

Re-Designed by  
Research and  
Development Team

# A10

## Bent Axis Pump +MotoKit (2019)



Bi-Directional  
**Bent Axis Pump**  
380-420 Bar Working Pressure  
2200 RPM Working Speed...

External  
**MotoKit**  
Easy Installation, 10 min.  
Upgrade Pump to Motor

Bi-Directional  
**Bent Axis Motor**  
450 Bar Working Pressure  
High Rotational Speed...

Size: 12cc, 18cc, 25cc, 32cc, 40cc, 50cc, 63cc, 80cc, 108cc, 130cc

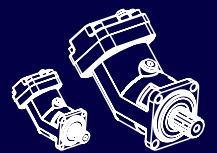
### External ByPass Valve

380-420 Bar High Pressure  
High Rotational Speed  
Slim Design

A10 - Bent Axis Pumps

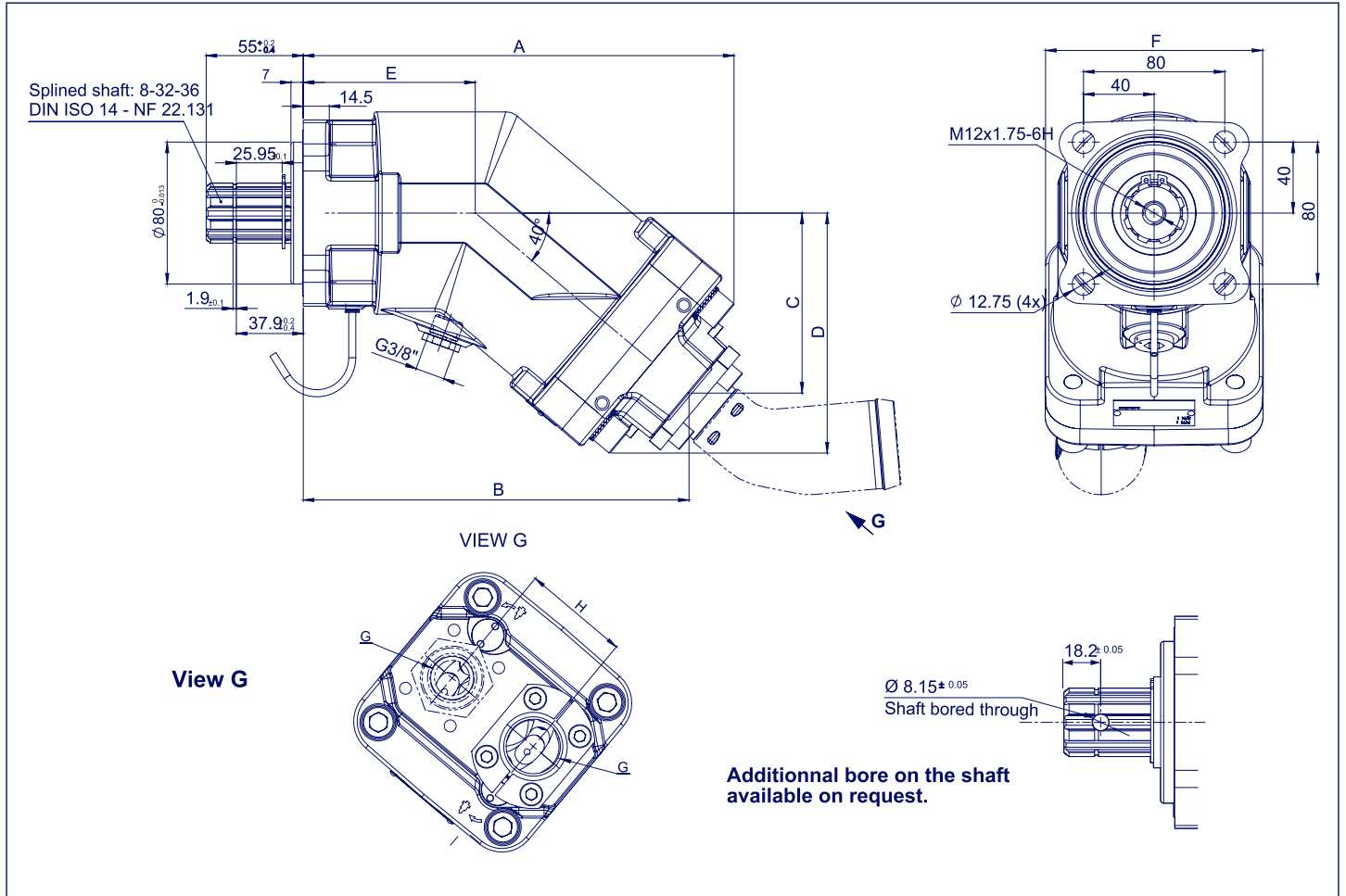
Become Distributor

# Today

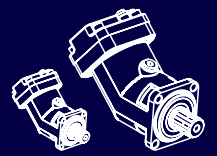


