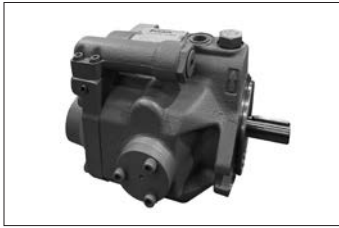


# V series Piston Pump



## Features

- **Low noise**
  - Low noise operation over the entire pressure range has been realized in each series.
- **High efficiency**
  - Fluid temperature rise can be reduced due to the smaller power loss. This means that the tank can be designed in a small size.
- **High reliability**
  - High responsiveness, high stability, and long life make it possible to increase the reliability of the main machine.

## Nomenclature

### ● Pressure compensator control

※ - V ※※ A ※ ※ ※ - ※※ ※※  
 1 2 3 4 5 12 15 16 17

### ● Combination control (pressure feedback method)

※ - V ※※ C ※ ※ R H X - ※※ ※※  
 1 2 3 4 7 8 12 13 15 16 17

### ● Combination control (solenoid operated method)

※ - V ※※ C ※ ※ R J ※ X - ※※ ※※  
 1 2 3 4 7 8 12 13 14 15 16 17

### ● Dual pressure control

※ - V ※※ D ※ ※ R ※ X - ※※ ※※  
 1 2 3 4 9 10 12 14 15 16 17

### ● Power-match control

※ - V ※※ SA ※ ※ ※ ※ - ※※  
 1 2 3 4 6 11 12 15 16

### 1 Applicable fluid code (Refer to Page A-5 for the applicable models and conditions of use)

No designation: Petroleum-based hydraulic fluid  
 W: Water-glycol hydraulic fluid  
 F: Phosphate ester hydraulic fluid

### 2 Model No.

V: V series piston pump

### 3 Pump capacity

8: 8.0 cm<sup>3</sup>/rev  
 15: 14.8 cm<sup>3</sup>/rev  
 23: 23.0 cm<sup>3</sup>/rev  
 38: 37.7 cm<sup>3</sup>/rev  
 50: 51.6 cm<sup>3</sup>/rev  
 70: 69.8 cm<sup>3</sup>/rev

### 4 Control method I (Refer to Page A-4 for the applicable models)

A: Pressure compensator control  
 C: Combination control  
 D: Dual pressure control  
 SA: Power-match control

### 5 6 Pressure adjustment range (See the pressure adjustment range table)

### 7 9 Low pressure adjustment range (See the pressure adjustment range table)

### 8 10 High pressure adjustment range (See the pressure adjustment range table)

### 11 FC valve differential pressure

A: 0.7 MPa { 7 kgf/cm<sup>2</sup> }  
 B: 1.4 MPa { 14 kgf/cm<sup>2</sup> }  
 C: 2.1 MPa { 21 kgf/cm<sup>2</sup> }

### 12 Direction of rotation, when viewed from the shaft end (Refer to Page A-4 for the applicable models)

R: Clockwise (rightward)  
 L: Counterclockwise (leftward)

\*The direction of rotation (rightward or leftward) cannot be changed.

### 13 Control method II

H: Pressure feedback method  
 J: Solenoid operated method

### 14 Voltage code for the solenoid valve

A: AC 100 V (50/60 Hz), AC 110 V (60 Hz)  
 B: AC 200 V (50/60 Hz), AC 220 V (60 Hz)  
 N: DC 12 V  
 P: DC 24 V

### 15 Piping direction (Refer to Page A-4 for the applicable models)

No designation: Axial port  
 X: Side port

### 16 Design No. (The design No. is subject to change) \*1

20: Pump model V8, V50  
 95: Pump model V15, V38  
 30: Pump model V23  
 <When control method I is A, CH, or SA>  
 35: Pump model V23  
 <When control method I is CJ or D>  
 60: Pump model V70

### Control method III

17 No designation: Without remote control system  
 RC: With remote control system

Note:\*1 Refer to Page A-68 for information on forward/backward compatibility.

Refer to Page N-2 for hydraulic unit piston packs incorporating V series piston pumps, Page N-17 for NDJ series new DAIPACKs, Page N-22 for ND series Mini-packs, Page N-27 for ND series new DAIPACKs, and Page N-30 for the NT series SSS MARK-II.

## Models and pressure adjustment range table

● **Pressure compensator control (4 = A)**

5 Pressure adjustment range

Code	Pressure adjustment range MPa {kgf/cm <sup>2</sup> }	Without remote control system						With remote control system				
		V8	V15	V23	V38	V50	V70	V15	V23	V38	V50	V70
1	0.8 to 7 { 8 to 70 }	✓	✓	✓	✓	-	-	-	-	-	-	-
1	1.5 to 7 {15 to 70 }	-	-	-	-	✓	✓	-	-	-	-	-
2	1.5 to 14 {15 to 140 }	-	✓	✓	✓	✓	✓	-	-	-	-	-
3	1.5 to 21 {15 to 210 }	-	-	-	-	-	-	✓	-	-	-	-
3	2.0 to 21 {20 to 210 }	-	-	-	-	-	-	-	-	✓	✓	-
3	3.5 to 21 {35 to 210 }	-	✓	✓	✓	✓	✓	-	-	-	-	-
4	1.5 to 25 {15 to 250 }	-	-	-	-	-	-	-	✓	✓	-	-
4	3.5 to 25 {35 to 250 }	-	-	✓	✓	-	-	-	-	-	-	-

● **Combination control [ 4 = C, 13 = H (self-regulation method) or 13 = J (solenoid operated method)]**

7 Low pressure adjustment range

Code	Pressure adjustment range MPa {kgf/cm <sup>2</sup> }	Pressure feedback method				Solenoid operated method		
		V15	V23	V38	V70	V15	V23	V38
1	1.5 to 7 {15 to 70 }	-	-	-	✓	✓	✓	✓
1	2.5 to 7 {25 to 70 }	✓	✓	✓	-	-	-	-
2	1.5 to 14 {15 to 140 }	-	-	-	✓	✓	✓	✓
2	2.5 to 14 {25 to 140 }	✓	✓	✓	-	-	-	-

8 High pressure adjustment range

Code	Pressure adjustment range MPa {kgf/cm <sup>2</sup> }	Without remote control system						With remote control system							
		Pressure feedback method				Solenoid operated method		Pressure feedback method				Solenoid operated method			
		V15	V23	V38	V70	V15	V23	V38	V15	V23	V38	V70	V15	V23	V38
1	1.5 to 7 {15 to 70 }	-	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-
1	2.5 to 7 {25 to 70 }	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-
2	1.5 to 14 {15 to 140 }	-	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-
2	2.5 to 14 {25 to 140 }	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-
3	2.0 to 21 {20 to 210 }	-	-	-	-	-	-	-	-	-	-	-	✓	-	-
3	2.5 to 21 {25 to 210 }	-	-	-	-	-	-	-	✓	-	-	✓	-	-	-
3	3.5 to 21 {35 to 210 }	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
4	2.0 to 25 {20 to 250 }	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓
4	2.5 to 25 {25 to 250 }	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-
4	3.5 to 25 {35 to 250 }	-	✓	✓	-	-	✓	✓	-	-	-	-	-	-	-

● **Dual pressure control (4 = D)**

9 Low pressure adjustment range

Code	Pressure adjustment range MPa {kgf/cm <sup>2</sup> }	V15	V23	V38
1	1.5 to 7 {15 to 70 }	✓	✓	✓
2	1.5 to 14 {15 to 140 }	✓	✓	✓

Note: If both low and high pressure adjustment ranges are the 1st pattern, the pressure adjustment range becomes 0.8 to 7 MPa {8 to 70 kgf/cm<sup>2</sup>}.

● **Power-match control (4 = SA)**

6 Pressure adjustment range

Code	Pressure adjustment range MPa {kgf/cm <sup>2</sup> }	V15	V23	V38	V50	V70
1	0.8 to 7 { 8 to 70 }	✓	✓	✓	-	-
1	1.5 to 7 {15 to 70 }	-	-	-	✓	✓
2	1.5 to 14 {15 to 140 }	✓	✓	✓	✓	✓
3	3.5 to 21 {35 to 210 }	✓	✓	✓	✓	✓
4	3.5 to 25 {35 to 250 }	-	✓	✓	-	-

10 High pressure adjustment range

Code	Pressure adjustment range MPa {kgf/cm <sup>2</sup> }	Without remote control system			With remote control system		
		V15	V23	V38	V15	V23	V38
1	1.5 to 7 {15 to 70 }	✓	✓	✓	-	-	-
2	1.5 to 14 {15 to 140 }	✓	✓	✓	-	-	-
3	2.5 to 21 {25 to 210 }	-	-	-	✓	-	-
3	3.5 to 21 {35 to 210 }	✓	✓	✓	-	-	-
4	2.5 to 25 {25 to 250 }	-	-	-	-	✓	✓
4	3.5 to 25 {35 to 250 }	-	✓	✓	-	-	-

## Contact Details

Before using the product, please check the guide pages at the front of this catalog.

Internet

<https://www.daikinpmc.com/en/>

For latest information, PDF catalogs and operation manuals

## Nomenclature

※ - V ※※ SAJS - ※ ※ X - ※※

1 2 3 4 5 6 7 8

### 1 Applicable fluid code

No designation: Petroleum-based hydraulic fluid  
W: Water-glycol hydraulic fluid

### 2 Model No.

V: V series piston pump

### 3 Pump capacity

23: 23.0 cm<sup>3</sup>/rev  
38: 37.7 cm<sup>3</sup>/rev  
50: 51.6 cm<sup>3</sup>/rev  
70: 69.8 cm<sup>3</sup>/rev

### 4 Control method

SAJS: Power-match control

### 5 Pressure adjustment range

A: Up to 14 MPa {140 kgf/cm<sup>2</sup>}  
B: Up to 17.5 MPa {175 kgf/cm<sup>2</sup>}  
C: Up to 21 MPa {210 kgf/cm<sup>2</sup>}

\* The minimum adjustment pressure varies depending on the model.

### 6 Direction of rotation, when viewed from the shaft end (Refer to Page A-4 for the applicable models)

R: Clockwise (rightward)  
L: Counterclockwise (leftward)

### 7 Piping direction

X: Side port

### 8 Design number (The design number is subject to change)

30: Pump model V23  
95: Pump model V38  
20: Pump model V50  
60: Pump model V70

※ - V 15 A 1 R Y - 95

1 2 3 4 5 6 7 8

### 1 Applicable fluid code

No designation: Petroleum-based hydraulic fluid  
W: Water-glycol hydraulic fluid  
F: Phosphate ester hydraulic fluid

### 2 Model No.

V: V series piston pump

### 3 Pump capacity

15: 14.8 cm<sup>3</sup>/rev

### 4 Control method

A: Pressure compensator control

### 5 Pressure adjustment range

1: 0.8 to 7 MPa {8 to 70 kgf/cm<sup>2</sup>}

### 6 Direction of rotation, when viewed from the shaft end

R: Clockwise (rightward)

### Piping port

Y: Suction port: Flange  
Discharge port: Taper pipe threads

### 8 Design No. (The design No. is subject to change) \*1

Note: \*1 Refer to Page A-69 for information on forward/backward compatibility.

## Specifications

Model No.	Theoretical discharge rate cm <sup>3</sup> /rev	Maximum operating pressure MPa {kgf/cm <sup>2</sup> }	Permissible rotational speed min <sup>-1</sup>	Discharge rate adjustment range 1800 min <sup>-1</sup> L/min		Mass (Control method A) kg	
				Axial port	Side port	Axial port	Side port
V8	8.0	7 {70}	500 to 1800	2 to 14.4		-	8.9
V15	14.8	21 {210}	500 to 1800	4.5 to 26.6	7.5 to 26.6	12.8	14.5
V15 (Type Y)	14.8	7 {70}	500 to 1800	4.5 to 26.6		13.5	
V23	23.0	25 {250}	500 to 1800	12 to 41.4		18.4	21.5
V38	37.7	25 {250}	500 to 1800	34 to 68	36.5 to 68	24.4	26
V50	51.6	21 {210}	500 to 1800	0 to 93		-	50
V70	69.8	21 {210}	500 to 1800	13 to 126		-	55

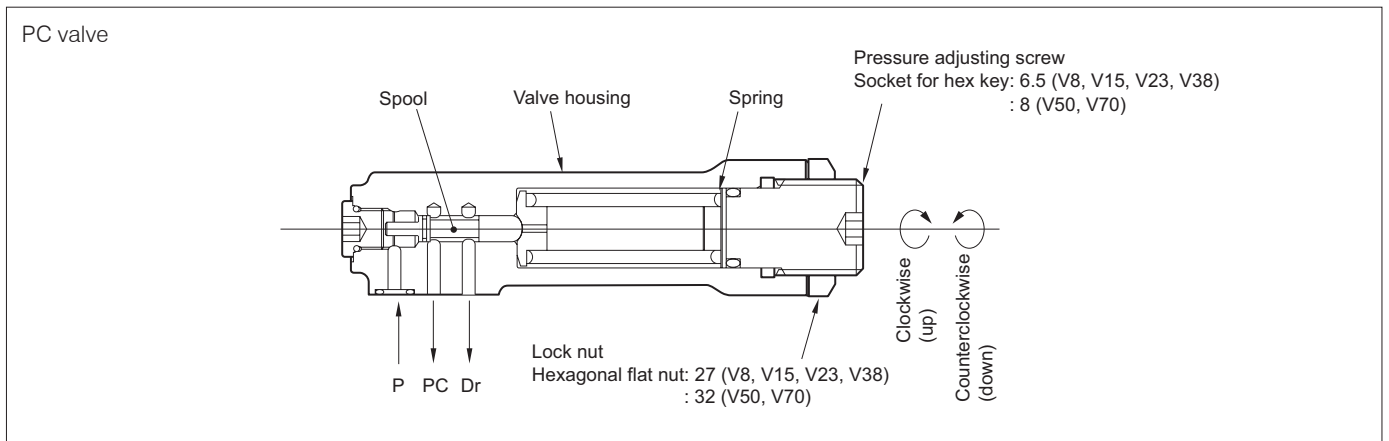
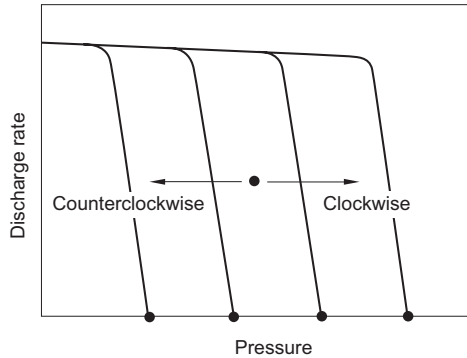
Note: JR-G (T) 02 and JRP-G02 are recommended for the remote control system's relief valve.

