



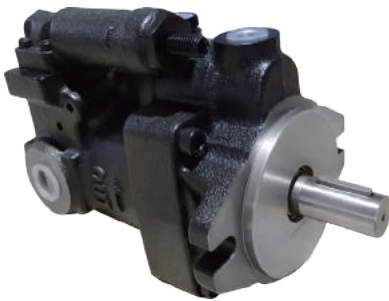
PVS Industrial Pumps

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1

PVS Series axial variable piston pump

PVS Industrial Pumps



1. Semi-circular barrel swash plate that receives pressure on its surface ensures a stable discharge volume at all times and reduce loss.
2. Proprietary low-noise mechanisms are incorporated on the shoe, swash plate, valve plate, and other locations to ensure silent operation.
3. Changeable valve assembled direction, easy for installation.

Wide application: forging machines, forming machines, and large work machines.

Specification

Model	Displacement volume at no-load Pump Delivery (7 bar) 100 PSI						Pressure Adj Range Mpa(kgf/cm²)	Permitted Peak Pressure Mpa(kgf/cm²)	Rotation Speed		Weight
	cm³/rev	In³/rev	1500 RPM		1800 RPM				Min. RPM	Max. RPM	KG (LB)
			LPM	U.S. GPM	LPM	U.S. GPM					
PVS08	08	0.48	12	3.17	14.4	3.8	0: 2~03.5 (20.4~35.7) 1: 2~07 (20.4~71.4) 2: 3~14 (30.6~143) 3: 3~21 (30.6~214) 4: 3~24.5(30.6~250)	25(255)	500	2000	8.22
PVS10	10	0.61	15	3.9	18	4.76					
PVS12	12	0.73	18	4.76	21.6	5.73					
PVS15	15	0.90	22.5	5.9	27	7.1					

Dimensions

PVS	08	A	3	R	-	B	K	N	10	N	F	N	-	1001
1	2	3	4	5		6	7	8	9	10	11	12		13
Series	Size and displacement	Control device	Pressure adjusting	Rotation		Direction of pipe connections	Shaft type	Voltage	Threads type	Thru drive & 2nd pump	Mounting	Seals		Special code (custom made)

Series

1	High pressure axial variable piston pump	PVS
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Displacement

2	08CC	08	※
	10CC	10	※
	12CC	12	△
	15CC	15	※

Control type

3	None pressure compensator		N	※	
	Pressure control		A	※	
	Remote pressure control		G	△	
	Load-sensing control	Load-sensing control		HL□	-
		A	Low : 7KG		
		B	Mid : 14KG		
		C	High : 21KG		
	Muti-stage flow & Singe-stage pressure control (with cylinder)		B	-	
	2-stage pressure & Flow control		C	-	
	2-stage pressure & Flow control + Remote		CG	-	
	Low tension unloading + Pressure control		D	-	
	Low tension unloading + Pressure control + Remote		DG	-	
	Electric 2-stage pressure control		E	-	
	Electric 2-stage pressure control + Remote		EG	-	
	Electric 2-stage pressure control & Flow control		F	-	
	Electric 2-stage pressure control & Flow control + Remote		FG	-	
	Remote pressure compensator with NG6 interface		GM	-	
	Remote pressure compensator + Proportional pressure valve		GJ	-	
	Remote pressure compensator + Electrical unloading		GR	-	
	Remote pressure compensator + 2-stage pressure control		GB	-	
	Remote pressure compensator + Electrical unloading + 2-stage pressure control		GC	-	
	Load-sensing compensator + Proportional flow valve + Relief valve	Pressure		HQ□	-
		A	Low : 7KG		
		B	Mid : 14KG		
C		High : 21KG			
Load-sensing compensator + Proportional pressure valve + Proportional flow valve	Pressure		HK□	-	
	A	Low : 7KG			
	B	Mid : 14KG			
	C	High : 21KG			