# A10

## Bent Axis Pump + Motokit (2019)



Pump reference	Displac. (cc/rev)	Maximum continuous pressure (bar)	Maximum intermittent peak pressure < 5 seconds (bar)	Maximum rotating speed at absolute pressure 1 bar with inlet line 2' (rpm)	Max. torque absorbed at 380 bar (N.m)	Weight		Overhang torque	
						without inlet fitting (kg)	with inlet fitting (kg)	without inlet fitting (N.m)	with inlet fitting (N.m)
<b>12 cc</b>	12	380	420	3150	76	9.	9.6	8.7	9.17
<b>18 cc</b>	18	380	420	2900	114	9.2	9.	8.7	9.21
<b>25 cc</b>	25	380	420	2750	159	9	9.75	8.8	9.26
<b>32 cc</b>	32	380	420	2700	204	1	11.55	11.	11.55
<b>41 cc</b>	41	380	420	2550	261	11.	11.6	11.1	11.6
<b>50 cc</b>	50.3	380	420	2450	318	11	11.65	11.7	12.23
<b>63 cc</b>	63	380	420	2300	401	11.	11.7	11.8	12.28
<b>80 cc</b>	80.4	380	420	2150	509	14.	15.3	17.8	18.36
<b>108 cc</b>	108.3	380	420	1900	687	14.	15.4	17.9	18.48
<b>130 cc</b>	129.8	380	420	1750	827	15.	15.8	18.7	19.28