If the vent port is blocked, the pressure compensation structure does not work and the pump operates at a fixed pressure.

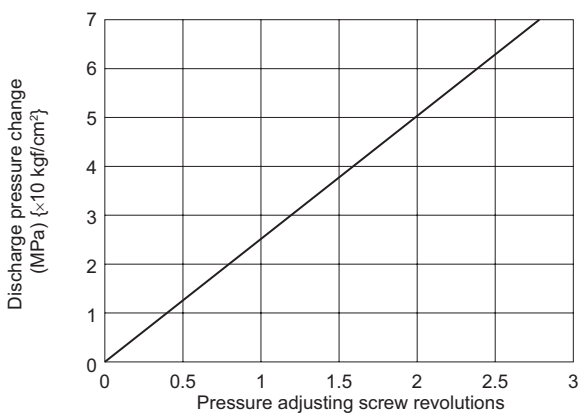
- Foot supports and piping flanges are not provided with the pump. Order them separately as required by referring to Pages S-2 and S-4.

## Relationship between number of revolutions of the pressure adjusting screw and variation of discharge pressure

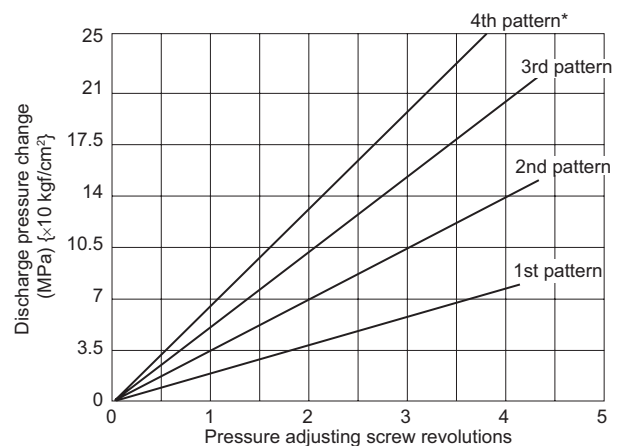
- The discharge pressure can be set to the desired value by turning the pressure adjusting screw of the PC valve.
  - Turning the adjusting screw clockwise increases the pressure.
  - Turning the adjusting screw counterclockwise decreases the pressure.



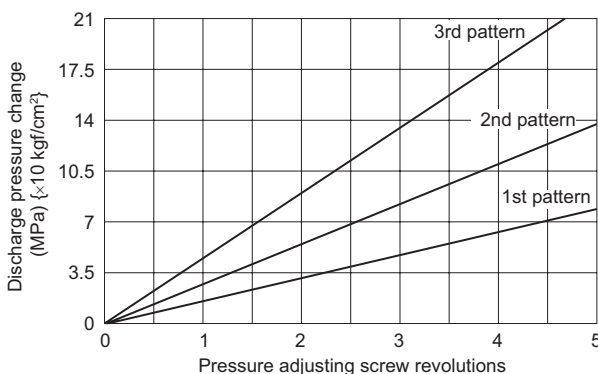
V8



V15, 23, 38



V50, 70



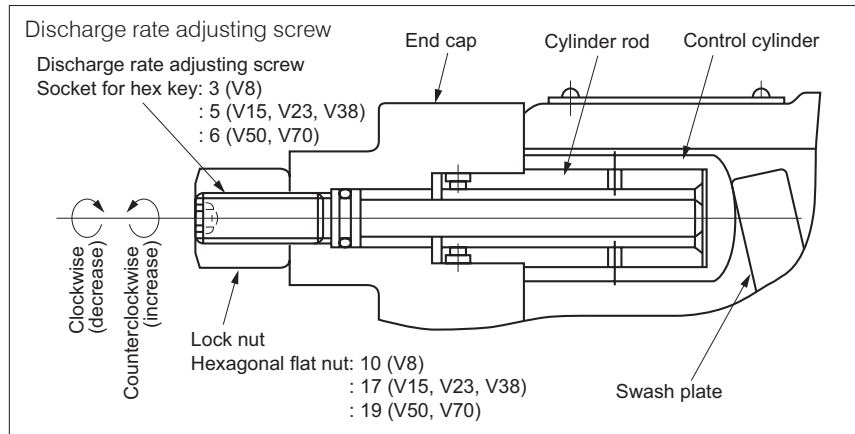
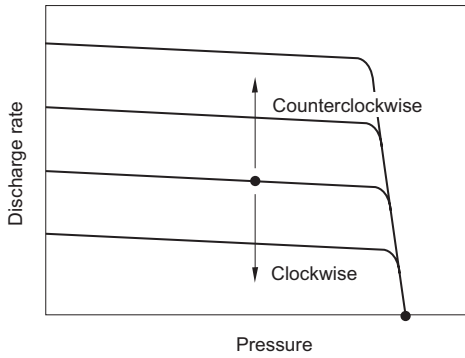
\* The 4th pattern applies to V23 and V38.

\* The 4th pattern pumps have the same characteristics as the 3rd pattern pumps up to 19 MPa.

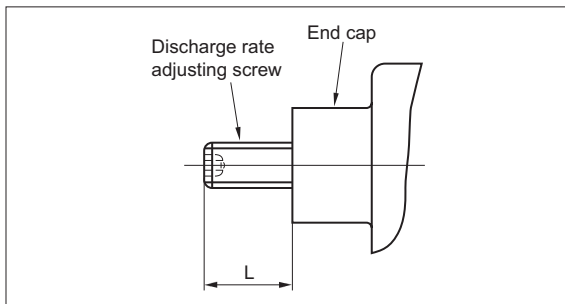
- Excessive loosening of the pressure adjusting screw may cause oil to leak from the threaded section or parts to spring out. Do not loosen the screw beyond the pressure adjustment range.
- The 1st to 4th patterns correspond to the pressure adjustment range designation codes 1 to 4.

## Relationship between the protruding length of the discharge rate adjusting screw and the discharge rate (4 = A, D, SA)

- The maximum discharge rate can be set to the desired value by turning the discharge rate adjusting screw at the end cap.
  - Turning the adjusting screw clockwise decreases the discharge rate.
  - Turning the adjusting screw counterclockwise increases the discharge rate.



- The discharge rate can be roughly judged from the protruding length of the discharge rate adjusting screw (L).



- Overtightening of the discharge rate adjusting screw may cause oil to leak from the threaded section. Do not tighten the screw beyond the adjustment range.

# Contact Details

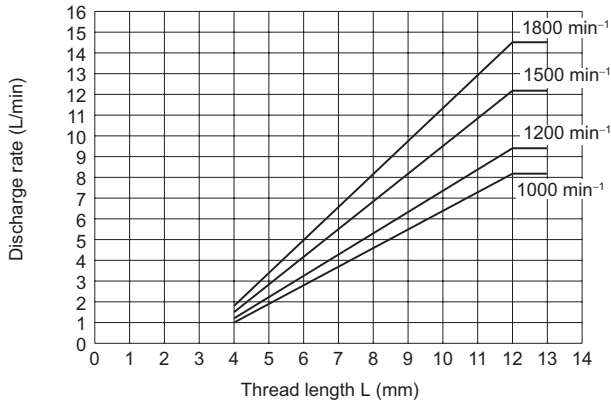
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Internet

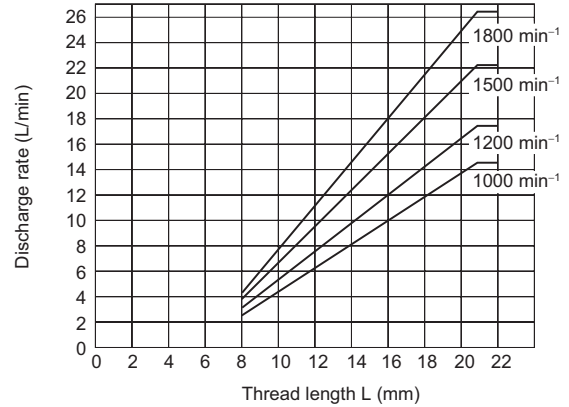
<https://www.daikinpmc.com/en/>

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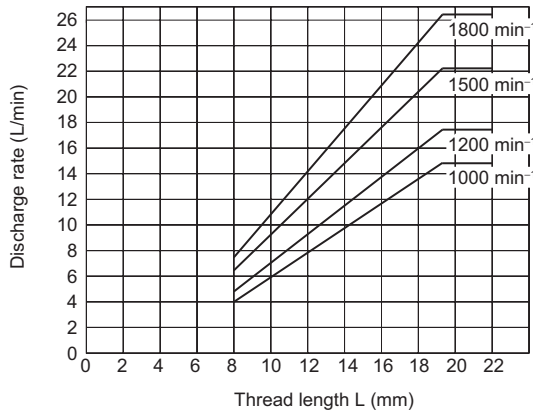
V8 side port



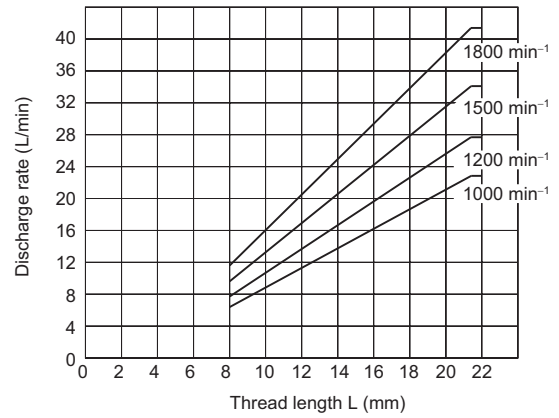
V15 axial port, V15 (type Y)



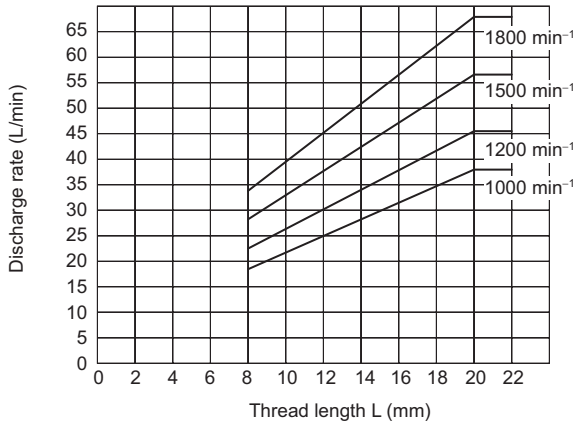
V15 side port



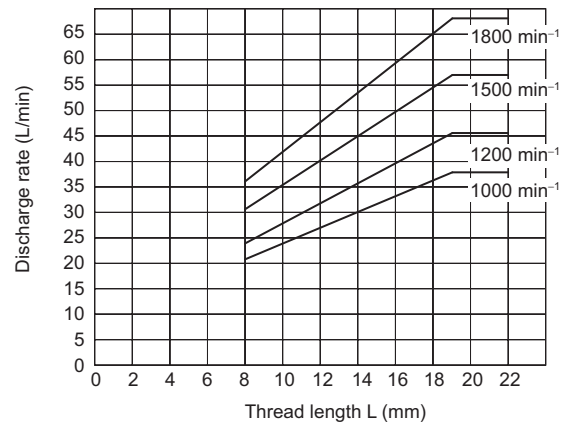
V23 axial port, side port



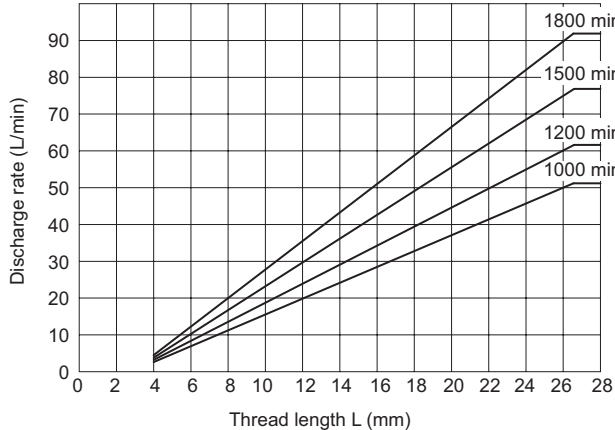
V38 axial port



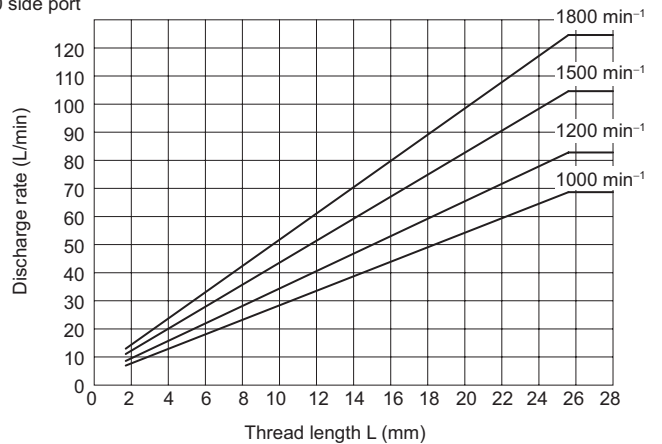
V38 side port



V50 side port



V70 side port



## Relationship between the protruding length of the discharge rate adjusting screw and the discharge rate ( $4 = C$ )

### ● Discharge rate adjustment in combination control

The discharge rate for both the low quantity (QL) and high quantity (QH) ranges can be adjusted as follows:

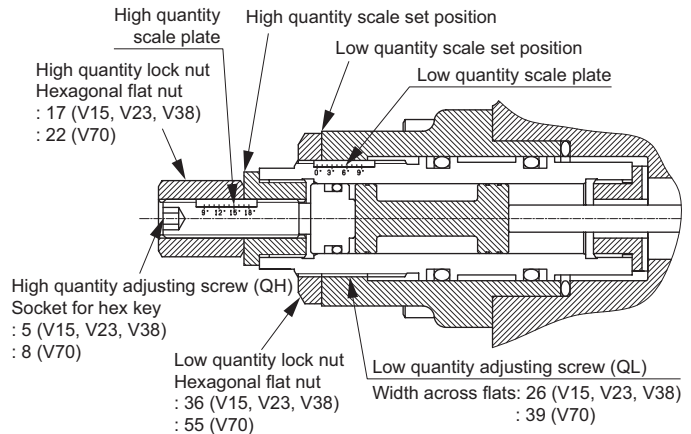
- Turning the adjusting screw clockwise decreases the discharge rate.
- Turning the adjusting screw counterclockwise increases the discharge rate.