■ = available - = on request ※ = standard type △ = custom made



Dimensions

A

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PVS Industrial Pumps

PVS	08	A	3	R	-	B	K	N	10	N	F	N	-	1001
1	2	3	4	5		6	7	8	9	10	11	12		13
Series	Size and displacement	Control device	Pressure adjusting	Rotation		Direction of pipe connections	Shaft type	Voltage	Threads type	Thru drive & 2nd pump	Mounting	Seals		Special code (custom made)

Pressure adjusting

4	None pressure compensator (fixed displacement) (pressure protection required)	N	※
	2~3.5Mpa(20.4~35.7kgf/cm ²)	0	※
	2~7Mpa(20.4~71.4kgf/cm ²)	1	※
	3~14Mpa(30.6~143kgf/cm ²)	2	※
	3~21Mpa(30.6~214kgf/cm ²)	3	※
	3~24.5Mpa(30.6~250kgf/cm ²)	4	※

Rotation

5	Clockwise 	R	※
	Counter clockwise 	L	※

Direction of pipe connections

6	Side port	A	※
	Rear port	B	△
	Side port 、 Pressure control out	C	△
	Side port 、 Pressure control in (Clockwise:left, Counter clockwise:right)	D	△

Shaft type

7	Key15.875(5/8")	K	※
	Key19.05(3/4")	G	※
	Splind shaft 9T	S	△

Voltage

8	None	N	※
	100V 50/60HZ	A	-
	110V 60HZ	B	-
	200V 50/60HZ	C	-
	220V 60HZ	D	-
	DC12V	E	-
	DC24V	F	-

Threads

9	PT(RC) (Inlet PT1/2 Outlet PT1/2)	10	※
	PT(RC) (Inlet PT3/4 Outlet PT1/2)	11	△
	BSPP(G) (Inlet G1/2 Outlet G1/2)	40	△
	BSPP(G) (Inlet G3/4 Outlet G1/2)	41	△
	NPT	50	△
	SAE (ISO 11926-1)	60	△

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Dimensions

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Thre drive & 2nd pump

10	Without thru drive	N	※
	SAE AA 50.8mm	C	-
	SAE A 82.55mm	D	-
	SAE B 101.6mm	E	-
	SAE C 127mm	F	-
	Metric 63mm	I	-
	Metric 80mm	J	-
	Metric 100mm	K	-
	Metric 125mm	L	-