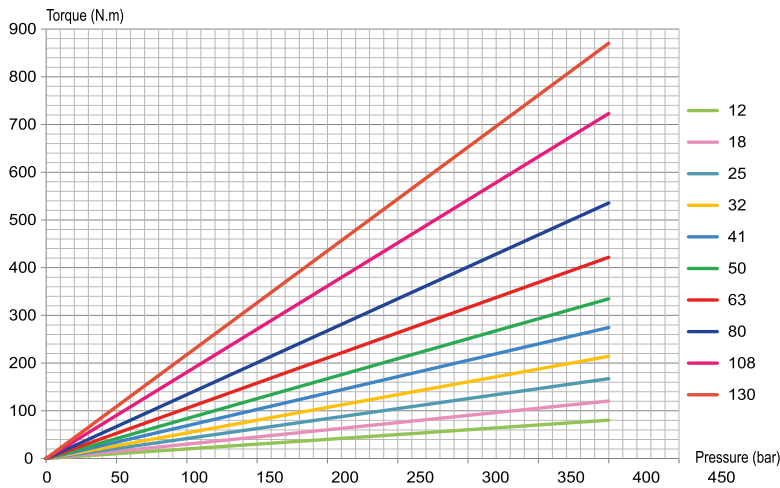


# A10

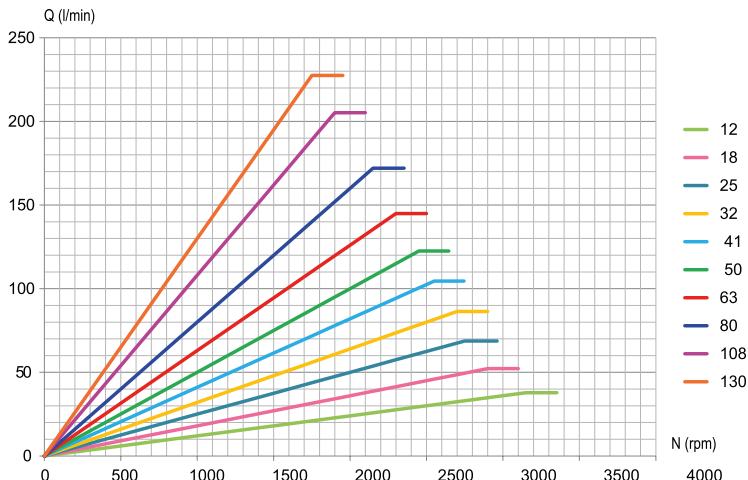
## Bent Axis Pump + Motokit (2019)

Pump reference	A	B	C	D	E	F	G	H
<b>12 cc</b>	196.7	177.8	77.1	103.9	85.7	108	G 3/4"	54
<b>18 cc</b>	196.7	177.8	77.1	103.9	85.7	108	G 3/4"	54
<b>25 cc</b>	196.7	177.8	77.1	103.9	85.7	108	G 3/4"	54
<b>32 cc</b>	202.8	184	82.3	109.1	85.7	108	G 3/4"	54
<b>41 cc</b>	202.8	184	82.3	109.1	85.7	108	G 3/4"	54
<b>50 cc</b>	214.4	195.6	92	118.9	85.7	108	G 3/4"	54
<b>63 cc</b>	214.4	195.6	92	118.9	85.7	108	G 3/4"	54
<b>80 cc</b>	241.7	220.	10	133.3	97.4	123	G 1"	60
<b>108 cc</b>	241.7	222.	10	133.3	97.4	123	G 1"	60
<b>130 cc</b>	244	224	10	135.2	97.4	123	G 1"	60

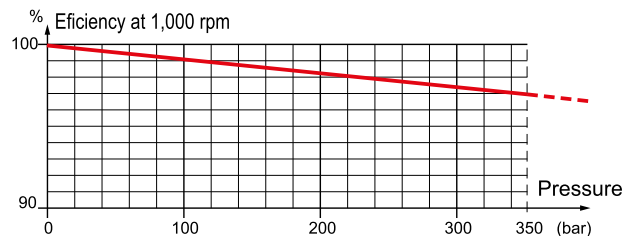
► Torque absorbed as a function of pump output pressure