The discharge rate adjusting screws are provided with scales on the nameplates as shown below.

Pump model	Scale °	
	Low quantity adjusting screw	High quantity adjusting screw
V15C	0 to 7	5 to 15
V23C	0 to 9	8 to 17
V38C	0 to 9	9 to 18
V70C	0 to 9	6 to 18

(Scale graduation: 1°)

Note: The high quantity adjustment range may be restricted due to the setting for the low quantity range. See the graphs on Page A-15 for details.



Adjust the discharge rate according to the relevant discharge rate adjustment graph by following the procedure below.

- (1) For the low quantity range, read the value for the desired discharge rate on the graph and turn the low quantity adjusting screw to set the scale position to the read value.
- (2) For the high quantity range, read the value for the desired discharge rate on the line corresponding to the value for the low quantity range on the graph and turn the high quantity adjusting screw to set the scale position to the read value.
- (3) When adjusting only the high quantity range, loosen the lock nut and adjust as described above.
- (4) When adjusting only the low quantity range, loosen the lock nut on the high quantity adjustment screw and adjust the setting for the low quantity range as described above while holding the high quantity adjusting screw in place with a hex key.

### ■ Example of adjustment

Example: When adjusting the discharge rate of V15C at 1500 min<sup>-1</sup> to 7 L/min for the low quantity range (QL) and 18 L/min for the high quantity range (QH)

- From the discharge rate adjustment graph for V15C at 1500 min<sup>-1</sup>, first read the value for QL = 7 L/min, which is 4, and adjust the low quantity adjusting screw accordingly.
- Then, read the value for QH = 18 L/min on the line for 4 of QL, which is 7, and adjust the high quantity adjusting screw accordingly.

The setting values indicated above may change slightly depending on the conditions of use (fluid temperature, hydraulic fluid type, etc.)

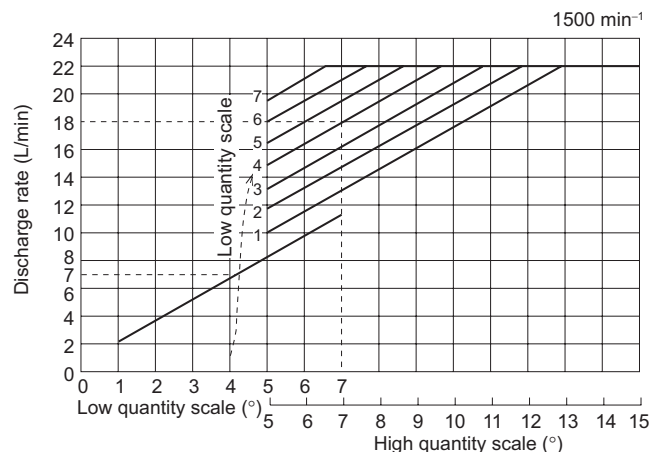
For final fine adjustment, repeat the adjustment described above and achieve the setting appropriate for the actual application.

### Factory settings

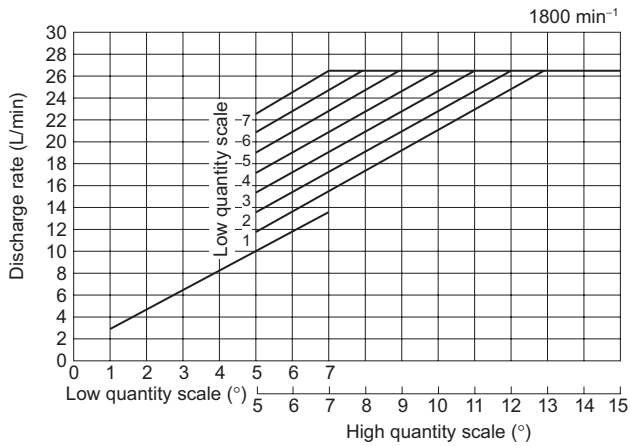
The discharge rate for the high quantity range is factory adjusted to the maximum discharge rate and the discharge rate for the low quantity range is generally factory adjusted as follows.

Pump model	Low quantity (QL) setting
V15C	Scale position: 6°
V23C	Scale position: 8°
V38C	Scale position: 7°
V70C	Scale position: 7°

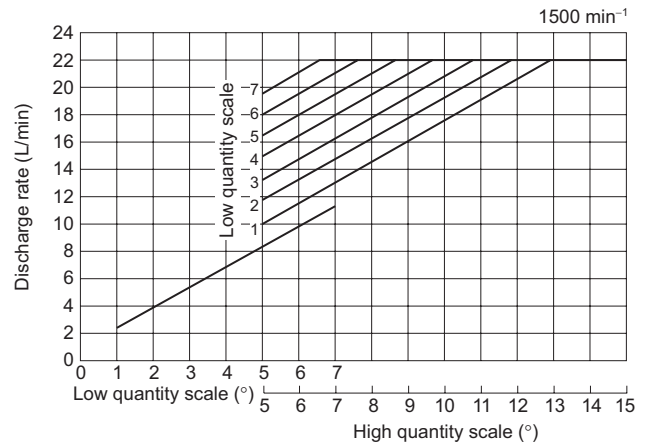
Discharge rate adjustment graph for V15C in combination control



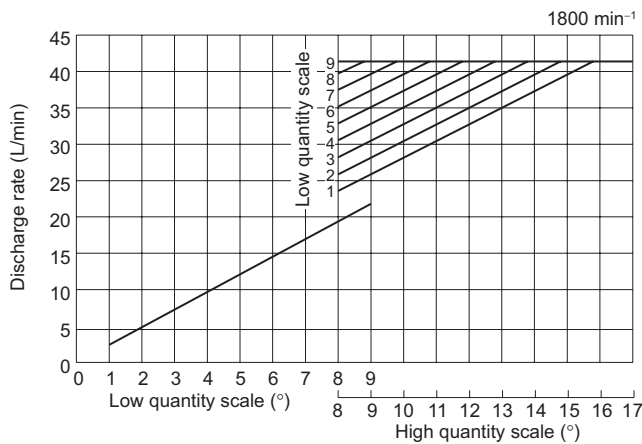
V15C combination control (1800 min<sup>-1</sup>)



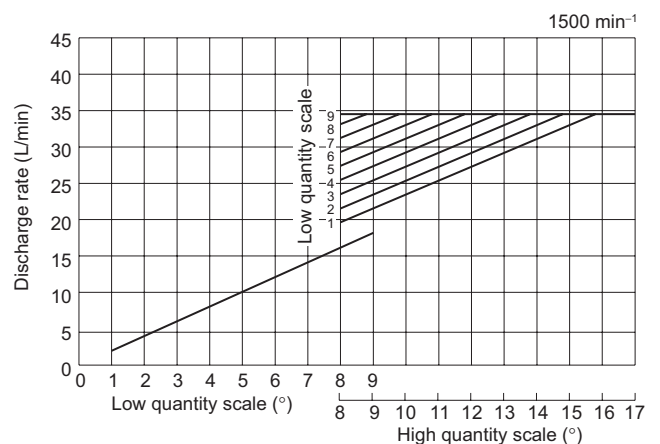
V15C combination control (1500 min<sup>-1</sup>)



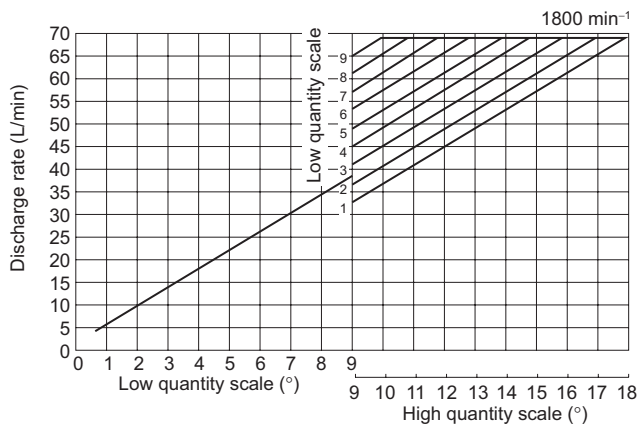
V23C combination control (1800 min<sup>-1</sup>)



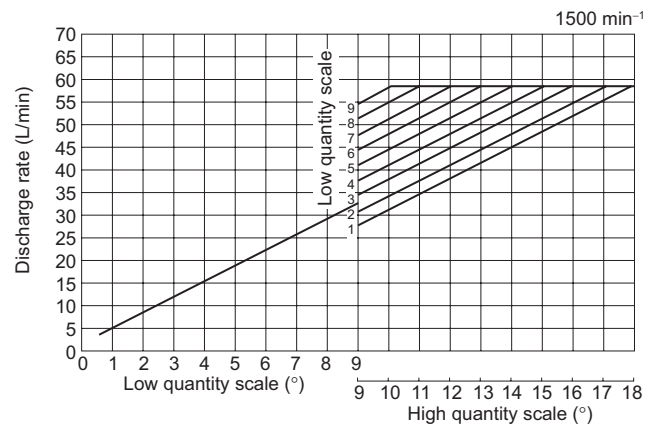
V23C combination control (1500 min<sup>-1</sup>)



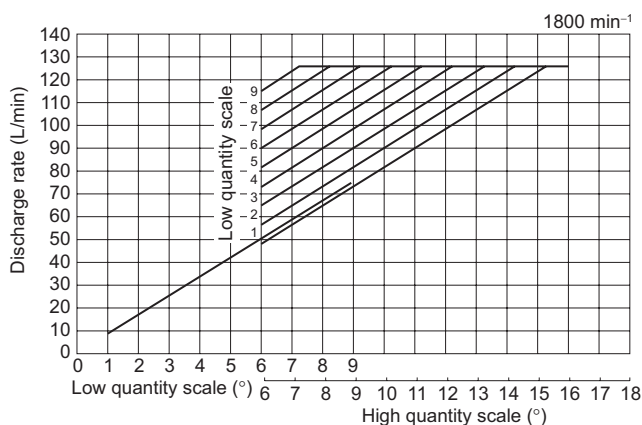
V38C combination control (1800 min<sup>-1</sup>)



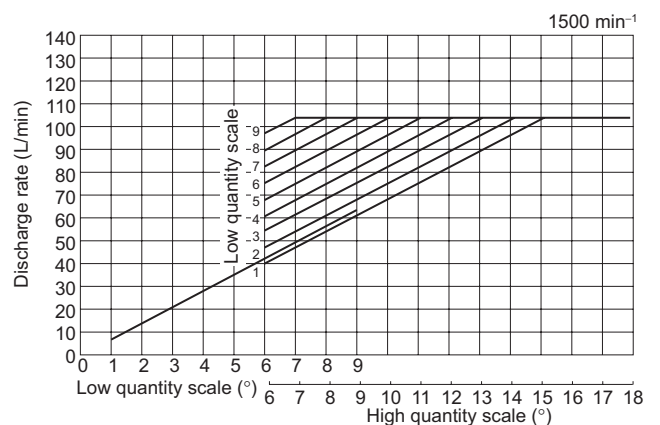
V38C combination control (1500 min<sup>-1</sup>)



V70C combination control (1800 min<sup>-1</sup>)



V70C combination control (1500 min<sup>-1</sup>)

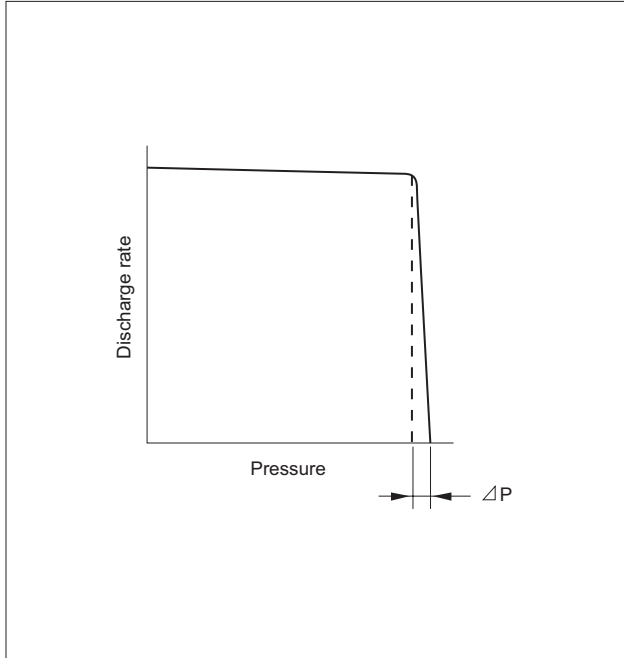




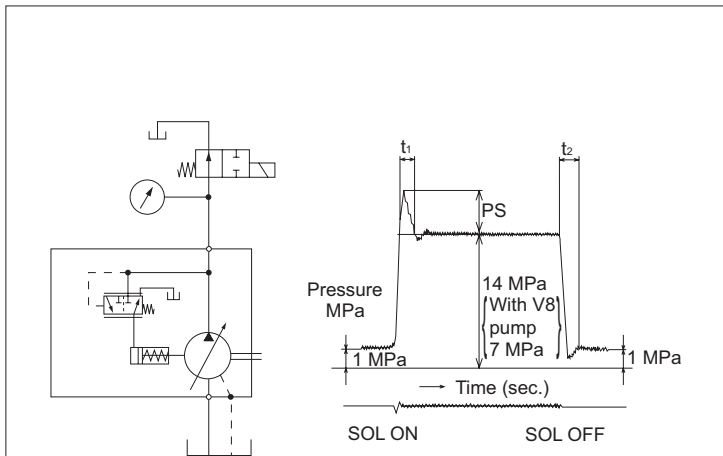
**Pressure compensator characteristics**

● **Sharp cutoff characteristics**

- The pressure gradient at cutoff is no greater than 0.5 MPa {5 kgf/cm<sup>2</sup>}
- Sharp and stable cutoff characteristics are achieved.