Mounting

11	Flange mtg	F	※
	Foot mtg	L	-

Seals

12	NBR	N	※
	VITON	V	※

Special code

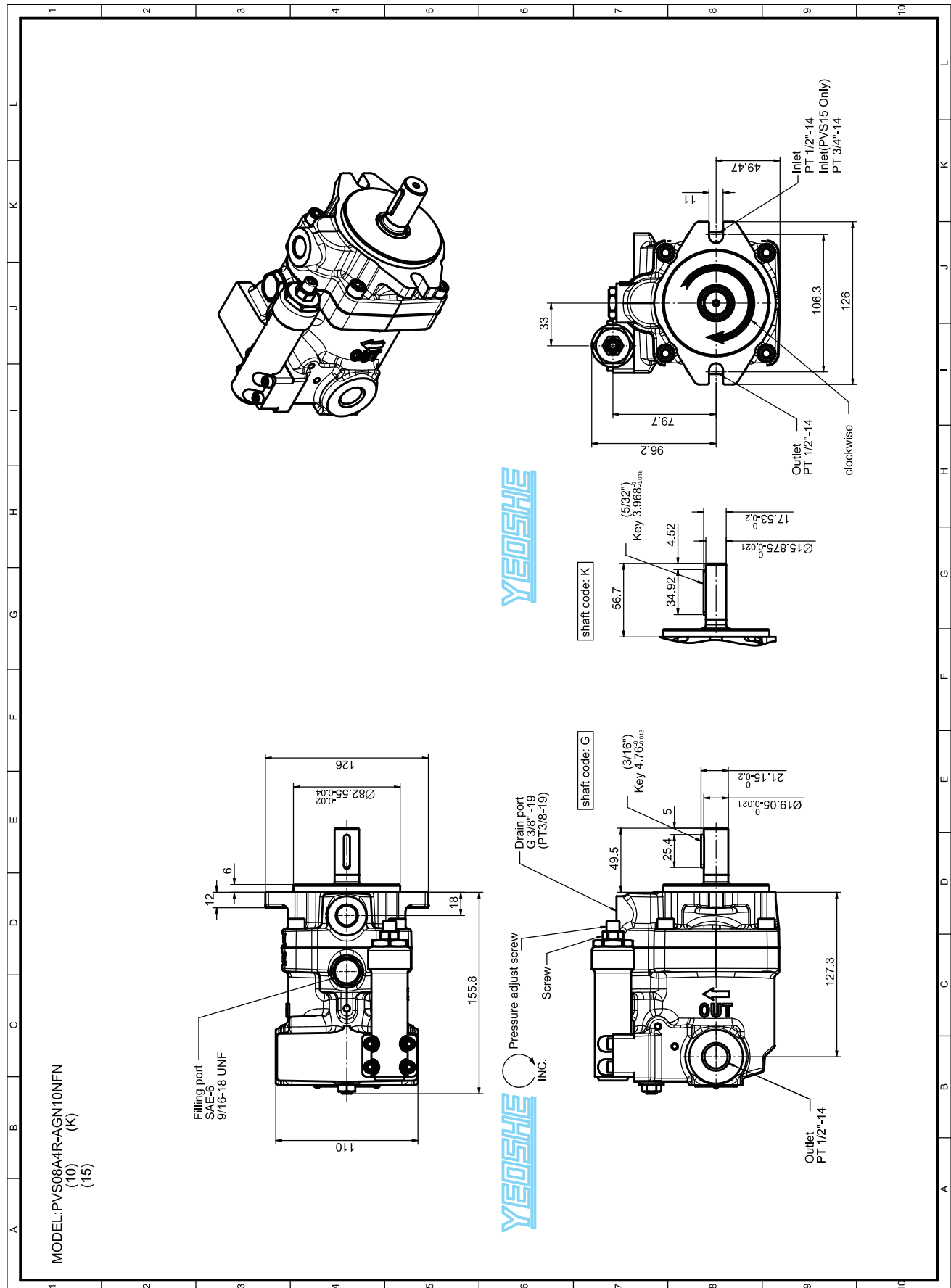
13	Without thru drive	N	※
	PT thread side ports(PT1/2) Rear ports(SAE-6)	5001	※
	NPT thread side ports(NPT1/2) Rear ports(SAE-6)	5002	※
	PT thread side ports(PT1/2) Rear ports(SAE-6)	5003	※
	PT thread side ports(PT1/2) Pressure control out	5004	※
	PT thread side ports(PT1/2) Pressure control in	5005	※

