

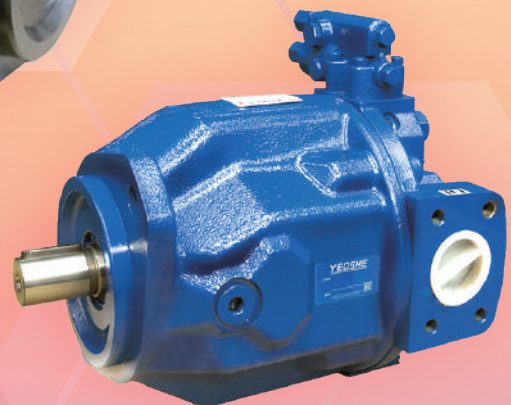


YEOSHE

Special pump for construction vehicles

High Efficiency Transmission

New Energy-Saving and Carbon-Reducing Technology



YEOSHE HYDRAULICS TECHNOLOGY CO.,LTD.



Upholding professionalism

Quality first • Efficiency prioritized

Service above all • Sustainable operation

Founded in 1989, **YEOSHE** is a professional hydraulic manufacturer in Taiwan, known for high-quality hydraulic pumps and machines. With over 30 years of experience, **YEOSHE** has built a reliable reputation in both domestic and international markets, offering piston pumps, gear & vane pumps, hydraulic machines, power units, hydraulic valves, and related components.

Continues to serve global partners with innovative technology, efficient performance, reliable quality, and trustworthy service. We invite you to become our loyal partners and promise to exceed your expectations.

YEOSHE maintains strict quality control and uses advanced machinery to stay competitive. Our processes are ISO certified, ensuring we meet market trends and customer needs.





1. Innovative swashplate shaft structure and large compensation piston significantly improve vibration noise and flow pulsation.
2. The rigid structure and high-speed, low-friction design make the pump's lifespan and efficiency more ideal.
3. The modular design allows for more diverse control mechanisms, making it easier for designers to change control functions themselves.
4. The robust through-shaft design can be used for tandem, multi-unit, or connection with other pumps.
5. By applying the energy-saving pump control system, it can greatly improve power consumption, oil temperature rise, system precision, and lifespan.
6. Widely used in the vehicle industry, marine, forging, tire machines, injection molding machines, machine tools, and specialized machines.

Instantaneous : 420 bar

- **Ordering code (Preferred Program)**

[See more details](#)



A10VO 52、53 Series Variable Displacement Piston Pump



Nominal pressure : 250 bar
Maximum pressure : 315 bar

• Features

1. Variable pump with axial piston rotary group in swashplate design for hydrostatic drives in open circuit.
2. Flow is proportional to drive speed and displacement.
3. The flow can be infinitely varied by adjusting the swashplate angle.
4. Stable bearing for long service life
5. High permissible drive speed
6. Favorable power-to-weight ratio - compact dimensions
7. Low noise
8. Excellent suction characteristics
9. Electrohydraulic pressure control
10. Power control
11. Electro proportional swivel angle control
12. Short control times

See more details



• Ordering code (Preferred Program)

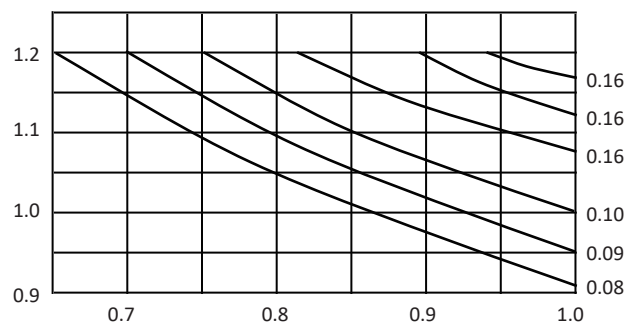
A10V(S)	O			/	5			-	P	P	A	12	N00
1	2	3	4		5	6	7		8	9	10	11	12
Axial piston unit					Series				Mounting flange		Through drive		
Operation mode					Drive shaft				Drive shaft		Connector for solenoids		
Control device					Direction of rotation				Service line port				
Size (NG)													