**Response characteristics**

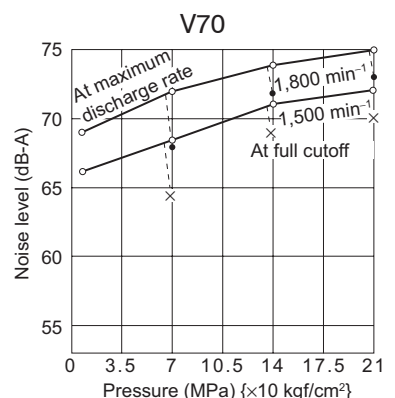
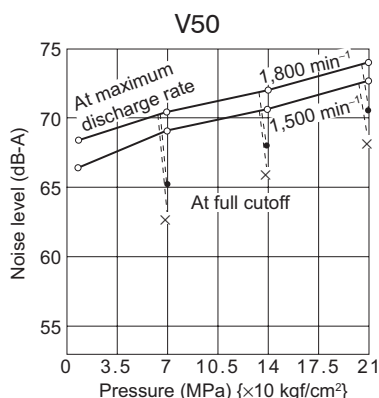
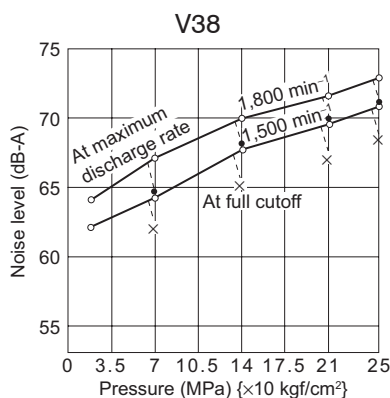
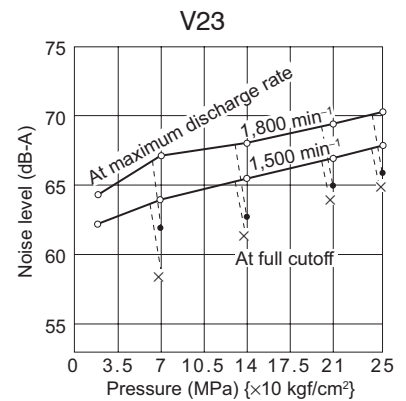
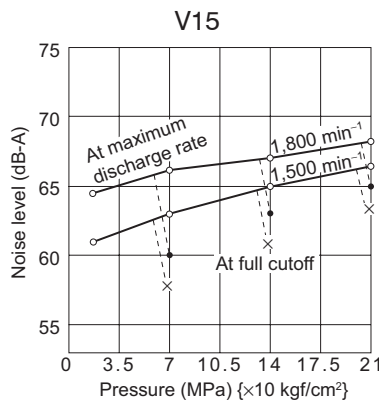
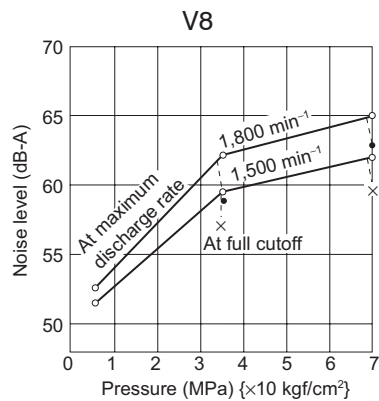


Model	Response time sec.		Surge pressure MPa
	t <sub>1</sub>	t <sub>2</sub>	Ps
V8	0.04 to 0.05	0.05 to 0.07	2.5 to 4
V15	0.04 to 0.05	0.05 to 0.07	2.5 to 4
V23	0.05 to 0.06	0.05 to 0.07	3.5 to 7
V38	0.05 to 0.09	0.05 to 0.07	5.5 to 9
V50	0.06 to 0.09	0.06 to 0.09	6 to 10
V70	0.06 to 0.09	0.06 to 0.09	6.5 to 10

**Noise characteristics (JIS B 8350, measuring position: 1 m from pump front)**

Input rotational speed	Fluid used	Oil temperature
1800 min <sup>-1</sup> 1500 min <sup>-1</sup>	Equivalent to ISO VG32	50°C

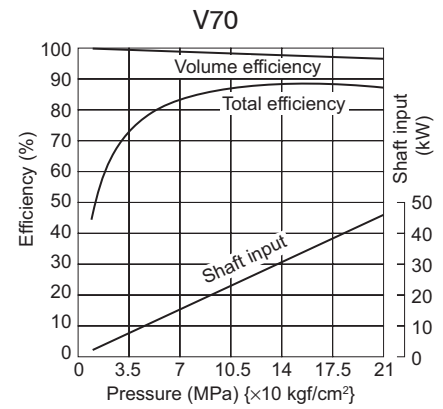
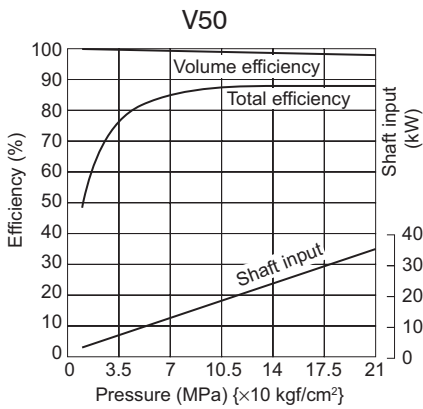
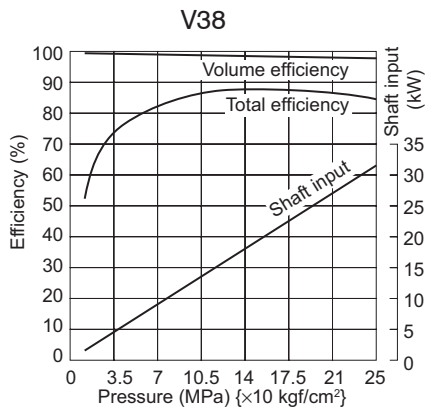
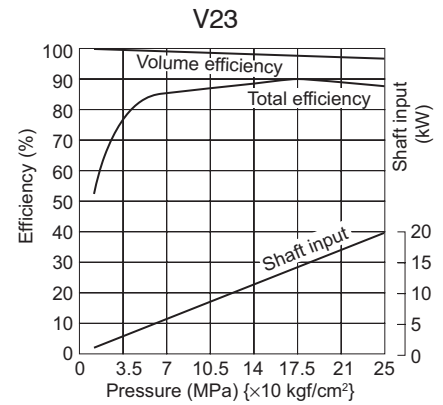
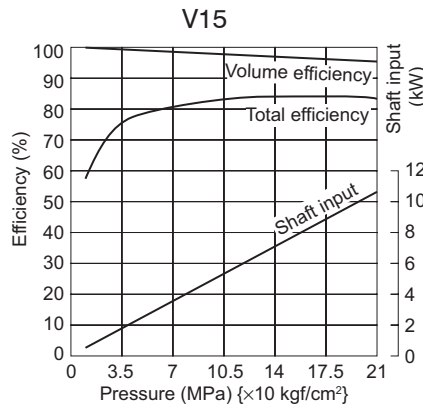
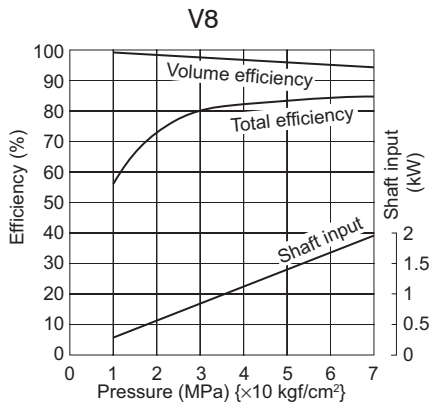
- At full-cutoff at 1800 min<sup>-1</sup>
- × At full-cutoff at 1500 min<sup>-1</sup>



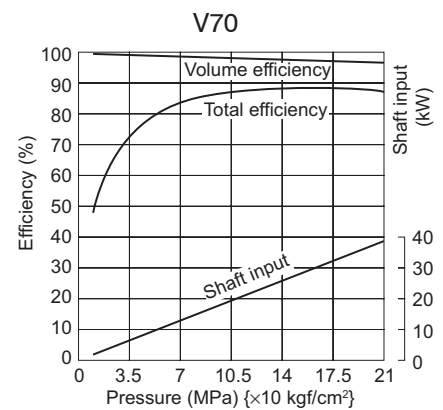
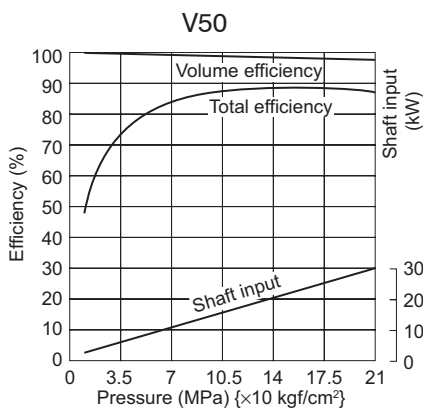
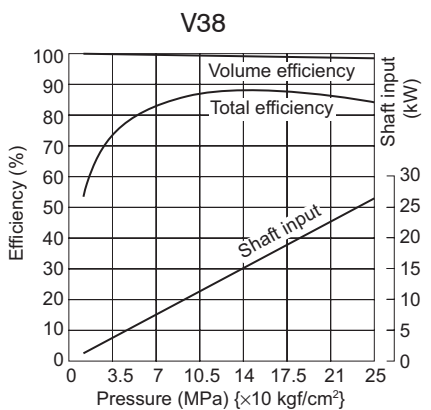
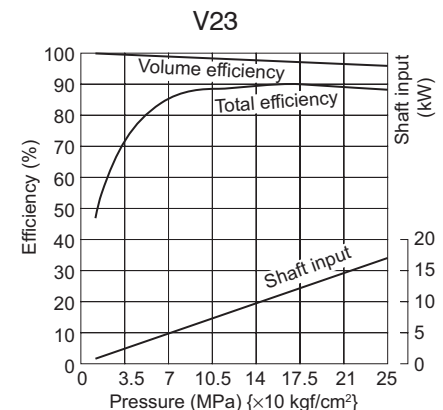
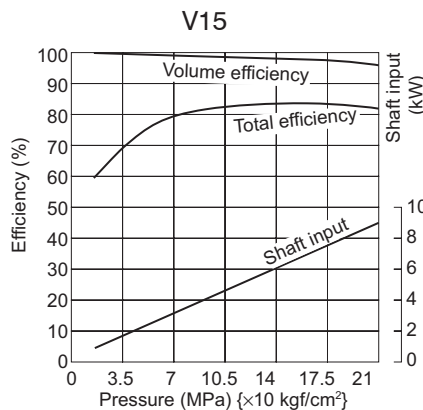
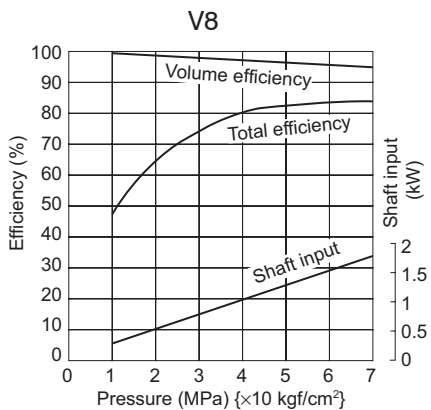
## General performance

Discharge rate setting: maximum, Fluid used: ISO VG32, Fluid temperature: 50°C

1800 min<sup>-1</sup>



1500 min<sup>-1</sup>



Note: The efficiency varies depending on the discharge rate setting. When selecting the motor capacity, refer to the shaft input characteristics on Page A-19.

## Contact Details

Before using the product, please check the guide pages at the front of this catalog.

