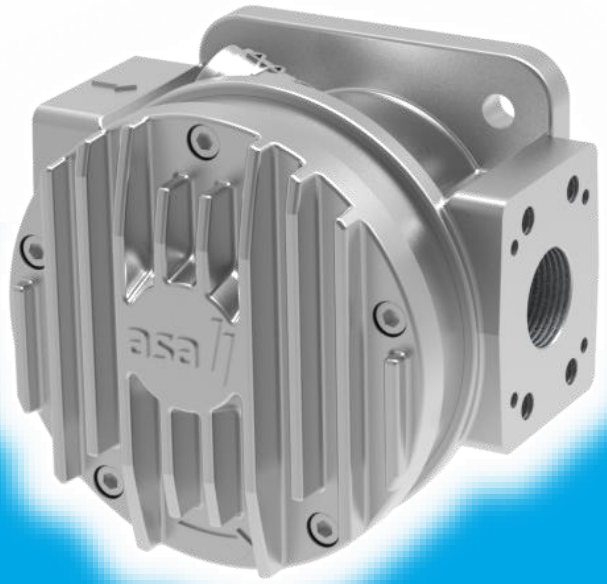


Fluid Controls

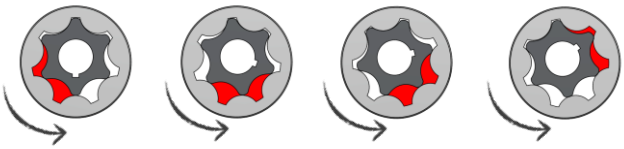
Gerotor Pump Unit Generation 2 (Bypass)

be different.
make a difference.

Fluid Controls
Gerotor Pump Generation 2

Design

The *asa* Gerotor Pump Generation 2 is a compact, high-performance, constant-displacement pump that provides offline hydraulic circuits with low-pulsation flows of up to 105 liters per minute. Its modular design ensures maximum flexibility for specific applications while providing the benefits of a standardized product. With an aluminum housing, steel shaft, and NBR seals, the pump is optimized for use in lubrication, cooling, filtration, and general oil supply systems.





Advantages

Modular design
One common housing across all five sizes, from the smallest to the largest model. This keeps the design reliable and cost-efficient, and makes the asa Gerotor Pump Generation 2 a flexible basis for circulation supply systems.

Operating characteristics
The single-axis design keeps the pump compact and easy to integrate. It delivers low-pulsation flow with low noise, and it is built for continuous duty with consistent performance over long operating hours. Designed for high-viscosity fluids up to 1000 mm²/s, it is particularly well suited for gearbox and transmission oil cooling.

Configuration
Pre-engineered motor/pump units based on best-practice configurations, consisting of a configured gerotor pump, bell housing, mounting feet, flexible coupling and electric motor. Each unit works as an autonomous circulation power pack and saves space and cost.

Cleanliness and filtration
Internal cleanliness is controlled to quality standards above common industry requirements, which reduces wear and maintenance costs. Depending on system requirements and flow rate, various filter options are available. Finer filtration further improves fluid cleanliness and extends service life.

Bypass options
An internal bypass valve is standard and protects the pump and downstream components against overpressure. An optional external bypass maintains constant flow under overpressure to ensure proper lubrication and cooling.

asa rail system
An alternative to the conventional SAE 1 ¼" outlet connection. The connectors can be rotated into four positions and provide an additional G ½" port for monitoring or other functions. An optional spin-on filter can be mounted on the outlet in combination with the rail system.

Validation plan:

- ✓ Gerotor pump test
- ✓ Salt spray chamber according DIN EN ISO 9227
- ✓ Sound Power Measurement according to DIN EN ISO 9614-2
- ✓ Vibration test acc. IEC 60068-2-6/64 and combined climate test bench ICE 60068-2-14

Applications



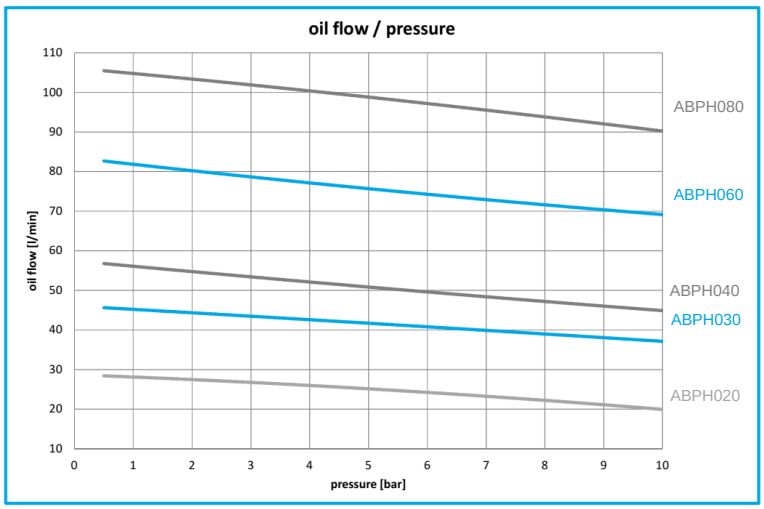
Fluid Controls
Gerotor Pump Generation 2