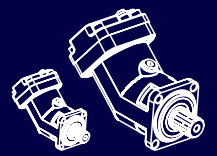


► Flow as a function of rotating speed



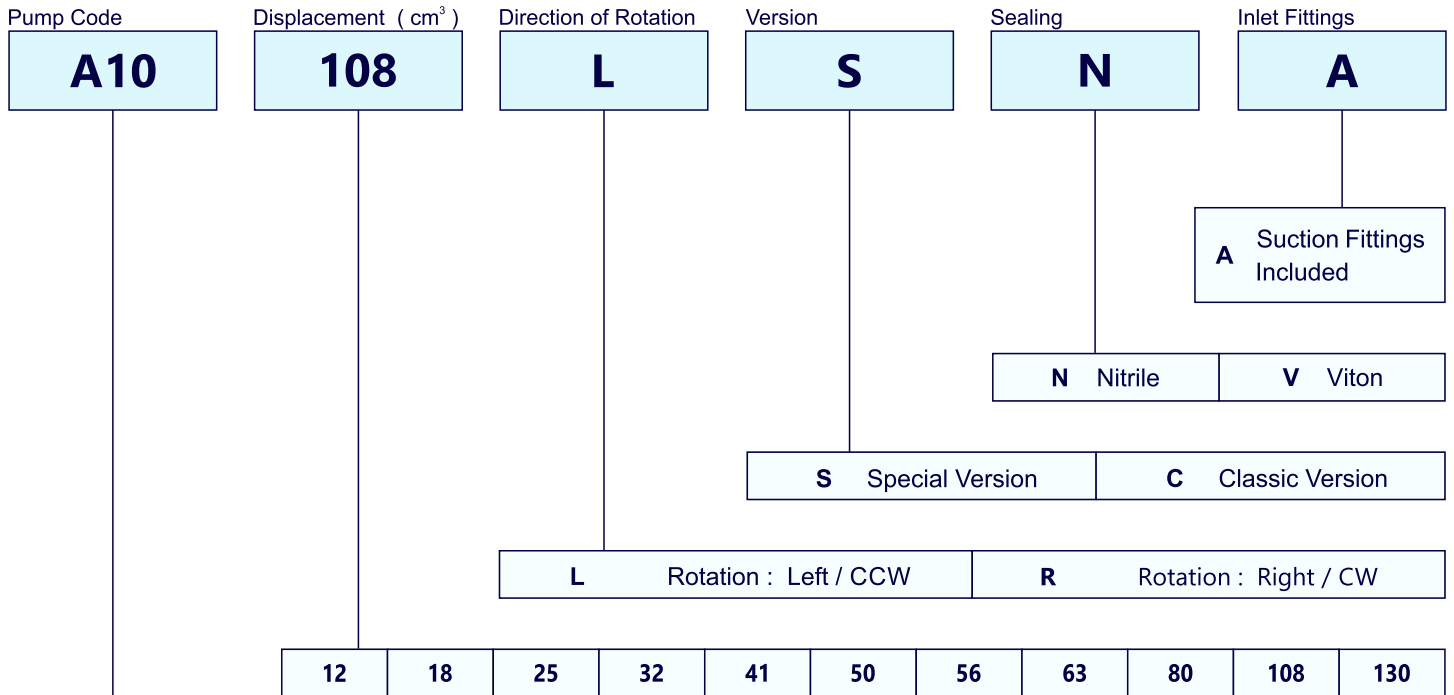
► Volumetric efficiency





# A10

## Bent Axis Pump +Motokit (2019)



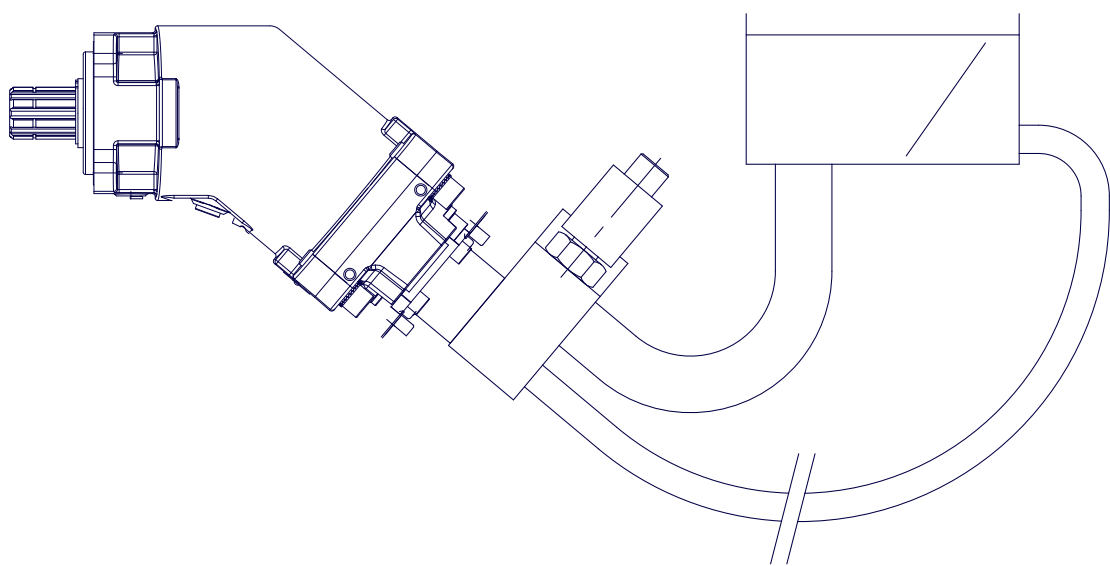
**A** Suction Fittings Included

**N** Nitrile      **V** Viton

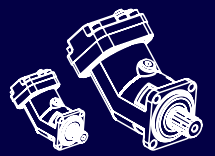