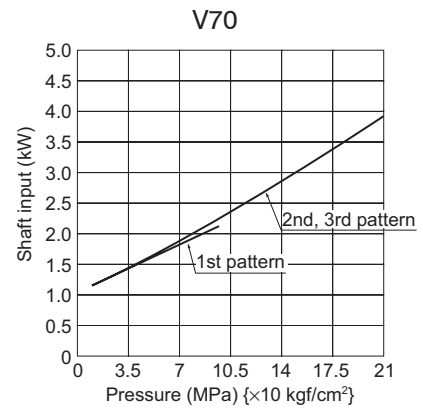
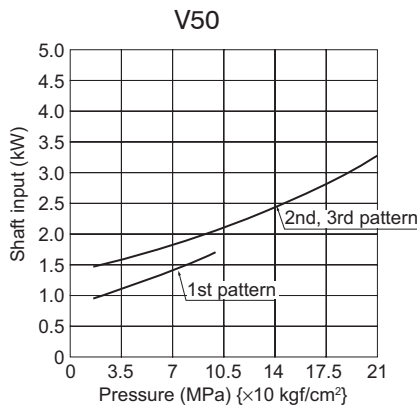
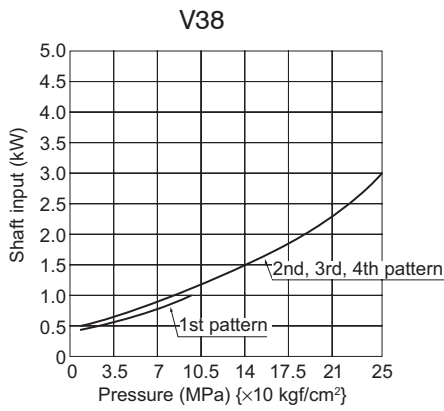
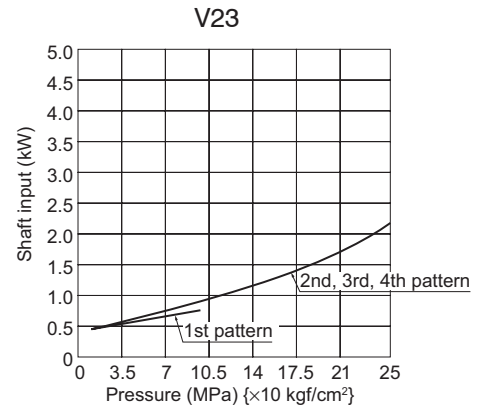
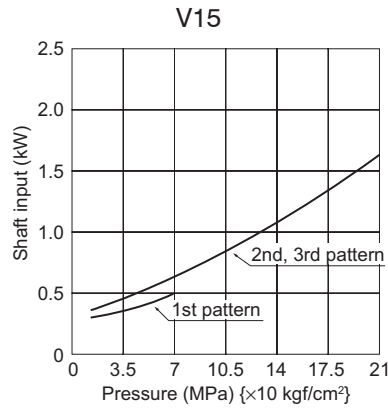
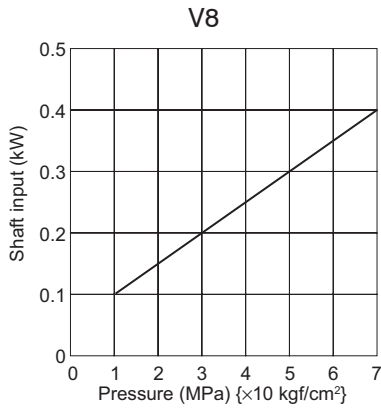
Internet

<https://www.daikinpmc.com/en/>

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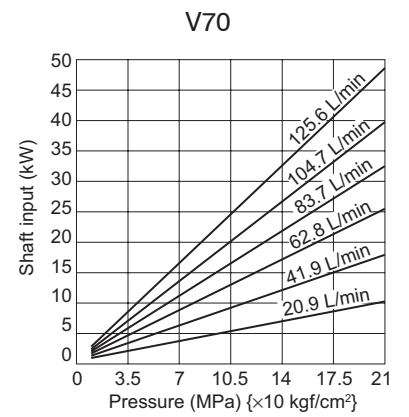
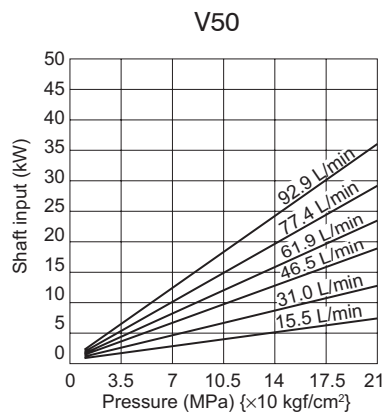
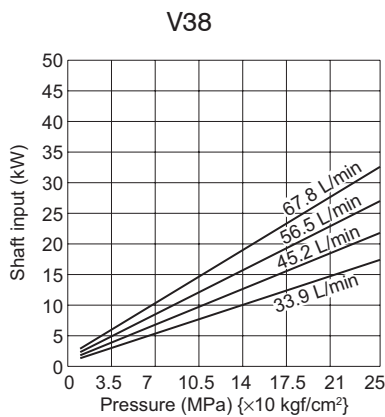
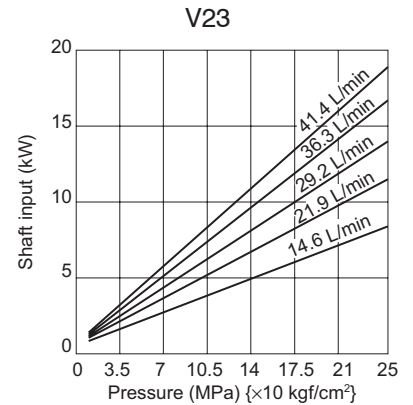
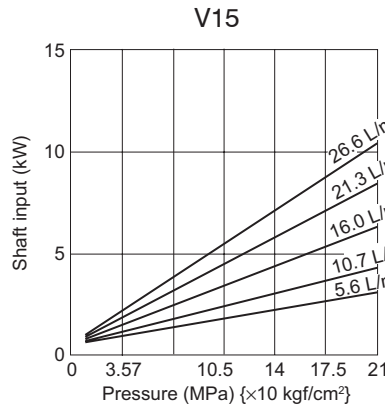
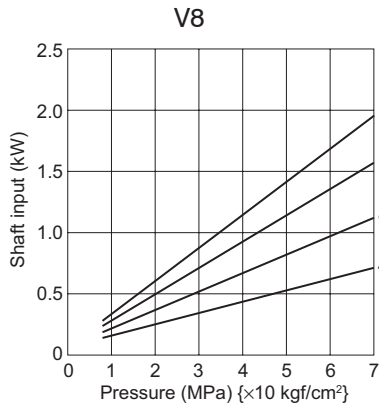
## Shaft input characteristics at full cutoff

Common to 1800 min<sup>-1</sup> and 1500 min<sup>-1</sup> Fluid used: ISO VG32, Fluid Temperature: 50°C



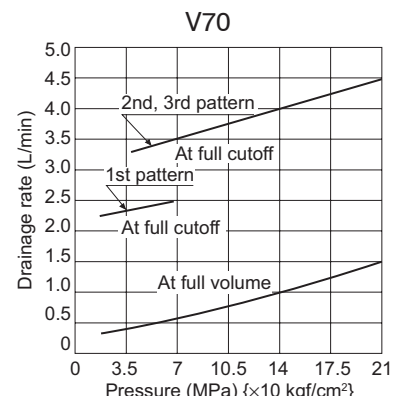
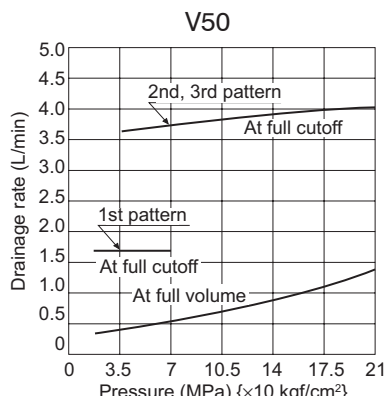
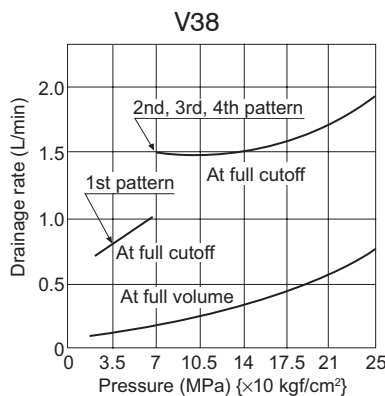
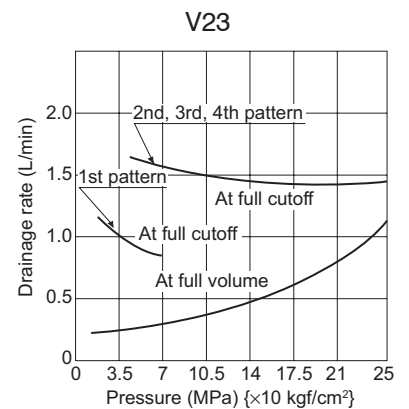
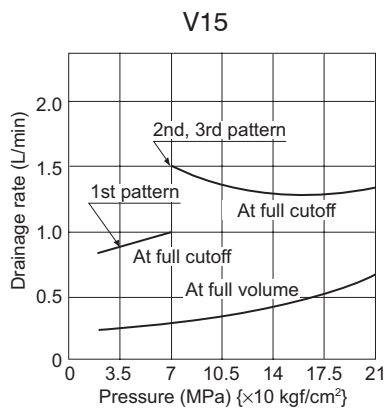
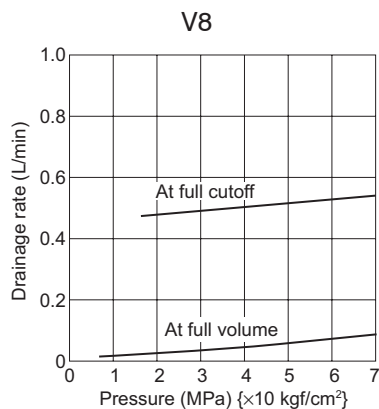
## Shaft input characteristics

Common to 1800 min<sup>-1</sup> and 1500 min<sup>-1</sup> Fluid used: ISO VG32, Fluid Temperature: 50°C



## Drainage volume characteristics

Common to 1800 min<sup>-1</sup> and 1500 min<sup>-1</sup> Fluid used: ISO VG32, Fluid Temperature: 50°C



# Contact Details

Before using the product, please check the guide pages at the front of this catalog.

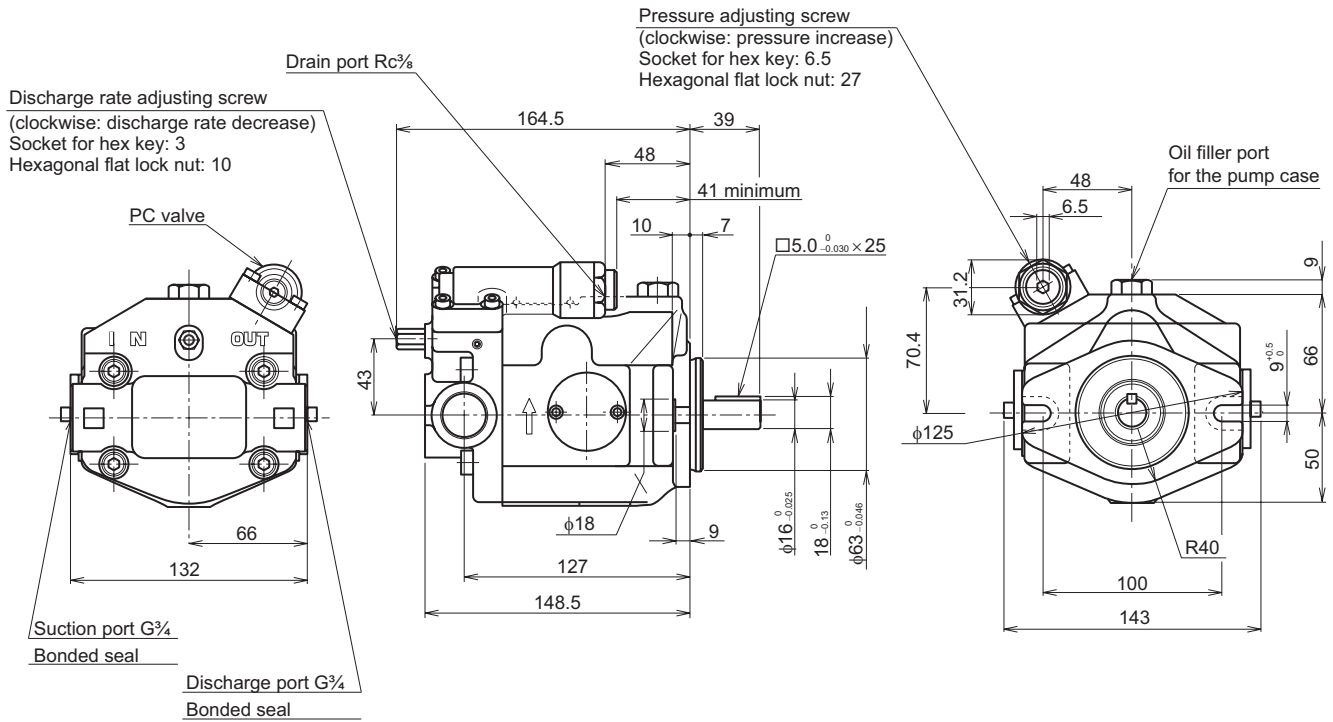
Internet

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## External dimension diagram