Specifications				18	28	45	60	63	85	100
Displacement (cc/rev)		Vg max	MI/r	18	28	45	60	63	85	100
Speed (rpm)	At Vgmax	No max	rpm	3300	3000	2600	2600	2600	2500	2300
	At Vg < Vg max	No max zul	rpm	3960	3600	3120	3140	3140	3000	2500
Flow rate (L/min)	At No max	qvo max	L/min	59	84	117	156	163	212	230
	At Ne = 15000 rpm	qvE max	L/min	27	42	68	90	95	128	150
Power (kW)	At No max	Po max	kw	25	35	49	65	68	89	96
	At Ne = 15000 rpm	PE max	kw	11	18	28	37	39	53	62
Torque (Nm)	At Vgmax (when $\Delta P = 25$ MPa)	T max	Nm	71	111	179	238	250	338	398
	At Vgmax (when $\Delta P = 10$ MPa)	T max	Nm	29	45	72	95	100	135	159
Filling capacity (L)		V	L	0.25	0.3	0.5	0.8	0.8	1.0	1.0
Weight (without thru-shaft drive, approximate) (kg)		m	kg	11.5	14	18	22	22	34	34

• Technical Parameters

- Working pressure range - Inlet side
Absolute pressure at port S (Inlet)
P abs min ————— 0.8 Bar
P abs max ————— 5 Bar
- Working pressure range - Outlet side
Pressure at port B
Rated pressure Pn ————— 250 Bar
Maximum pressure Pmax ————— 315 Bar

Increase the inlet pressure Pabs at the suction port S or decrease the allowable speed of the pump at maximum displacement.

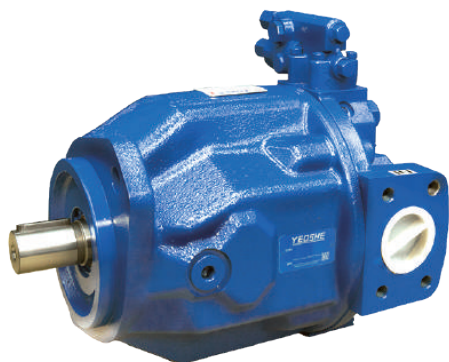


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A10VSO 31 Series Variable Displacement Piston Pump



Nominal pressure : 280 bar
Maximum pressure : 350 bar

• Features

1. Variable pump with axial piston rotary group in swashplate design for hydrostatic drives in open circuit.
2. Flow is proportional to drive speed and displacement.
3. The flow can be infinitely varied by adjusting the swashplate.
4. The through drive is suitable for adding gear pumps and axial piston pumps up to the same size, i.e., 100% through drive.
5. Suitable for operation with mineral oil and HF hydraulic fluids.
6. 2 drain ports.
7. Excellent suction characteristics.
8. Low noise level.
9. Long service life.
10. Good power to weight ratio.
11. Versatile controller range.
12. Short control time.

See more details



• Ordering code (Preferred Program)

A10VSO					O	45	DFLR	31		R	V		P	A	12	N00	
1	2	3	4	5	/		6	7	-		8	9	10	11	12	13	
Version		Operation mode		Control device		Series		Rotation direction		Seals		Version		Service line port		Connectors for solenoids	
Axial piston unit																	
				Size (NG)													
														Mounting flange 18 & 28		Through drive	