**S** Special Version      **C** Classic Version

**L** Rotation : Left / CCW      **R** Rotation : Right / CW

**A10 Bent Axis Piston Pump +MotoKit, Fixed Displacement, 380 @ 420 bar.**



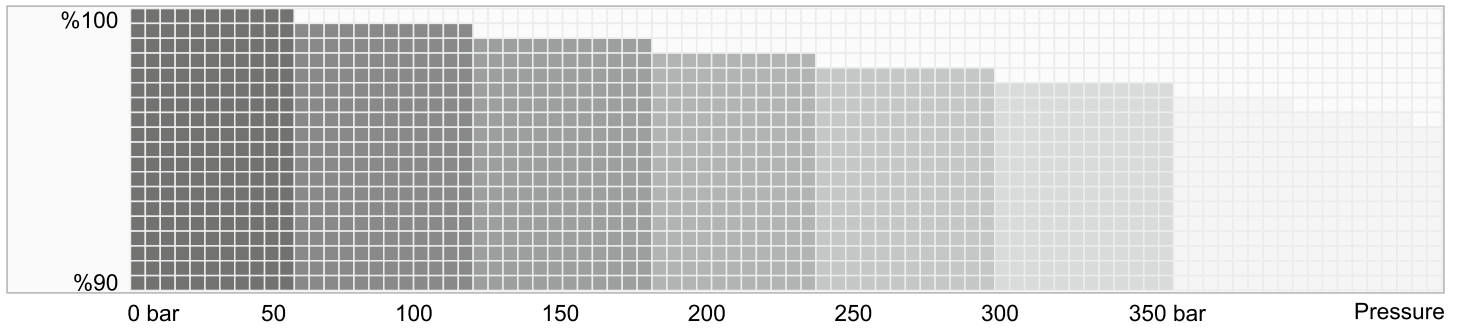
<b>Overhang Torque</b>	- Without inlet fitting	<b>N.m</b>	8,20	8,70	8,75	8,82	11,00	11,12	11,72	11,79	11,82	17,80	17,92	19,90
	- With inlet fitting	<b>N.m</b>	8,65	9,15	9,19	9,23	11,52	11,40	12,20	12,24	12,28	18,33	18,45	20,45