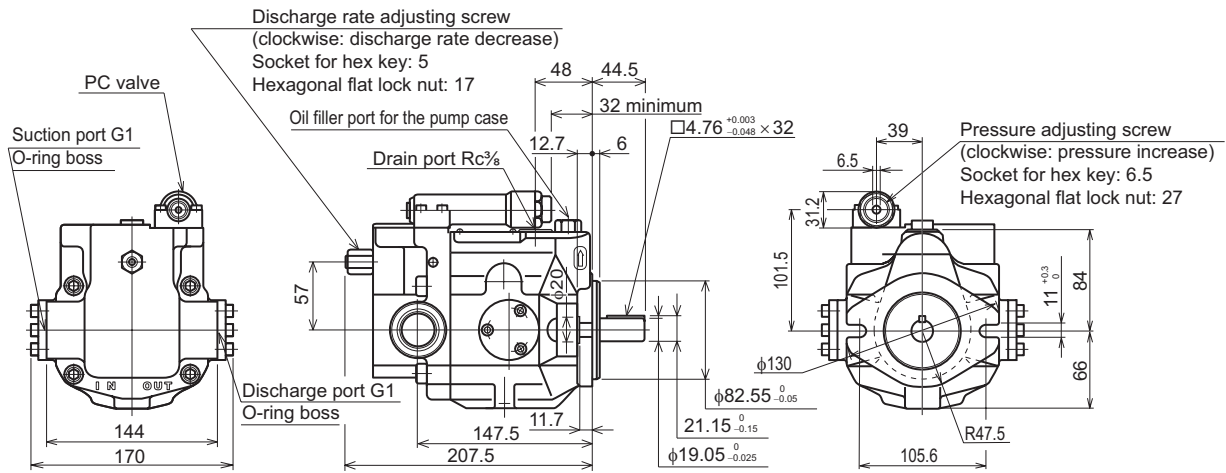
V8A1RX-20



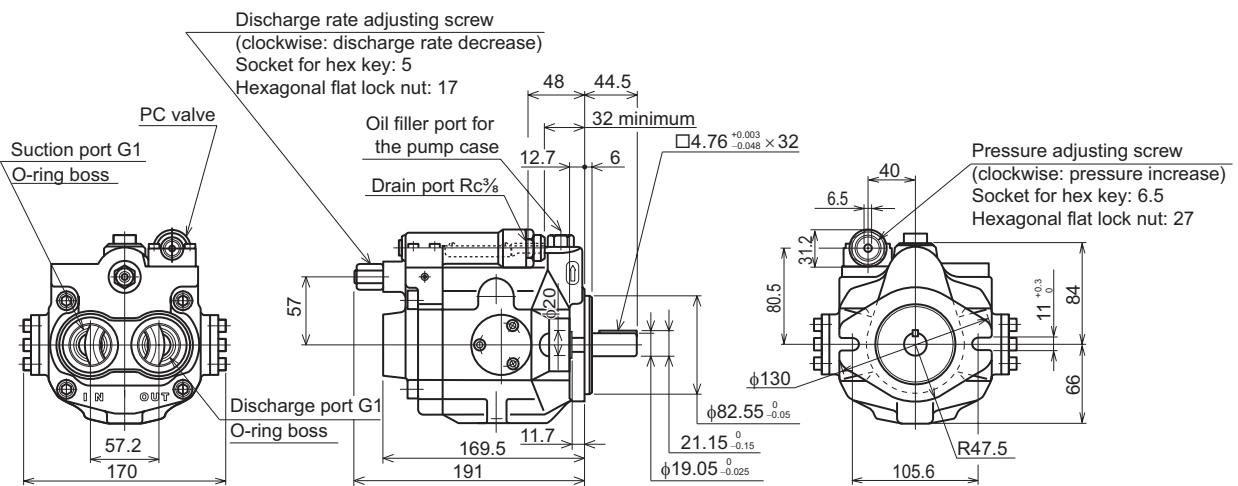
Mass: 8.9 kg

## External dimension diagram

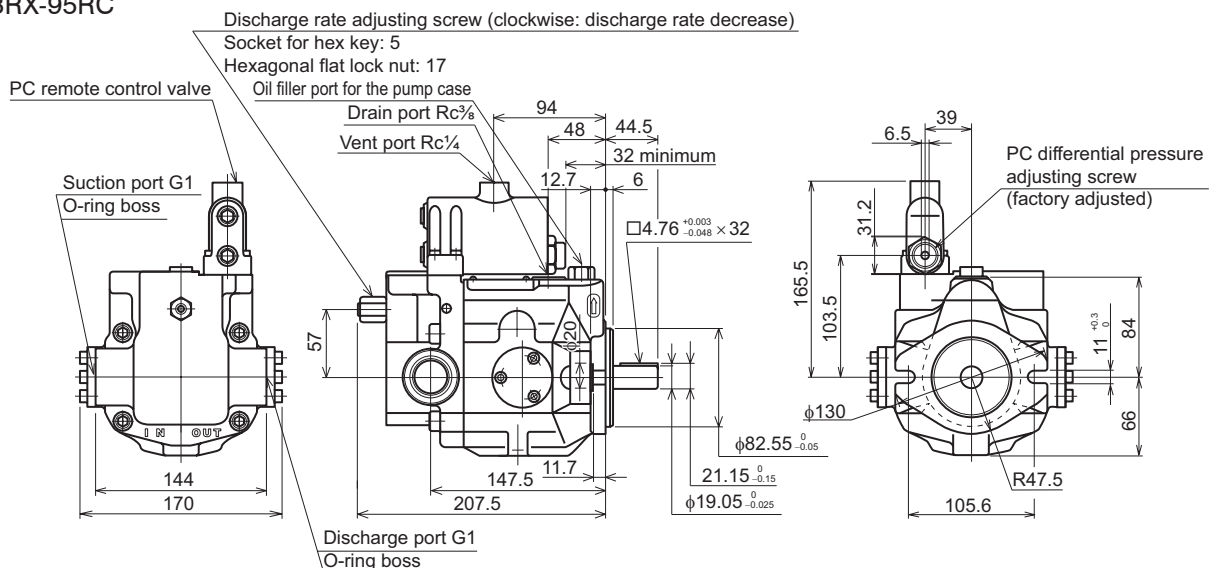
V15A×RX-95



V15A×R-95

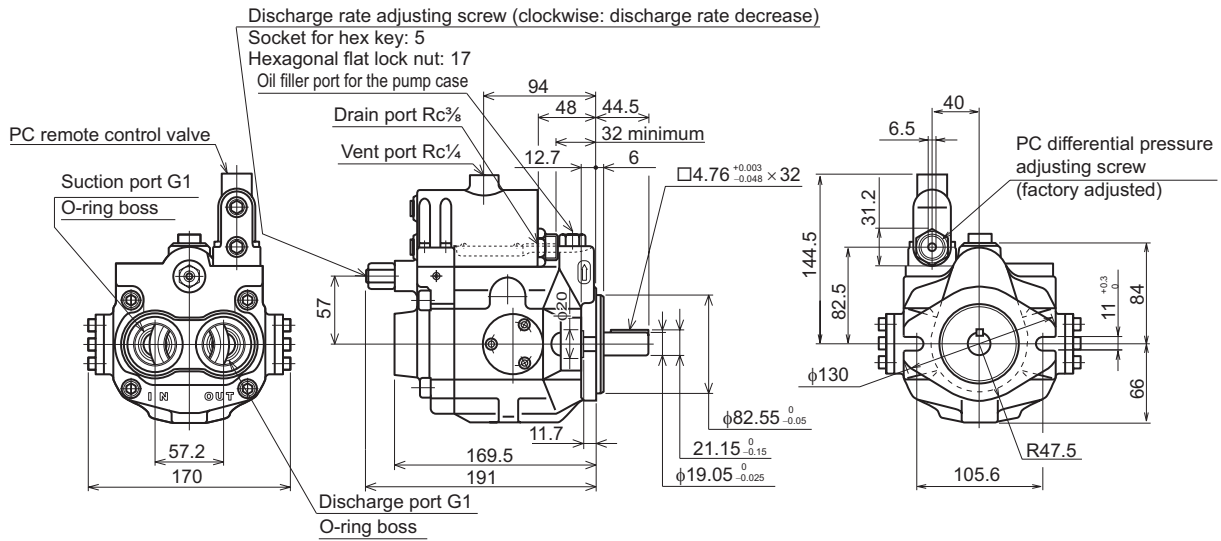


V15A3RX-95RC

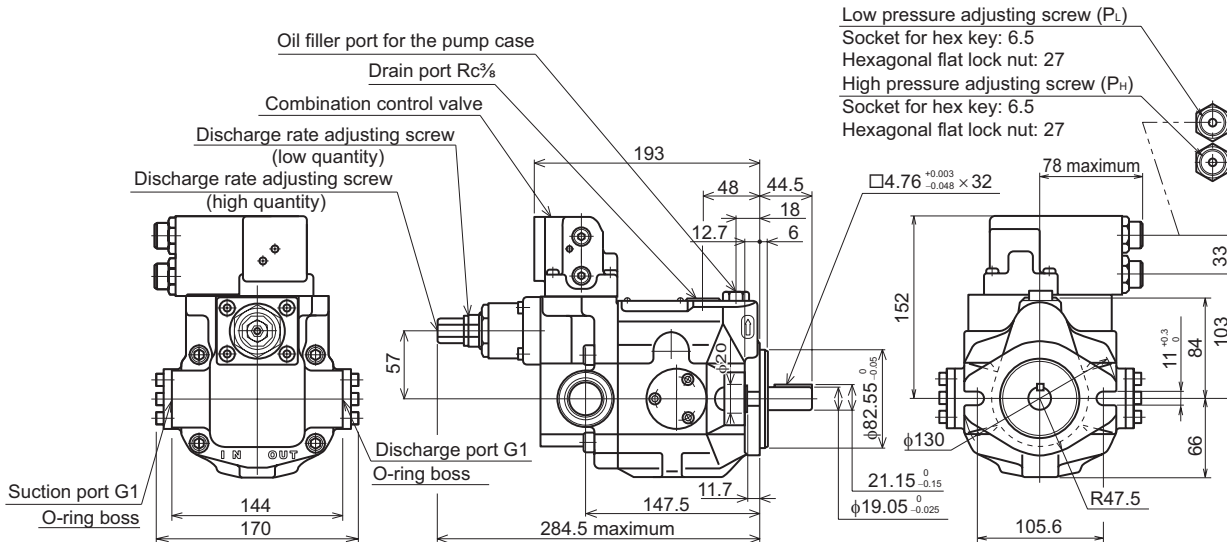


## External dimension diagram

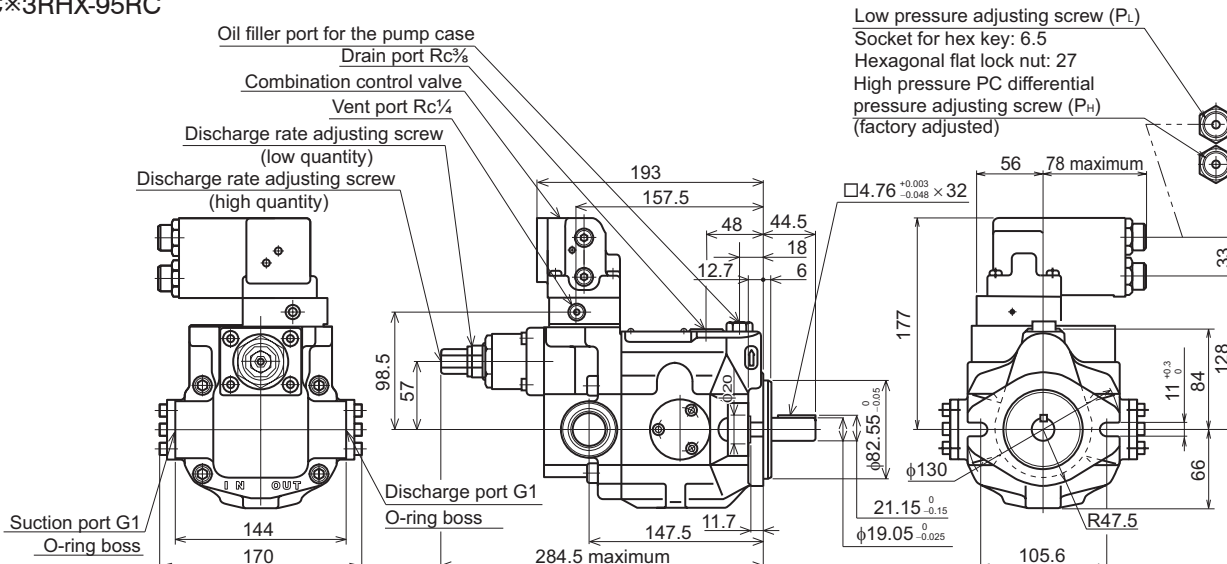
### V15A3R-95RC



### V15C××RHX-95

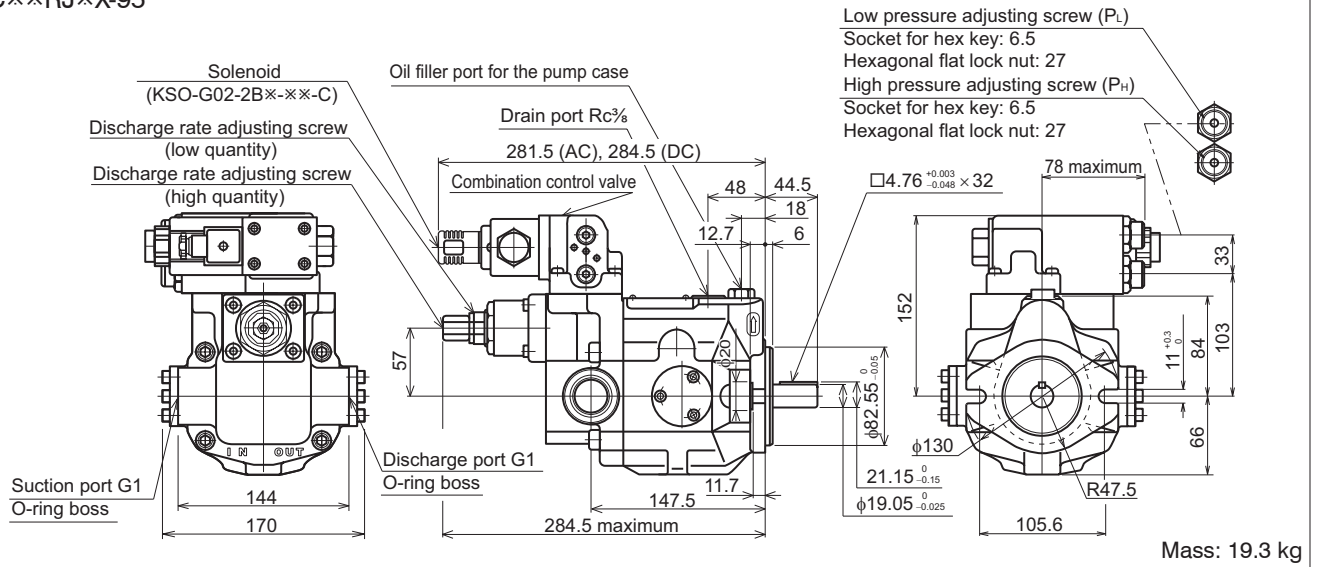


### V15C×3RHX-95RC

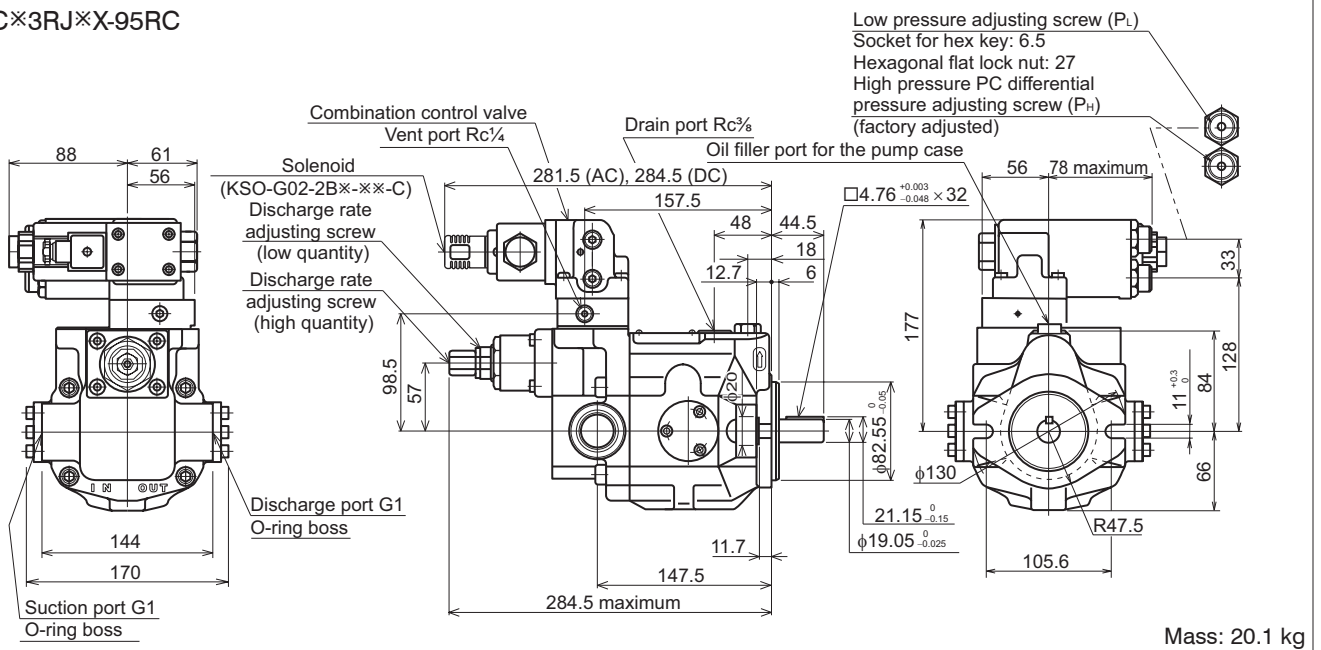


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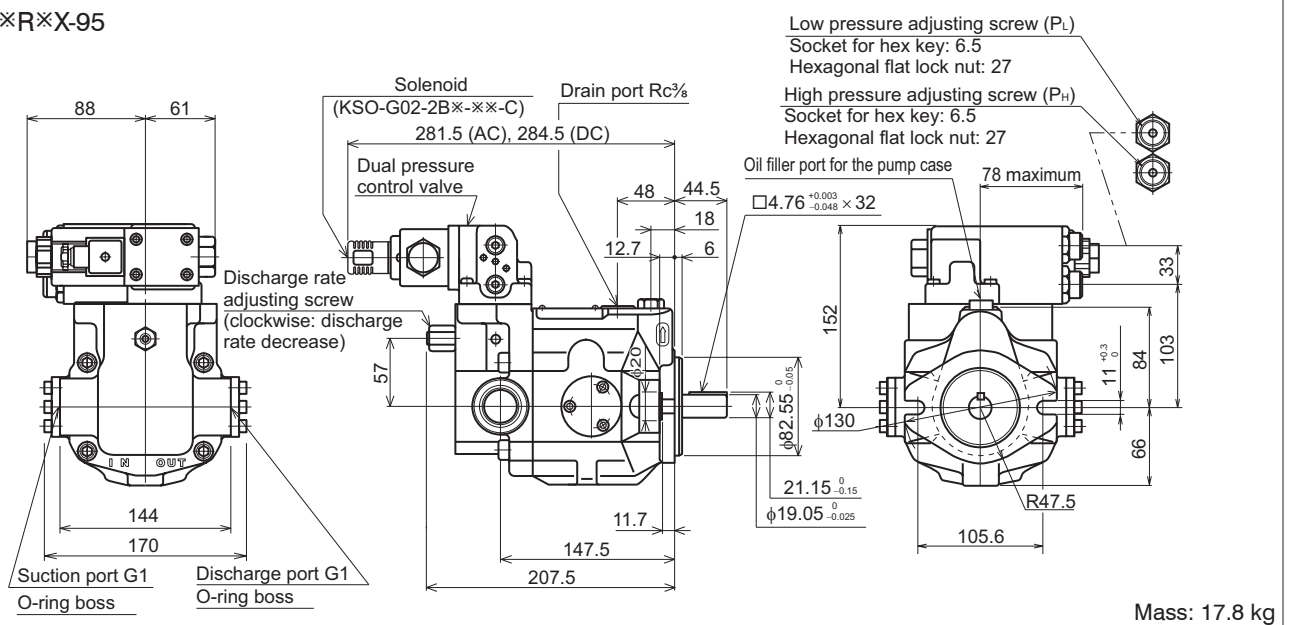