General Data

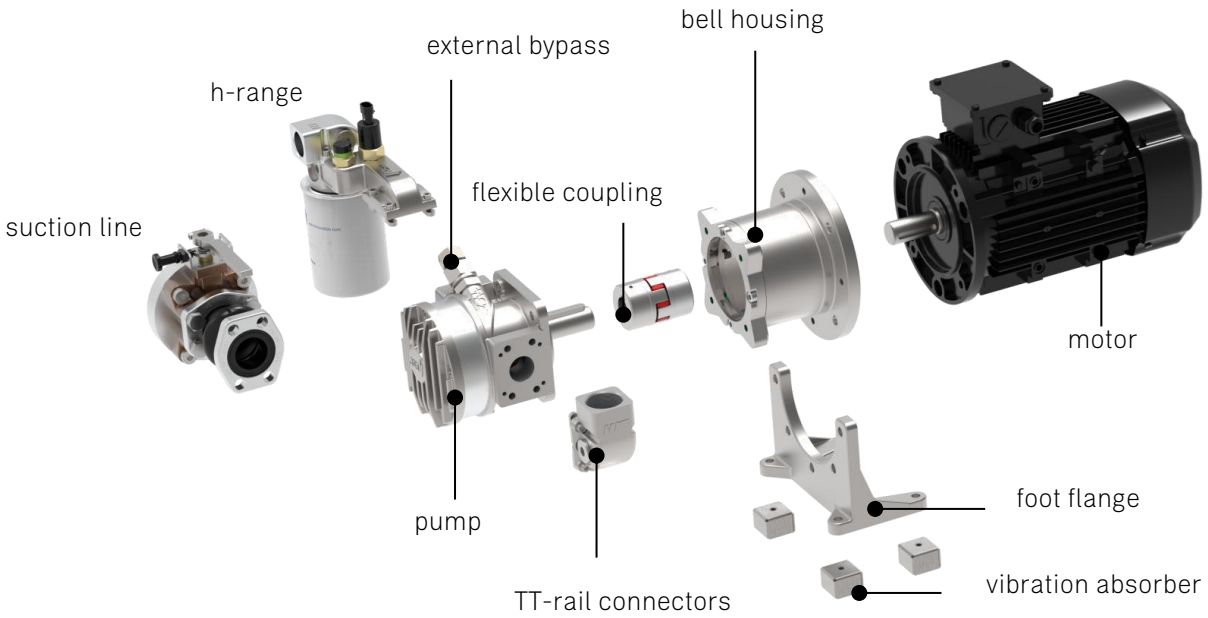
working pressure range	(relative)
suction side	-0,4 to 0 bar
pressure side	0 to 10 bar
displacement	20 to 80 cm³
max. kinematic viscosity:	up to 1000 mm²/s *)
oil temperature range	-20°C to +80°C
ambient working temperature range	-20°C to +80°C
compatible media	any mineral oil acc. DIN 51524
pump housing and cover	aluminium
shaft	steel
gerotor	steel
sealings	NBR, Viton on request
centering plate	aluminium
flexible coupling	aluminium/polyurethan
bell housing	aluminium
feet	aluminium

*) depending on pump size and motor power

Pump Characteristic

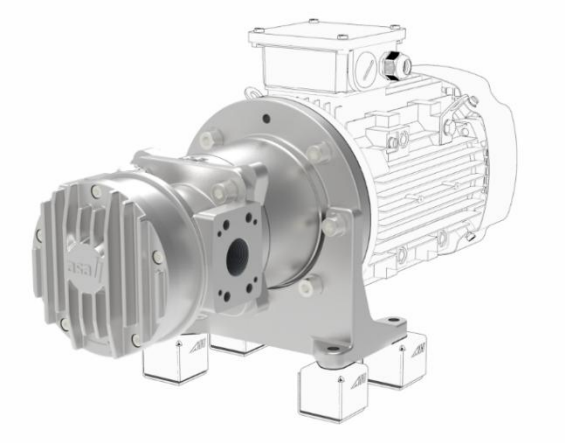


Measured on the ***asa*** pump test bench at 1450rpm and a viscosity 46 mm²/s



Fluid Controls
Gerotor Pump Generation 2

Systems

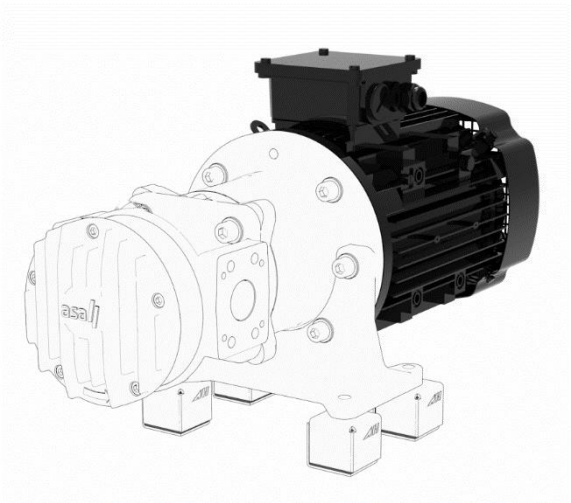


Pumpe & Bell Housing

Motor flange and feet	
Pump with bell housing and foot flange	article number to be announced, for other motors on request

Motor

Our motor / pump units are pre-engineered assemblies based on best-practice configurations. They consist of a configured Gerotor Pump, bell housing, mounting feet, flexible coupling, and electric motor.