For small excavators 6~9t

CAT Series : 305 / 305.5E / 307E / 907



• Product Description

1. With heavy load bearing and long service life
2. Adjustable speed drive
3. Short response time
4. Low noise

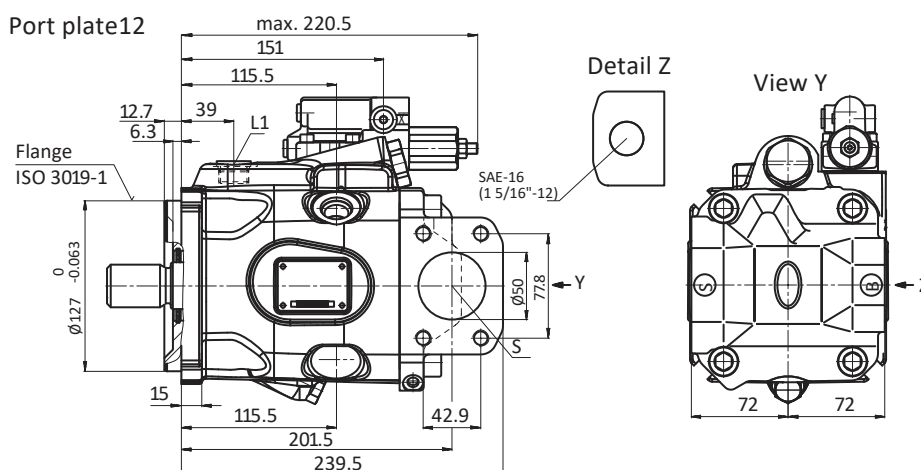
See more details



• Specification

Model	Displacement (MI/r)	Working pressure (Mpa)	Max.pressure (Mpa)	Splined Shaft(T)	Weight (Kg)	Excavator (Ton)
358-500401	63	25	31	14	25	6~8
402-0183-01				15		
423-009702						
455-7947-00						

• Dimensions size



• Ports

Designation	Port for	Standard	Size ⁴⁾	Maximum pressure [bar] ⁵⁾	State
B	Service line, fixing thread	SAE J518 ⁶⁾ DIN 13	1 in M10 x 1.5 ; 17 depth	315	O
S	Service line, fixing thread	SAE J518 ⁶⁾ DIN 13	2 in M12 x 1.75 ; 20 depth	5	O
L	Case drain fluid	ISO 11926 ⁷⁾	7/8-14UNF-2B ; 13 depth	2	O ⁸⁾
L1、L2 ⁸⁾	Case drain fluid	ISO 11926 ⁷⁾	7/8-14UNF-2B ; 13 depth	2	X ⁸⁾
X	Control pressure	ISO 11926 ⁷⁾	7/16-20UNF-2A ; 11.5 depth	315	O

1. ANSI B92.1a· 30° pressure angle, flat root, side fit, tolerance class 5.
2. Splines according to ANSI B92.1a, run out of spline is a deviation from standard.
3. Thread according to ASME B1.1.
4. For the maximum tightening torques the general instructions on FINAL PAGE must be observed.
5. Depending on the application, momentary pressure spikes can occur. Consider this when selecting measuring equipment and fittings.
6. The spot face can be deeper than as specified in the standard.
7. Depending on the installation position, L, L1 or L2 must be connected.
O = Must be connected (plugged on delivery)
X = Plugged (in normal operation)



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PVS Series Variable Volume Piston Pump

Line painting spray pump



1. Bent axial structure, variable volume piston pump to reach the effect of safety and energy-saving type.
2. Various pressure adjustable handwheel direction, easy to set the space for equipments.
3. Foot mounting design can be locked on the panel and suitable for the connection of motor and thru drive option-coupling.
4. Flange type can be locked on motor (direct type) to reduce space waste.