### V15C\*\*RJ\*\*X-95



### V15C\*3RJ\*X-95RC



### V15D\*\*R\*\*X-95





## Contact Details

Before using the product, please check the guide pages at the front of this catalog.

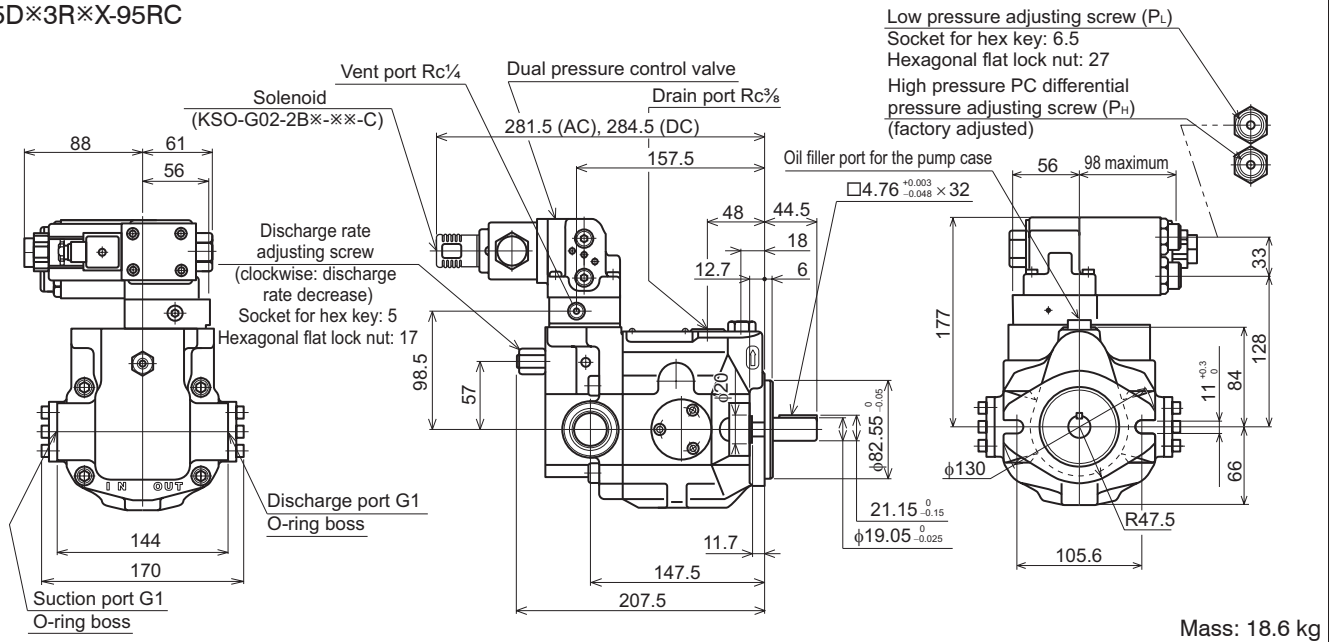
Internet

<https://www.daikinpmc.com/en/>

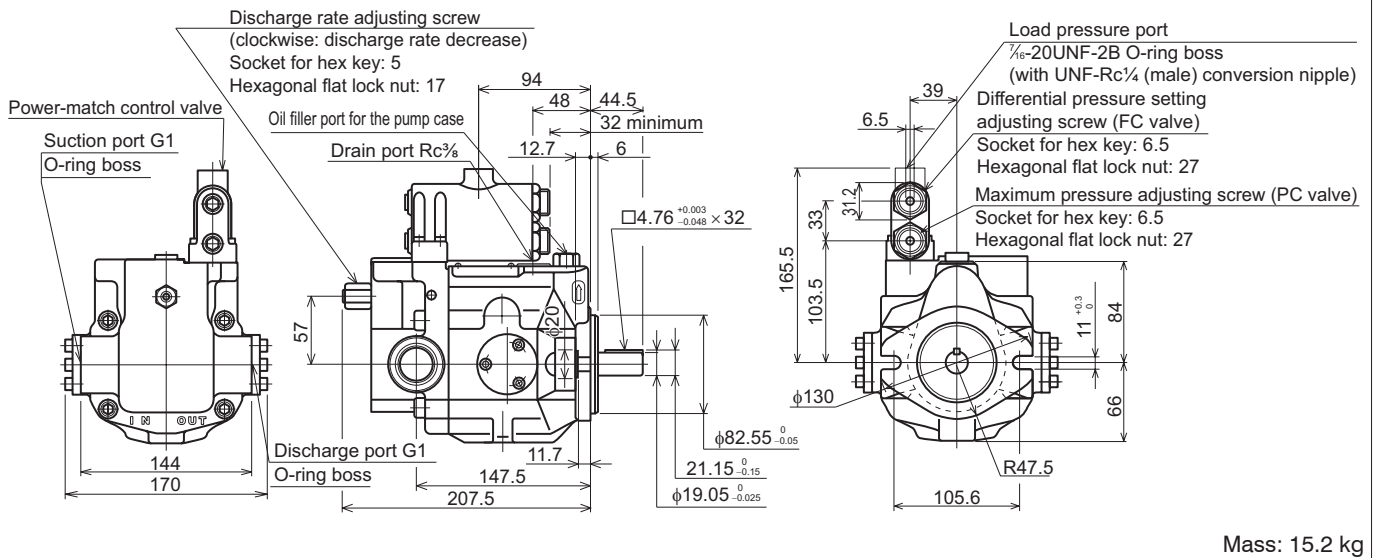
For latest information, PDF catalogs and operation manuals

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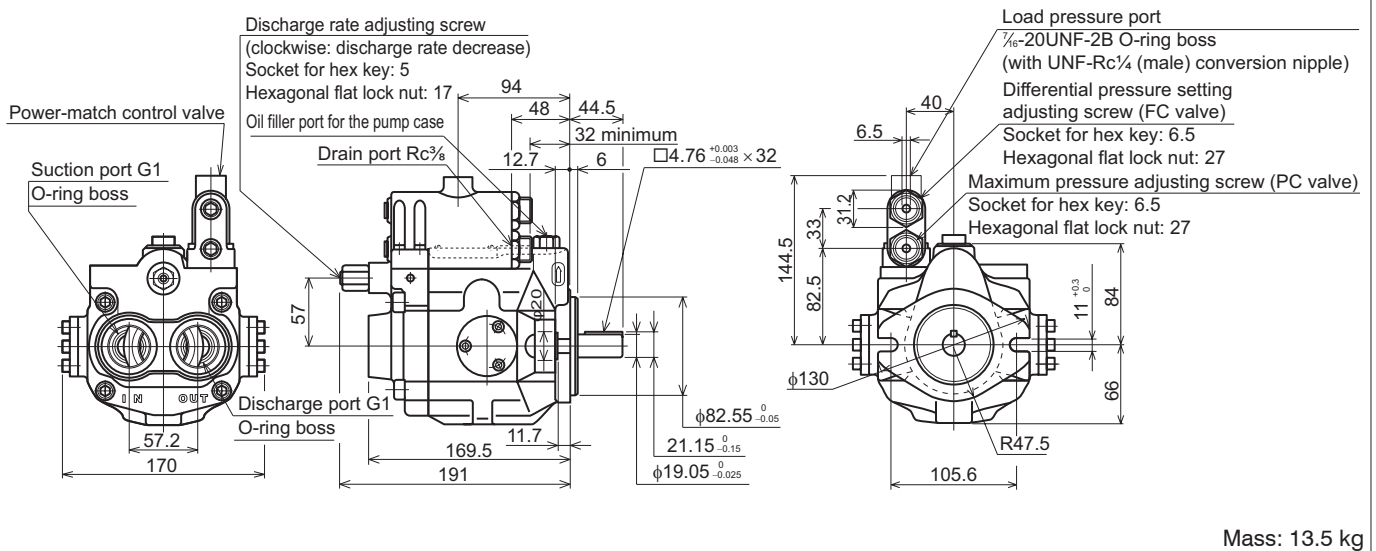
### V15D※3R※X-95RC



### V15SA※※RX-95



### V15SA※※R-95



## Contact Details

Before using the product, please check the guide pages at the front of this catalog.