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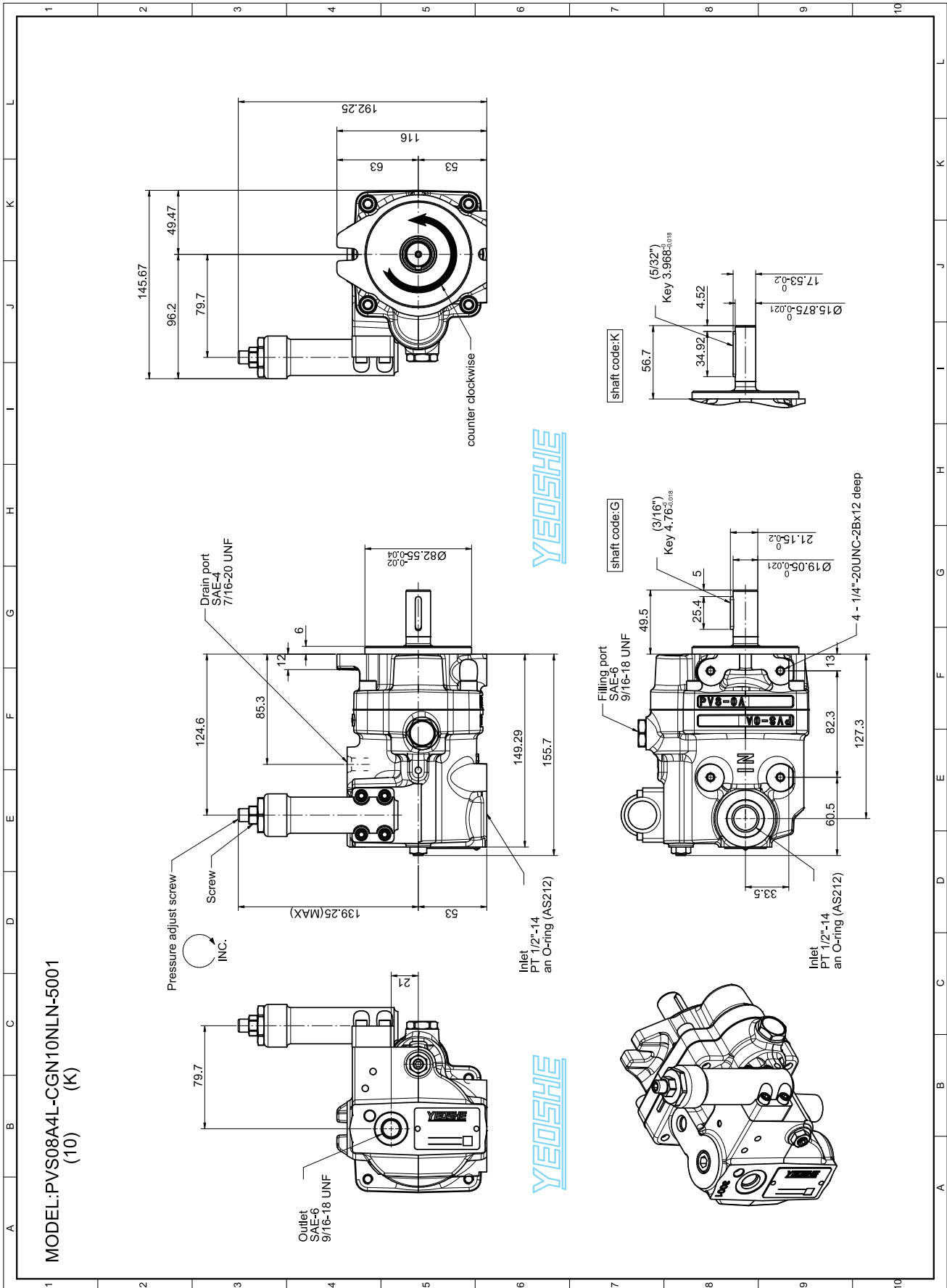
Dimensions