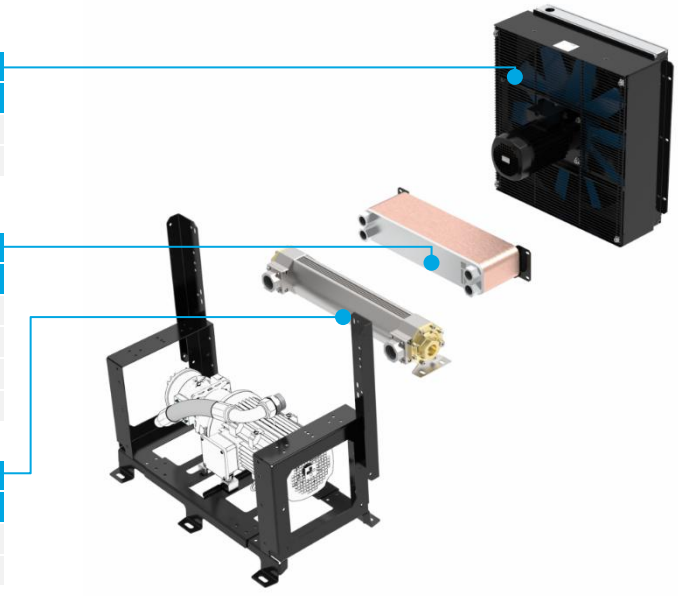


Motor – pump - unit	
motor power	1,10 kW, 6 pole
50Hz, 230/400V	1.50 kW, 6-pole / 4-pole
IP 55	2,20 kW, 6-pole / 4-pole
IE3	3,00 kW, 4-pole
	4,00 kW, 4-pole

Contact us for complete data sheet

Modular Cooling Unit

These modular cooling units provide a compact, offline cooling solution, combining high-performance pumps and heat exchangers within an adjustable steel frame.



Air cooled range	
1T-Line	spec. cooling power
ILL1TMP25....	0,67 kW/°C
ILL1TMP36....	0,77 kW/°C

Water cooled range	
PHE series	spec. cooling power
ILWPLMP45.....	1,43 kW/°C
ILWPLMP53.....	1,14 kW/°C
ILWPLMP65.....	1,42 kW/°C
ILWPLMP70.....	1,21 kW/°C

Water cooled range	
Shell & Tube serie	spec. cooling power
ILWSTMP03.....	1,45 kW/°C
ILWSTMP05.....	1,92 kW/°C

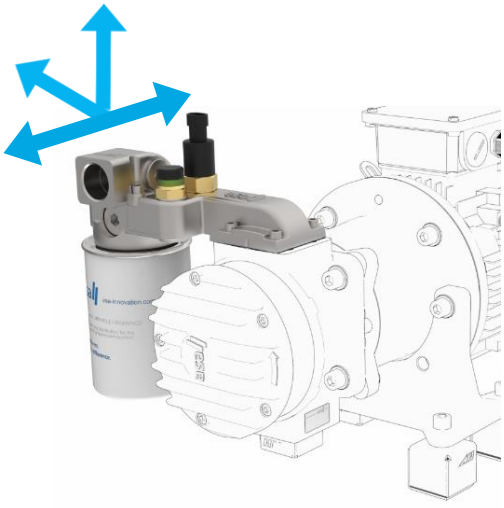
Contact us for the complete datasheet

Fluid Controls
Gerotor Pump Generation 2

Montage

Filtration
We offer an optional spin on filter kit to mount on the outlet port in combination with our hydraulic rail connection system, see below.

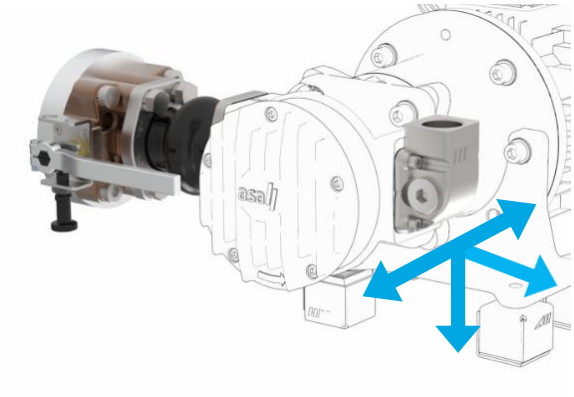
Spin on filter kit	ILLZRF
BSP ¾”	ILLZRF11G2010 (10µm, 60lpm)
BSP ¾”	ILLZRF11G2025 (25µm, 60lpm)
	ILLZRF12G2010 (10µm, 100lpm)
	ILLZRF12G2025 (25µm, 100lpm)
clogging indicator	electric, optical
temperature switches	ILLZTH5069K, ILLZTH4765K ILLZTH6065K
90° rail connector BSP 1”	ILLZATT53G25
straight rail connector BSP 1”	ILLZATTS1G25
90° rail connector BSP 1 ¼”	ILLZATT53G32



Contact us for the complete datasheet

Port / Tank connection
For the suction side, a flexible rubber compensator with SAE flanges can be selected from our connection technology program. For the outlet port, any of our rail connectors can be used, with the option to rotate the port direction as indicated as indicated in the depiction to the right.