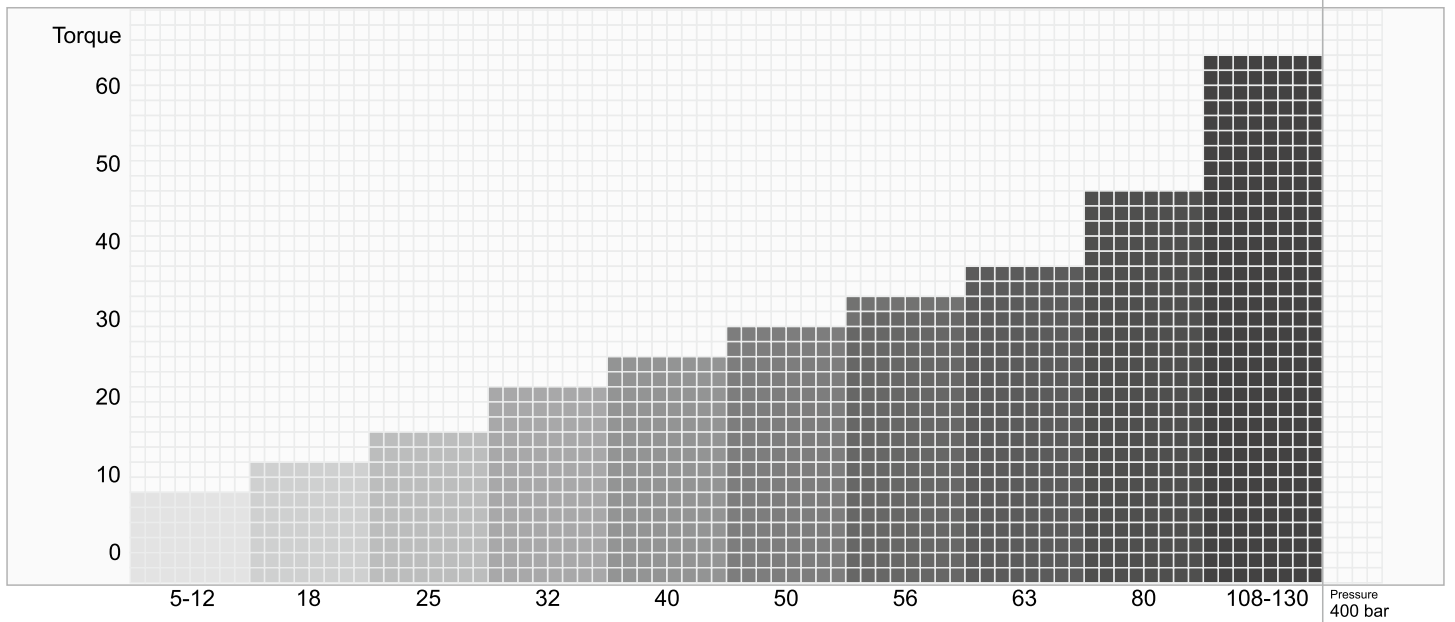
# A10

## Bent Axis Pump + Motokit (2019)

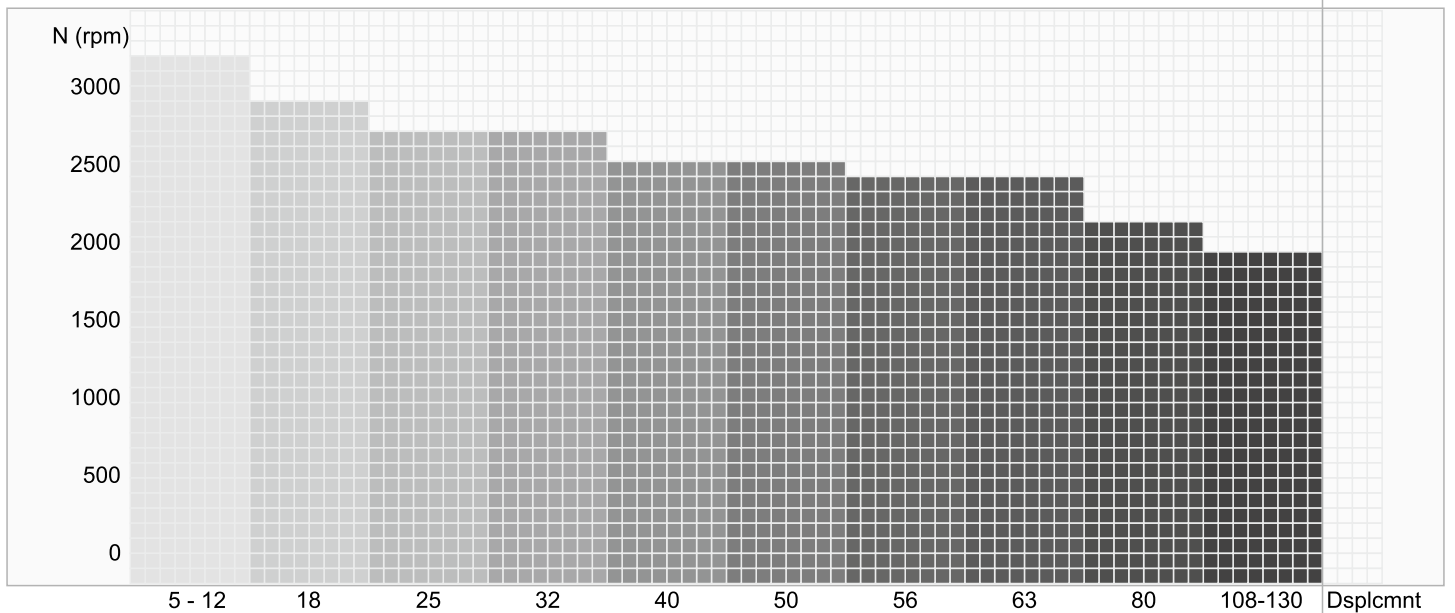
Efficiency Curves ( 1000 rpm )