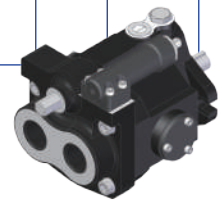
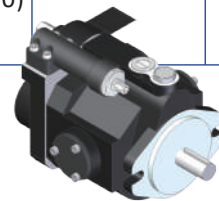
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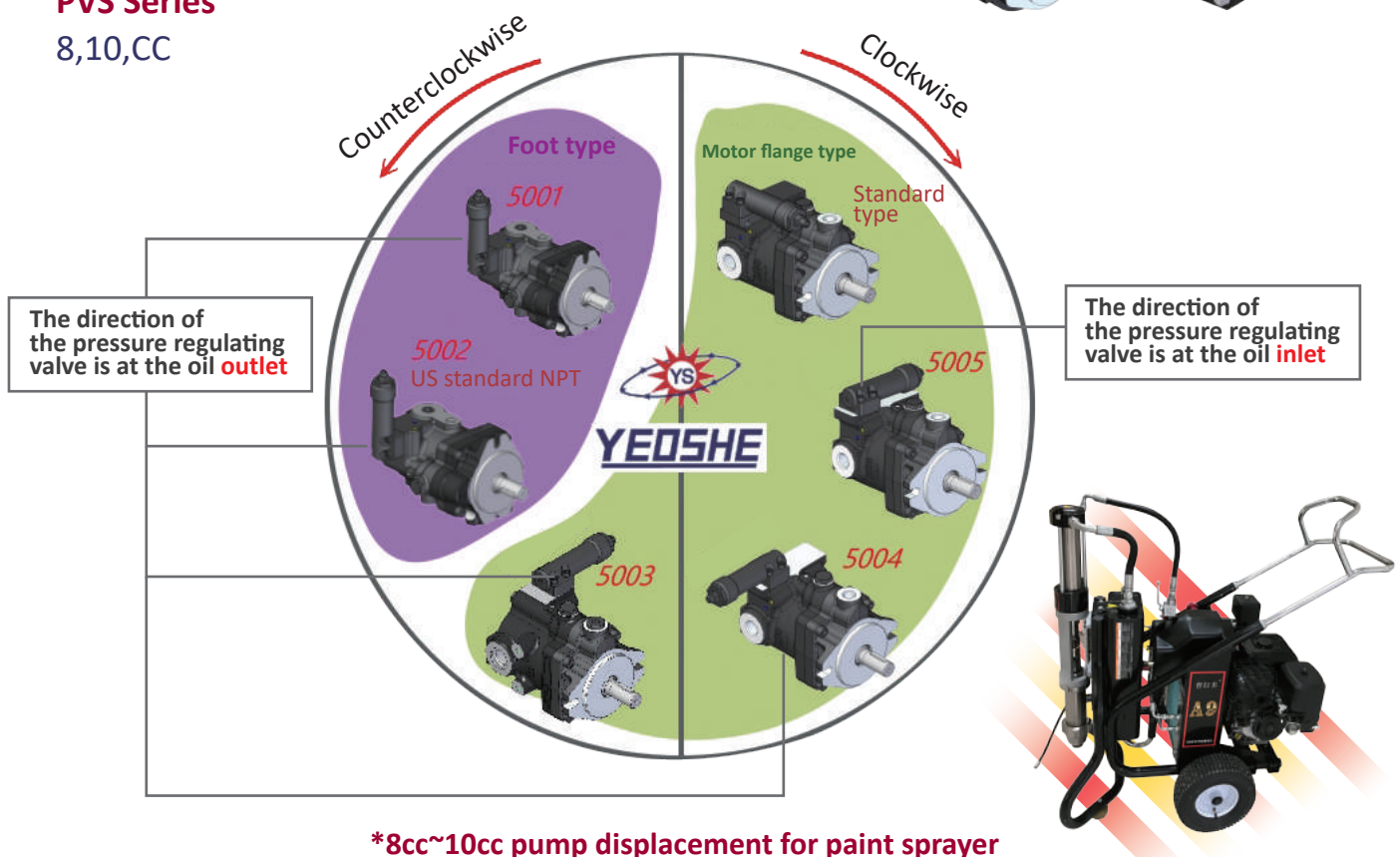
Suitable machine type : forging 、 forming equipment 、 spray painting

• Specification

Model	Volume cm ³ /rev	Displacement volume at no-load l/min				adjustment range Mpa(kgf/cm ²)	permitted peak pressure Mpa(kgf/cm ²)	rotation speed min ⁻¹		Weight KG
		1000 min ⁻¹	1200 min ⁻¹	1500 min ⁻¹	1800 min ⁻¹			min	max	
PVS04	4.0	4.0	4.8	6.0	7.2	2~03.5 (20.4~35.7)	25 (255)	500	2000	7.7
PVS08	8.0	8.0	9.6	12.0	14.4	2~07 (20.4~71.4)				
PVS10	10	10	12	15.0	18	3~14 (30.6~143)				
PVR18	10	10	12	15.0	18	3~21 (30.6~214)				
						3~24.5 (30.6~250)				



PVS Series 8,10,CC



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YEOSHE BEST CHOICE
Innovative Technology

Efficient Performance
Reliable Quality and Service



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