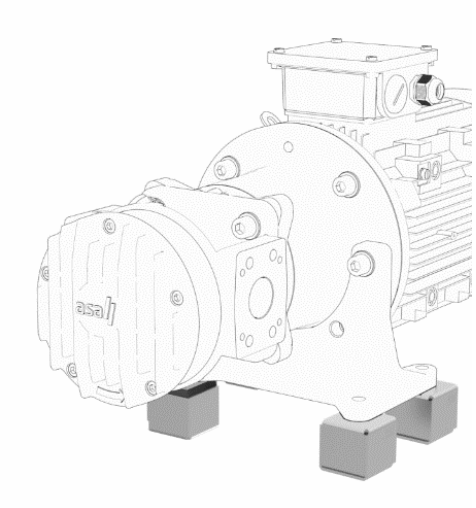
Inlet port	
SAE rubber compensator NBR/CR, NG 40, SAE 1 ½”	
order number:	SDKSS040
or suction unit order number	SDAK0040
Outlet Port	
optional rail connector order numbers	
90° rail connector BSP 1”	ILLZATT53G25
90° rail connector BSP 1 ¼”	ILLZATT53G32



Contact us for the complete datasheet

Absorber-Silence
Using our patented vibration absorbers extends the lifetime of the pump unit. The unique design has highest capabilities with higher vulcanization surface then conventional products. The shear load capabilities can be maximized by the given arrow system on the product.

Vibration absorber	
50x50x45mm absorber with M10 threads.	
order number	MDGQ504510IIK

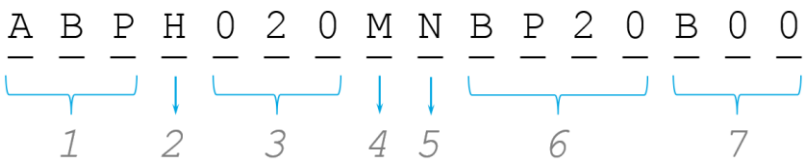


Contact us for the complete data sheet

Fluid Controls
Gerotor Pump Generation 2

Pump

Order Code



1 Product Category

ABP	Pumps

2 Product Series

H	Gerotor Generation 2 for hydraulic use

3 Pump Displacement

nominal	Displ./rotation
020	20 cm³
030	32 cm³
040	40 cm³
060	60 cm³
080	80 cm³

4 Type of Connection

M	metric 4-hole / ISO 3019-2
Z	SAE B-B 4- hole / SAE J744

5 Sealing Material

N	NBR
V	Viton (on request)

6 Bypass Options

BP20	internal 2 bar relief valve
BP60	internal 6 bar relief valve
BP99	internal 10 bar relief valve (standard)
EB60	external 6 bar relief valve

7 Index / Customized

B00	special / customized specifications; to be advised by asa

General Data

max. outlet pressure:	10 bar (relative)
oil temperature range	-20°C to +80°C
compatible media	any mineral oil acc. DIN 51524
max. kinematic viscosity:	up to 1000 mm²/s *)

**) depending on pump size and motor power*

Materials

housing and cover	aluminium
shaft	steel
gerotor	steel
sealings	NBR, Viton on request
centering plate	aluminium

Technical Data

order number	description	displacement	oil flow[1)]	min. required motor power[2)]
		[cm³/rotation]	[l/min]	[kW]
ABPH020MNBP99	Gerotor pump 2, 20cm³, metric, bypass 10 bar	20	29	1,1
ABPH030MNBP99	Gerotor pump 2, 32cm³, metric, bypass 10 bar	32	47	1,1
ABPH040MNBP99	Gerotor pump 2, 40cm³, metric, bypass 10 bar	40	58	1,5
ABPH060MNBP99	Gerotor pump 2, 60cm³, metric, bypass 10 bar	60	87	1,5
ABPH080MNBP99	Gerotor pump 2, 80cm³, metric, bypass 10 bar	80	110	1,5

[1)]...measured at rotation of 1450rpm, pressure 0,5bar and viscosity of 46mm²/s / for 60Hz oil flow values to be multiplied by 1,2
[2)]...check page 6 for max.pressure and viscosity

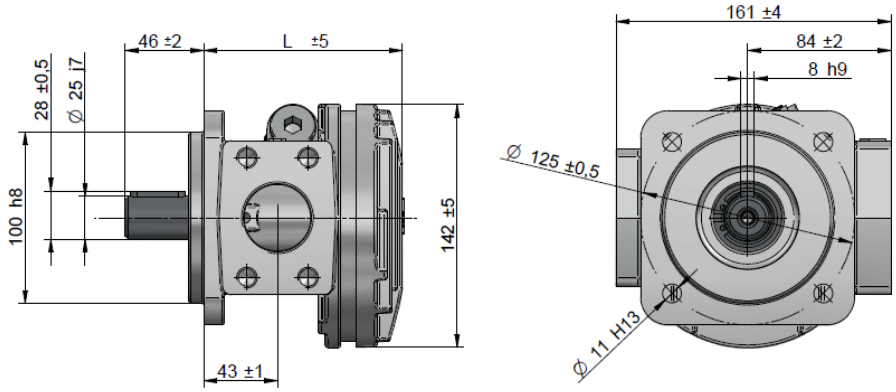
This data sheet and the corresponding technical drawings serve solely as a general guideline and a technical overview of our products. Please contact us for additional information. We always try to keep the technical data up to date. However, due to constant development, no guarantee can be given for the correctness of the information (or printing errors). This applies to general properties such as dimensions, colors and weight. Any cooling performances and general technical values indicated in this catalogue are measured at a test benches according to asa testing procedures or calculated based on such tests and may therefore deviate from values obtained by test procedures from other manufacturers. The performance can vary by around +/- 15%. All information and calculation values are provided to the best of our knowledge, they do not represent intrinsic product properties and it is strongly recommended that the product is tested under the actual operating conditions. All drawings shown here are to be understood as schematic representations. For exact dimensions and the applicable tolerances, please ask for the corresponding scale drawings. Any form of liability is excluded for the information included in this datasheet. asa GmbH reserves the right to modify the product without any separate notification. This refers to both technical data and the product itself. Furthermore, it is herewith specified that the datasheet and the corresponding scale drawings are not a substitute for the assembly, installation and operating instructions.