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PVS Industrial Pumps



Dimensions





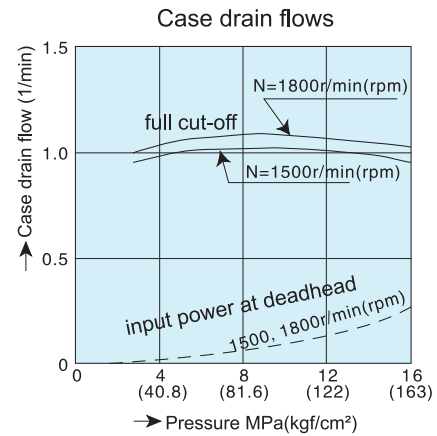
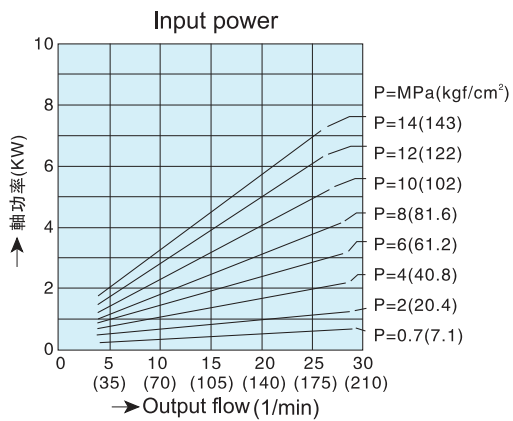
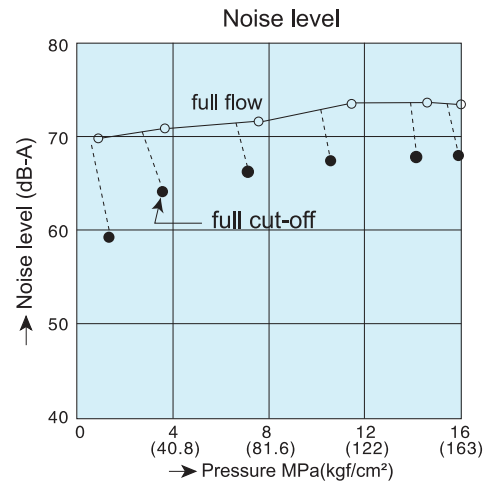
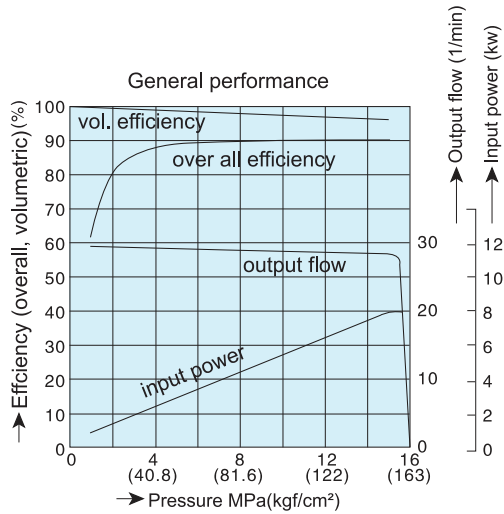
Diagrams