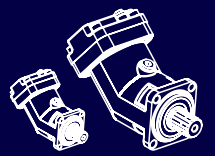
Torque with Pump Output Pressure



Flow with Pump Speed





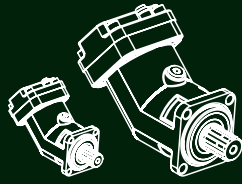


## Hydraulic Pumps & Motors

**A8PD**

**DIN**

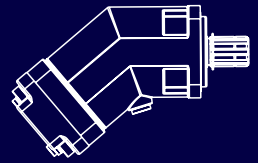
Bent Axis Piston Pumps



**A9MD**

**DIN**

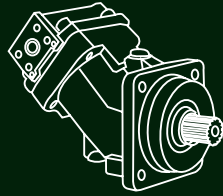
Bent Axis Piston Motors



**A8PO**

**ISO**

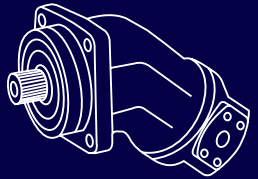
Bent Axis Piston Pumps



**A9MO**

**ISO**

Bent Axis Piston Motors



**A8PS**

**SAE**

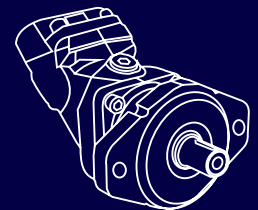
Bent Axis Piston Pumps



**A9MS**

**SAE**

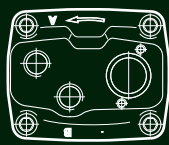
Bent Axis Piston Motors



**A8PL**

**Dual Flow**

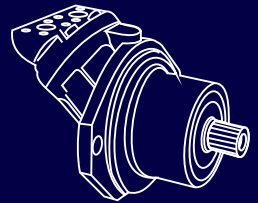
Bent Axis Piston Pumps



**A9MF**

**Fixed Plug-in**

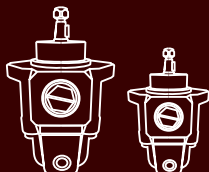
Bent Axis Piston Motors  
Semi-integrated