© asa technology, September 2026

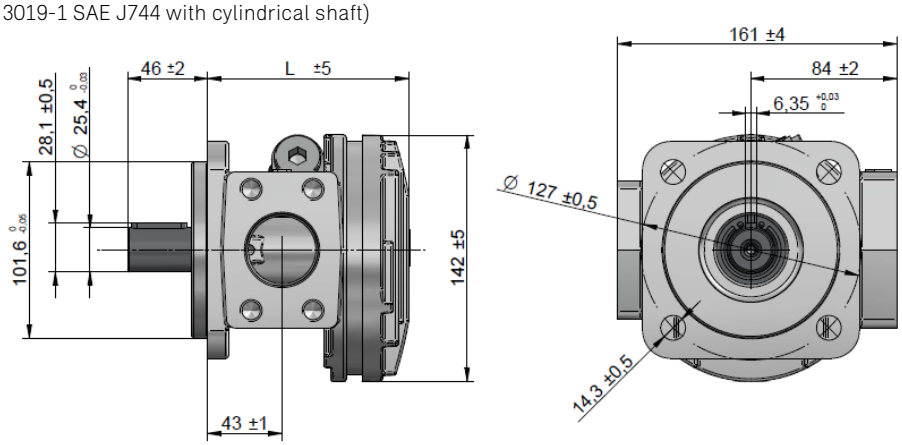
Fluid Controls
Gerotor Pump Generation 2

Pump

Metric version
(4-hole flange acc. ISO 3019-2 100B4HW with cylindrical shaft)



SAE version
(4-hole flange acc. ISO 3019-1 SAE J744 with cylindrical shaft)

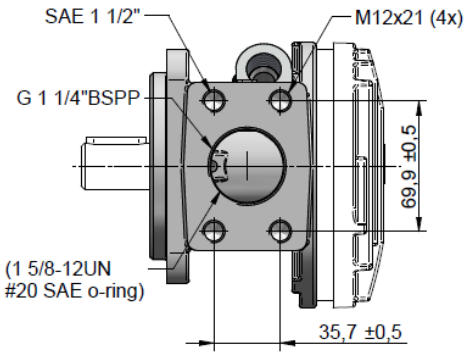


Dimensions

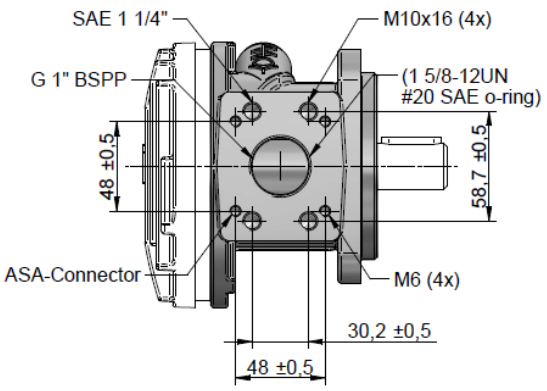
Nominal size	L	weight
	[mm]	[kg]
20	117	4,3
30	124	4,8
40	128	5,1
60	139	6,0
80	150	7,0

Hydraulic connection

Inlet Port



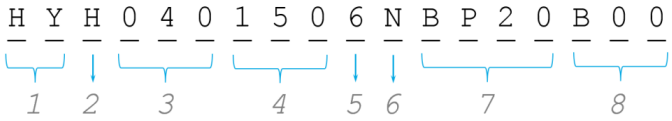
Outlet Port



This data sheet and the corresponding technical drawings serve solely as a general guideline and a technical overview of our products. Please contact us for additional information. We always try to keep the technical data up to date. However, due to constant development, no guarantee can be given for the correctness of the information (or printing errors). This applies to general properties such as dimensions, colors and weight. Any cooling performances and general technical values indicated in this catalogue are measured at a test benches according to asa testing procedures or calculated based on such tests and may therefore deviate from values obtained by test procedures from other manufacturers. The performance can vary by around +/- 15%. All information and calculation values are provided to the best of our knowledge, they do not represent intrinsic product properties and it is strongly recommended that the product is tested under the actual operating conditions. All drawings shown here are to be understood as schematic representations. For exact dimensions and the applicable tolerances, please ask for the corresponding scale drawings. Any form of liability is excluded for the information included in this datasheet. asa GmbH reserves the right to modify the product without any separate notification. This refers to both technical data and the product itself. Furthermore, it is herewith specified that the datasheet and the corresponding scale drawings are not a substitute for the assembly, installation and operating instructions.