Speed: 1800 r/min Hydraulic oil: ISO VG32 Oil temperature: 50°C

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PVS Industrial Pumps

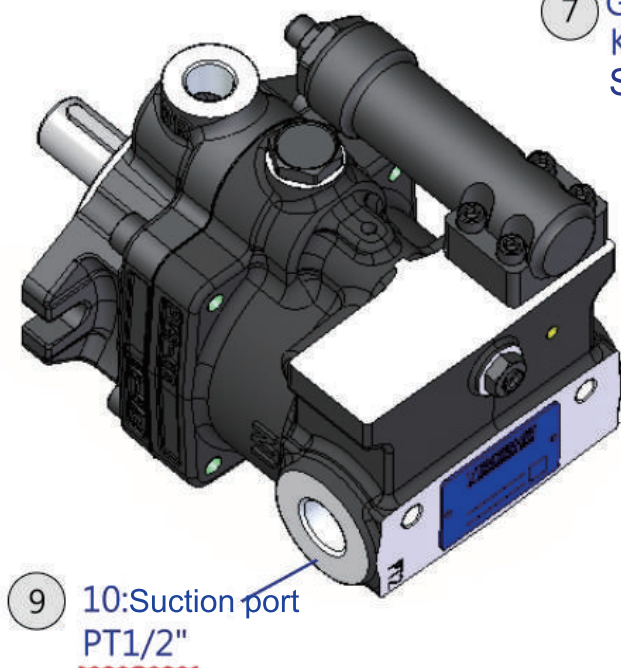
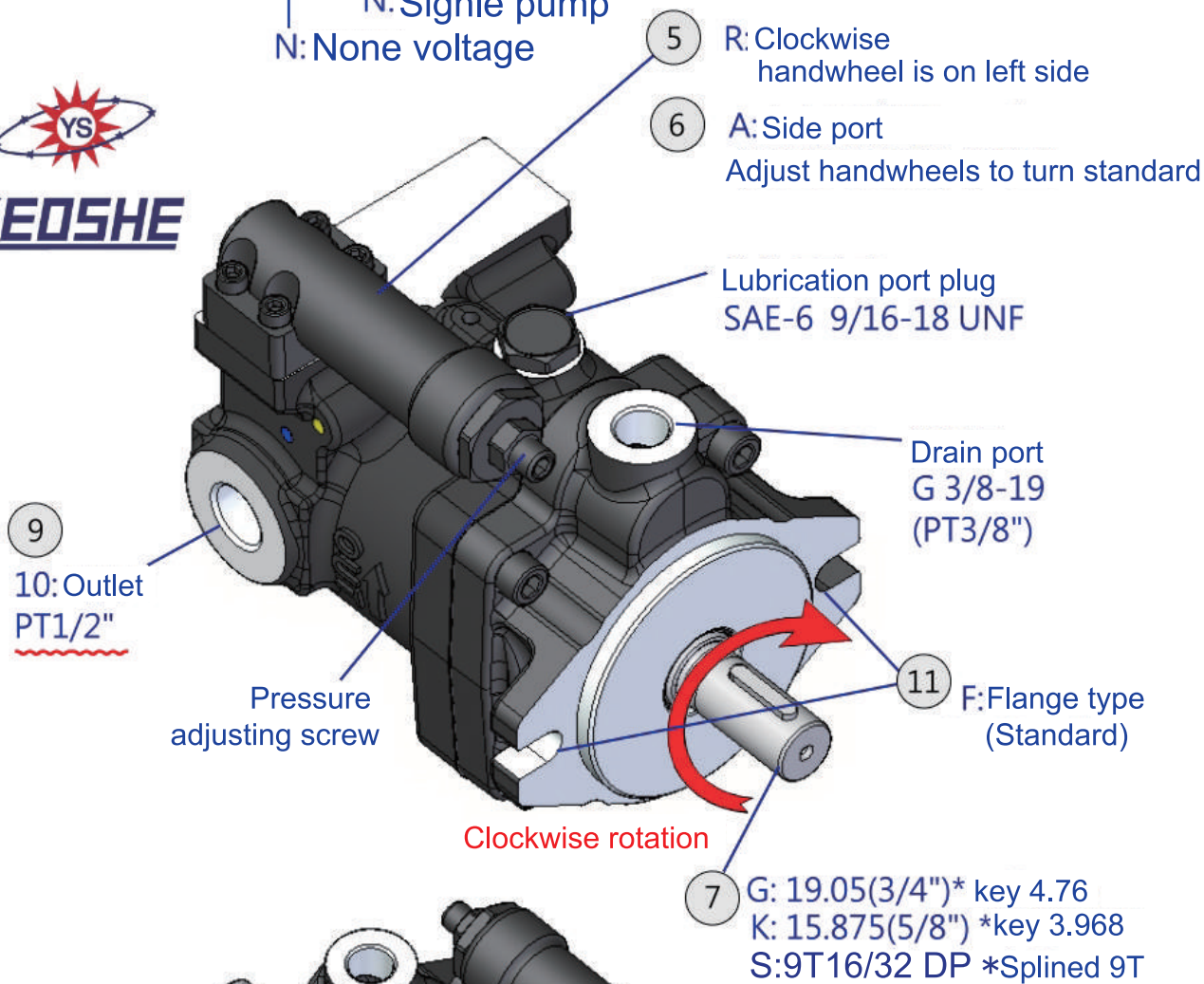


Dimensions

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1	2	3	4	5	6	7	8	9	10	11	12	13
PVS08A4R-AGN10NFN												
10												
Series	Volume	control	pressure	Rotation	Port position	Shaft type	Voltage	Threads code	Thru drive	Mounting		Special code