**A6HP**

**High Pressure**

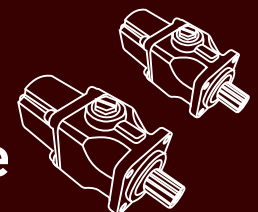
Piston Pumps

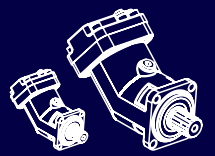


**A4PP**

**High Pressure**

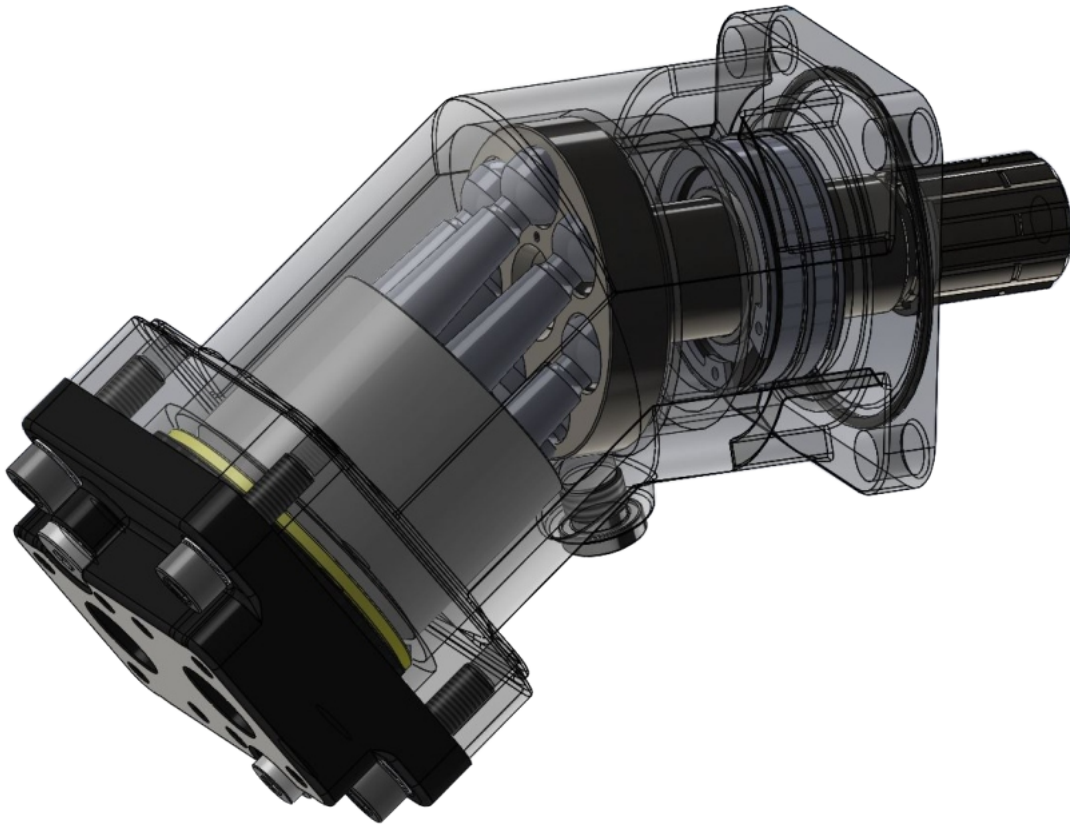
Axial Piston Pumps





# A10

Bent Axis Pump + Motokit (2019)



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[www.goldhydraulics.com](http://www.goldhydraulics.com)



# Complete Product Range

## Piston Pumps

## Piston Motors

# DIN

DIN 5462 / ISO 14  
8x32x35  
8x32x36  
DIN 6885



**A8PD**



**A9MD**

# ISO

ISO 3019-2 (4 BOLTS)  
DIN 5480 -W25,30,35,40,45  
DIN 6885 -Ø20,25,30,35,40,45



**A8PO**



**A9MO**

# SAE

SAE B2 C4 - SAE D  
SAE J498b  
SAE J 744



**A8PS**



**A9MS**

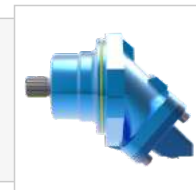
# M2

Fixed Plug-in

DIN 5480 / ISO 3019-2  
W30 - W35 - W40  
M21 - M22 - M23



**A8PL - Dual Flow**



**A9MF - Semi integrated**

# A4

DIN ISO 14  
8x32x36



**A4PP Single Flow**



**A4PL Dual Flow**

# A6

P2 Connection M8x125  
Woodruff key 3x6,5 NF E  
27-653 NF R 124-04  
(2 BOLTS)



**A6HP - High Pressure**



**A7GP - Gear Pump  
A7GM - Gear Motor**

# Contact



Gold Hydraulics, Ltd.

2019® Catalogue

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Bent Axis Motors  
Dual Flow Piston Pumps and Gear Pumps...

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