Fluid Controls
Gerotor Pump Generation 2
Motor / Pump Unit

Order Code



1 Product Category

HY	motor/pump unit

2 Product Series

H	gerotor generation 2 for hydraulic use

3 Pump Displacement

nominal	Displ./rotation
020	20 cm³
030	32 cm³
040	40 cm³
060	60 cm³
080	80 cm³

4 Motor power

110	1,10 kW	6-pole motor
150	1,50 kW	6-pole / 4-pole motor
220	2,20 kW	6-pole / 4-pole motor
300	3,00 kW	4-pole motor
400	4,00 kW	4-pole motor

5 No. of Poles

4	4-pole motor
6	6-pole motor

6 Sealing Material

N	NBR
V	Viton (on request)

7 Bypass Options

BP20	internal 2 bar relief valve
BP60	internal 6 bar relief valve
BP99	internal 10 bar relief valve (standard)
EB60	External 6 bar relief valve

8 Index / Customized

B00	special / customized specifications; to be advised by asa

General Data

frequency	50Hz
voltage	230/400V
protection	IP 55
efficiency electric motor	IE3
ambient working temperature range	-20°C to +40°C
pump data	see page 5

**) depending on pump size and motor power*

Materials

pump	see page 5
flexible coupling	aluminium/polyurethan
bell housing	aluminium
feet	aluminium

Technical Data

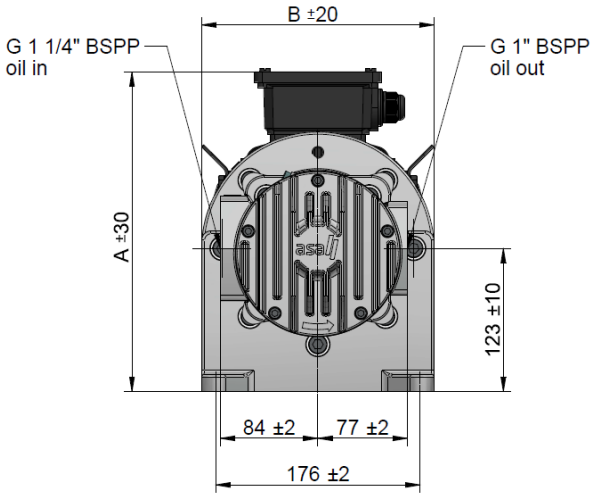
order number	description	motor power	motor size	poles	oil flow	max. pressure	max. viscosity	noise level *)
		[kW]	IEC		[lpm]	[bar]	[mm²/s]	[dB(A)]
HYH0201106NBP99	Gero pump unit 50Hz 20cm³ 1,1kW 6-pol. BP	1,10	90L	6	18	8	150	58
HYH0201506NBP99	Gero pump unit 50Hz 20cm³ 1,5kW 6-pol. BP	1,50	100L	6	18	8	250	58
HYH0201504NBP99	Gero pump unit 50Hz 20cm³ 1,5kW 4-pol. BP	1,50	90L	4	28	10	250	58
HYH0202204NBP99	Gero pump unit 50Hz 20cm³ 2,2kW 4-pol. BP	2,20	100L	4	28	10	500	58
HYH0301106NBP99	Gero pump unit 50Hz 30cm³ 1,1kW 6-pol. BP	1,10	90L	6	29	8	150	60
HYH0301506NBP99	Gero pump unit 50Hz 30cm³ 1,5kW 6-pol. BP	1,50	100L	6	29	8	250	60
HYH0301504NBP99	Gero pump unit 50Hz 30cm³ 1,5kW 4-pol. BP	1,50	90L	4	44	10	250	60
HYH0302204NBP99	Gero pump unit 50Hz 30cm³ 2,2kW 4-pol. BP	2,20	100L	4	44	10	500	60
HYH0401106NBP99	Gero pump unit 50Hz 40cm³ 1,1kW 6-pol. BP	1,10	100L	6	35	8	150	61
HYH0401506NBP99	Gero pump unit 50Hz 40cm³ 1,5kW 6-pol. BP	1,50	100L	6	35	8	250	61
HYH0402204NBP99	Gero pump unit 50Hz 40cm³ 2,2kW 4-pol. BP	2,20	100L	4	54	10	250	61
HYH0403004NBP99	Gero pump unit 50Hz 40cm³ 3,0kW 4-pol. BP	3,00	100L	4	54	10	500	61
HYH0601506NBP99	Gero pump unit 50Hz 60cm³ 1,5kW 6-pol. BP	1,50	100L	6	52	8	150	62
HYH0602206NBP99	Gero pump unit 50Hz 60cm³ 2,2kW 6-pol. BP	2,20	112M	6	52	8	250	62
HYH0602204NBP99	Gero pump unit 50Hz 60cm³ 2,2kW 4-pol. BP	2,20	100L	4	80	10	150	62
HYH0603004NBP99	Gero pump unit 50Hz 60cm³ 3,0kW 4-pol. BP	3,00	100L	4	80	10	250	62
HYH0604004NBP99	Gero pump unit 50Hz 60cm³ 4,0kW 4-pol. BP	4,00	112M	4	80	10	500	62
HYH0801506NBP99	Gero pump unit 50Hz 80cm³ 1,5kW 6-pol. BP	1,50	100L	6	69	8	150	63
HYH0802206NBP99	Gero pump unit 50Hz 80cm³ 2,2kW 6-pol. BP	2,20	112M	6	69	8	250	63
HYH0802204NBP99	Gero pump unit 50Hz 80cm³ 2,2kW 4-pol. BP	2,20	100L	4	105	10	150	63
HYH0803004NBP99	Gero pump unit 50Hz 80cm³ 3,0kW 4-pol. BP	3,00	100L	4	105	10	250	63
HYH0804004NBP99	Gero pump unit 50Hz 80cm³ 4,0kW 4-pol. BP	4,00	112M	4	105	10	500	63