N:NBR
N: Single pump
N: None voltage



P4

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PVS Industrial Pumps



Order number / Standard product

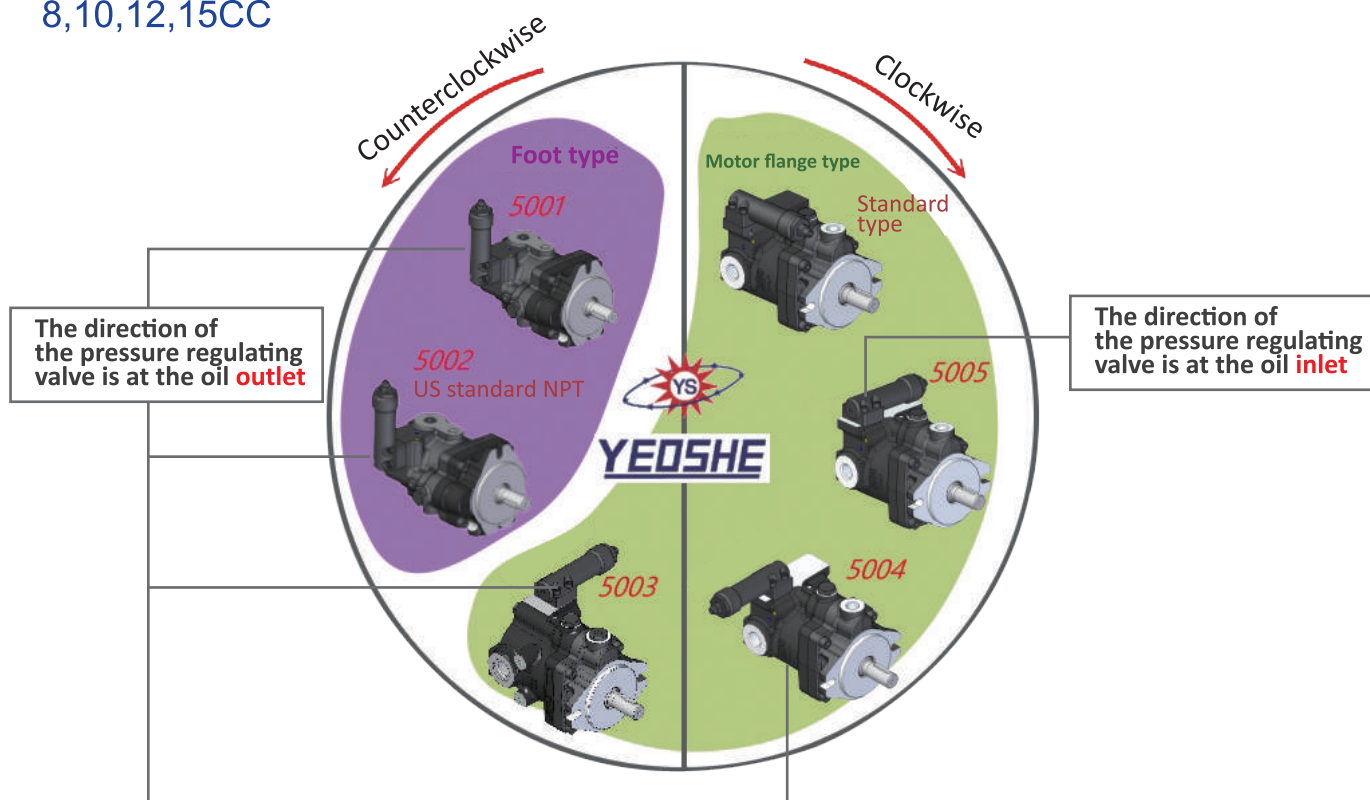
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PVS Industrial Pumps

PVS Series

8,10,12,15CC



Standard stock specification table

Item	Model	Rotation direction	Mounting	Thread	Type
1	PVS08A4L-CGN10NLN-5001 (10) (K)	L CCW	L foot mounting	10PT	OUT
2	PVS08A4L-CGN50NLN-5002 (10) (K)		L foot mounting	50NPT	OUT
3	PVS08A4L-CGN10NFN-5003 (10) (K)		F flang mounting	10PT	OUT
4	PVS08A4R-AGN10NFN (10) (K)	R CW	F flang mounting	10PT	Forward
5	PVS08A4R-CGN10NFN-5004 (10) (K)				OUT
6	PVS08A4R-DGN10NFN-5005 (10) (K)				IN