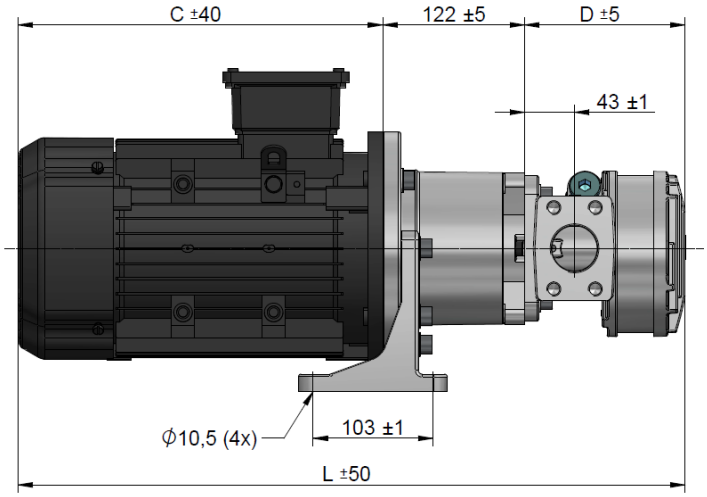
*) Values measured at 5bar, sound pressure level also depends on the electric motor.

This data sheet and the corresponding technical drawings serve solely as a general guideline and a technical overview of our products. Please contact us for additional information. We always try to keep the technical data up to date. However, due to constant development, no guarantee can be given for the correctness of the information (or printing errors). This applies to general properties such as dimensions, colors and weight. Any cooling performances and general technical values indicated in this catalogue are measured at a test benches according to asa testing procedures or calculated based on such tests and may therefore deviate from values obtained by test procedures from other manufacturers. The performance can vary by around +/- 15%. All information and calculation values are provided to the best of our knowledge, they do not represent intrinsic product properties and it is strongly recommended that the product is tested under the actual operating conditions. All drawings shown here are to be understood as schematic representations. For exact dimensions and the applicable tolerances, please ask for the corresponding scale drawings. Any form of liability is excluded for the information included in this datasheet. asa GmbH reserves the right to modify the product without any separate notification. This refers to both technical data and the product itself. Furthermore, it is herewith specified that the datasheet and the corresponding scale drawings are not a substitute for the assembly, installation and operating instructions.

© asa technology, September 2026

Fluid Controls
Gerotor Pump Generation 2
Motor / Pump Unit





Dimensions

order number	description	A	B	C *	D	L	weight
		[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
HYH0201106NBP99	Gero pump unit 50Hz 20cm³ 1,1kW 6-pol. BP	265	200	270	117	509	25
HYH0201506NBP99	Gero pump unit 50Hz 20cm³ 1,5kW 6-pol. BP	282	200	335	117	573	36
HYH0201504NBP99	Gero pump unit 50Hz 20cm³ 1,5kW 4-pol. BP	265	200	295	117	533	26
HYH0202204NBP99	Gero pump unit 50Hz 20cm³ 2,2kW 4-pol. BP	277	200	315	117	553	25
HYH0301106NBP99	Gero pump unit 50Hz 30cm³ 1,1kW 6-pol. BP	265	200	270	124	515	25
HYH0301506NBP99	Gero pump unit 50Hz 30cm³ 1,5kW 6-pol. BP	282	200	335	124	580	37
HYH0301504NBP99	Gero pump unit 50Hz 30cm³ 1,5kW 4-pol. BP	265	200	295	124	540	26
HYH0302204NBP99	Gero pump unit 50Hz 30cm³ 2,2kW 4-pol. BP	277	200	315	124	560	30
HYH0401106NBP99	Gero pump unit 50Hz 40cm³ 1,1kW 6-pol. BP	265	200	270	128	520	26
HYH0401506NBP99	Gero pump unit 50Hz 40cm³ 1,5kW 6-pol. BP	282	200	335	128	585	37
HYH0402204NBP99	Gero pump unit 50Hz 40cm³ 2,2kW 4-pol. BP	277	200	315	128	565	30
HYH0403004NBP99	Gero pump unit 50Hz 40cm³ 3,0kW 4-pol. BP	282	200	335	128	585	33
HYH0601506NBP99	Gero pump unit 50Hz 60cm³ 1,5kW 6-pol. BP	282	200	335	139	595	38
HYH0602206NBP99	Gero pump unit 50Hz 60cm³ 2,2kW 6-pol. BP	300	230	335	139	595	40
HYH0602204NBP99	Gero pump unit 50Hz 60cm³ 2,2kW 4-pol. BP	277	200	315	139	575	31
HYH0603004NBP99	Gero pump unit 50Hz 60cm³ 3,0kW 4-pol. BP	282	200	335	139	595	34
HYH0604004NBP99	Gero pump unit 50Hz 60cm³ 4,0kW 4-pol. BP	300	230	335	139	595	45
HYH0801506NBP99	Gero pump unit 50Hz 80cm³ 1,5kW 6-pol. BP	282	200	335	150	605	39
HYH0802206NBP99	Gero pump unit 50Hz 80cm³ 2,2kW 6-pol. BP	300	230	335	150	605	41
HYH0802204NBP99	Gero pump unit 50Hz 80cm³ 2,2kW 4-pol. BP	277	200	314	150	585	32
HYH0803004NBP99	Gero pump unit 50Hz 80cm³ 3,0kW 4-pol. BP	282	200	335	150	606	35
HYH0804004NBP99	Gero pump unit 50Hz 80cm³ 4,0kW 4-pol. BP	300	230	335	150	606	46

*...depending motor type

This data sheet and the corresponding technical drawings serve solely as a general guideline and a technical overview of our products. Please contact us for additional information. We always try to keep the technical data up to date. However, due to constant development, no guarantee can be given for the correctness of the information (or printing errors). This applies to general properties such as dimensions, colors and weight. Any cooling performances and general technical values indicated in this catalogue are measured at a test benches according to asa testing procedures or calculated based on such tests and may therefore deviate from values obtained by test procedures from other manufacturers. The performance can vary by around +/- 15%. All information and calculation values are provided to the best of our knowledge, they do not represent intrinsic product properties and it is strongly recommended that the product is tested under the actual operating conditions. All drawings shown here are to be understood as schematic representations. For exact dimensions and the applicable tolerances, please ask for the corresponding scale drawings. Any form of liability is excluded for the information included in this datasheet. asa GmbH reserves the right to modify the product without any separate notification. This refers to both technical data and the product itself. Furthermore, it is herewith specified that the datasheet and the corresponding scale drawings are not a substitute for the assembly, installation and operating instructions.

© asa technology, September 2026

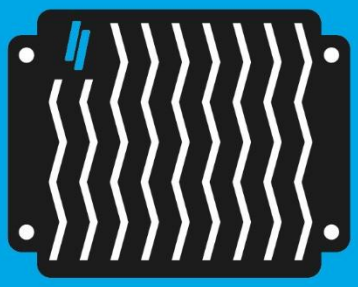
Company

asa stands for innovations and reliable solutions that are already being used by our customers in various mobile and stationary applications. With over 40 years of experience in thermal systems, connection technology, and fluid control, we have become a global leader in advanced fluid power solutions. Our experience fosters progress to grant you competitive pricing, consistent product performance, and exceptional reliability.

History

1980-1990

- Hydraulic components distribution, service and system integration
- Manufacture of valves and components
- Heat exchanger Shell & Tube platform "Silver ST80



Thermal Management Systems

Our heat exchangers are designed and produced with an innovative spirit and a passion for technology, ensuring highest performance and quality.

- Bar & Plate: oil and water/glycol coolers
- Tube & Fin: coolant cooler, silent pump, electronics cooler
- Shell & Tube

1990 - 2000

- Specializing on heat exchanger market
- Manufacture first modular cooler system in plate & bar "OKO" (2 brazing lines)
- Foundation of asa hydraulic of America Inc./ USA



Ventilation & Drive

We offer a broad range of ventilation solutions. The installation space influences the choice of the most suitable airflow technology, thus ensuring the optimal configuration for volume flow, efficiency and noise reduction.

- Ventilation: adjustable fan blade systems
- Six phase sensorless VR-motor
- Electronic fan speed control, temperature control

2000 - 2010

- Foundation of asa Products Pty Ltd / Australia
- Foundation of asa Hydraulik Technology
- Patents:
  - AUC - 1st flexible connectors
  - ABP - 1st intergated bypass tube
  - ATT - asa extruded profil



Fluid Controls

The asa gerotor pumps meet the demands of modern fluid power systems, while our centrifugal water pump units are designed primarily to create compact, cost-efficient cooling circuits for electric devices, such as battery packs and electric motors.

- Gerotor pumps
- Centrifugal water pumps

2010 - 2020

- New R&D Center / Austria
- Manufacture of water/oil pumps
- Foundation of asa heat exchanger Pvt. Ltd / India
- Patents:
  - x-changer "Fusion of heat exchanger & ventilation"
  - Multiaxial silent absorber



Connection Technology

Our connection product collection fills technological gaps in various markets and applications.

- Silent absorbers
- Multi-axle vibration absorbers
- Expansion joints
- Hybrid SAE/DIN shut-off valves

2020 - today

- New technology of six phase sensorless VR-motors
- Manufacture ST heat exchanger
- Manufacture X wings (new lead fins)
- Foundation of asahydraulic do Brasil Pvt. Ltd /Brazil
- Patents:
  - META - microchannel with flexible lead fins
  - AHM - hybrid shell tube heat exchanger

discover reliable technology!



Thermal Systems
Connection Technology
Fluid Controls



asa group
R&D Center
Vienna / AUSTRIA
Tel.: +43 1 292 40 20
support@asahydraulik.com



asa technology
Produktions- und
Vertriebs GmbH
Vienna / AUSTRIA
Tel.: +43 1 292 40 20
support@asahydraulik.com



asa hydraulik
Technology
(Suzhou) Co., Ltd.
CHINA
Tel.: +86 512 6238 1988
suzhou@asahydraulik.com



asa hydraulik of
America
New Jersey / USA
Tel.: +1 800 473 94 00
Tel.: +1 908 541 15 00
sales_us@asahydraulik.com



asa Products Pty Ltd
Melbourne /
AUSTRALIA
Tel.: +61 3 9397 6129
melbourne@asahydraulik.com



asa heatexchangers
Pvt Ltd
Ahmedabad / INDIA
Tel.: +91 70 4390 7273
salesindia@asahydraulik.com



asa Hydraulik do
Brasil Ltda
Sao Paulo / BRAZIL
Tel.: +55 11 5026 8228
sales_brazil@asahydraulik.com

asa technology Produktions- und Vertriebs GmbH
www.asa-innovation.com
www.asahydraulik.com