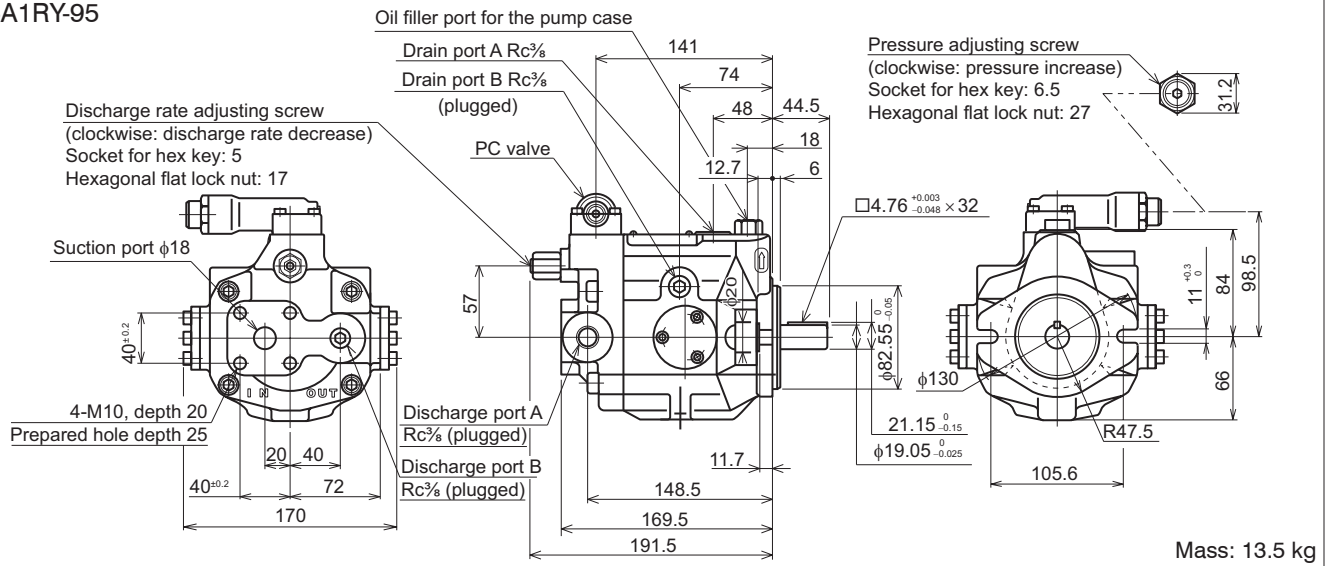
Internet

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For latest information, PDF catalogs and operation manuals

## External dimension diagram

V15A1RY-95



## Contact Details

Before using the product, please check the guide pages at the front of this catalog.

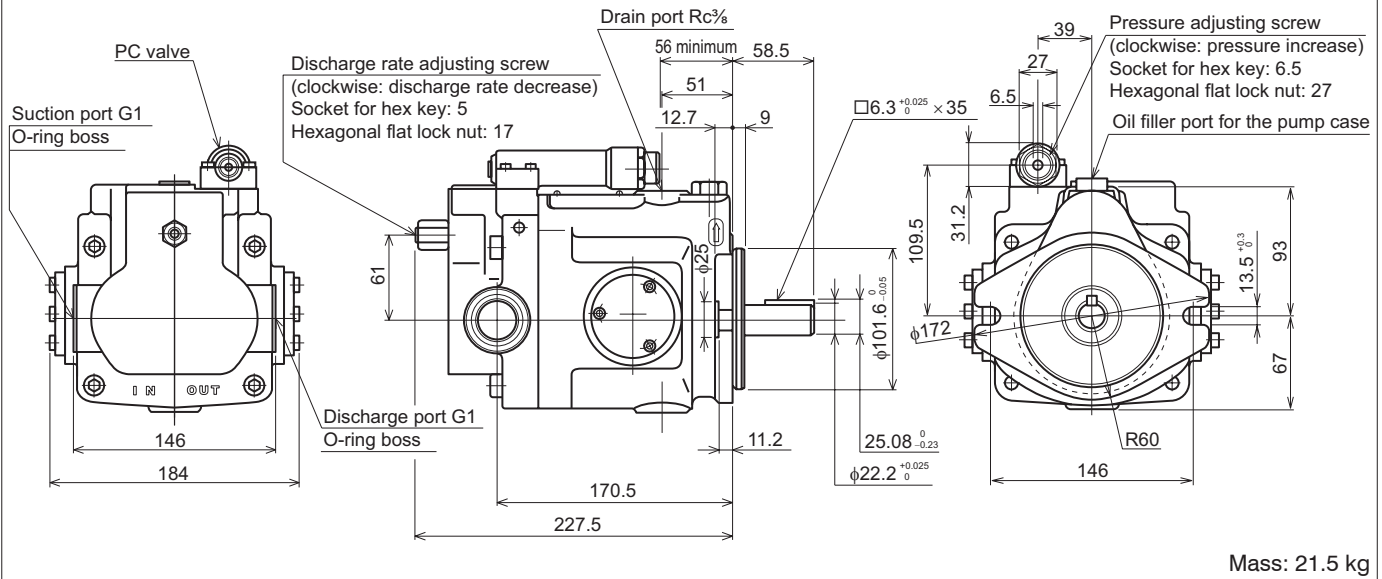
Internet

<https://www.daikinpmc.com/en/>

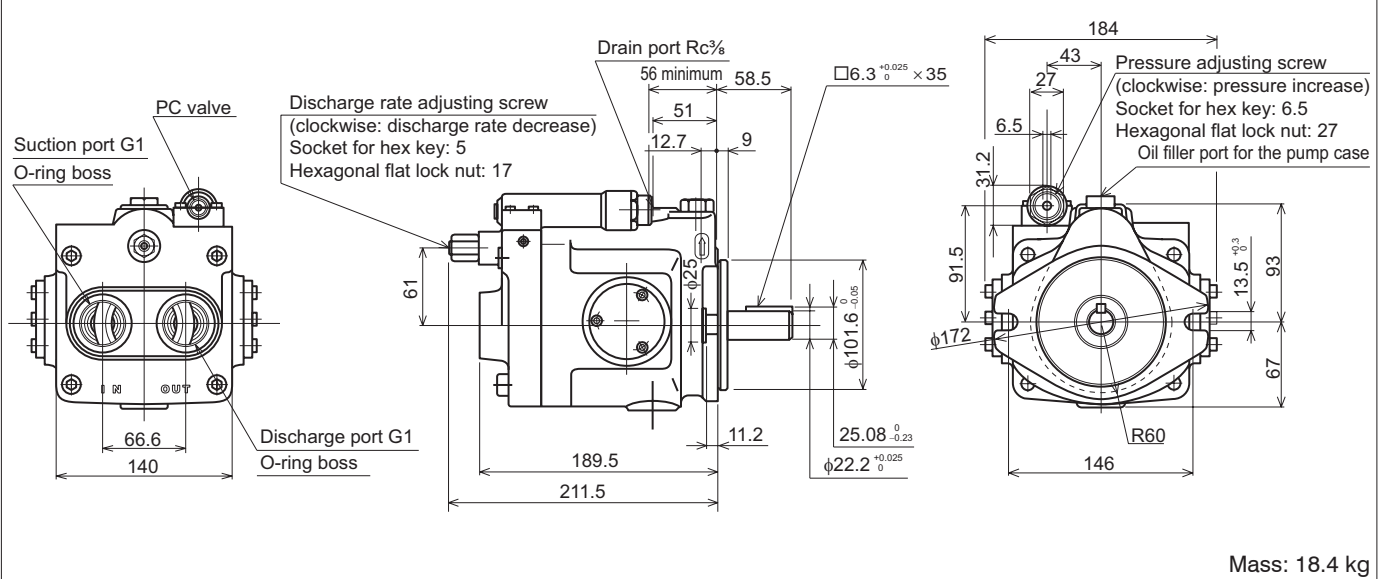
For latest information, PDF catalogs and operation manuals

## External dimension diagram

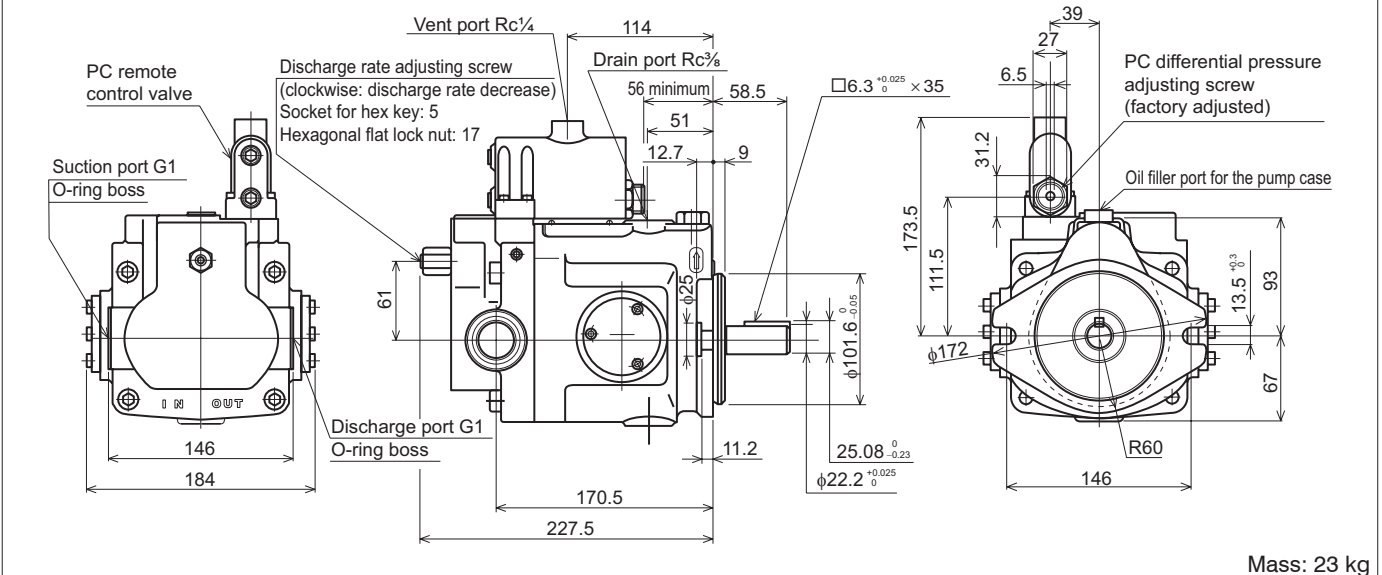
### V23A×RX-30



### V23A×R-30

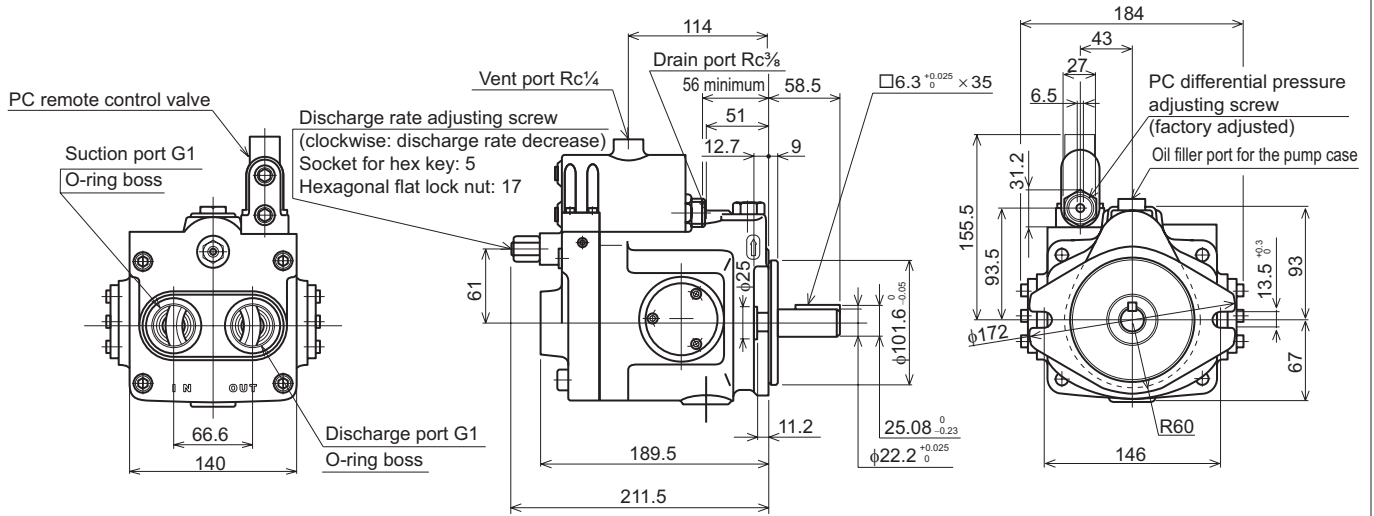


### V23A4RX-30RC

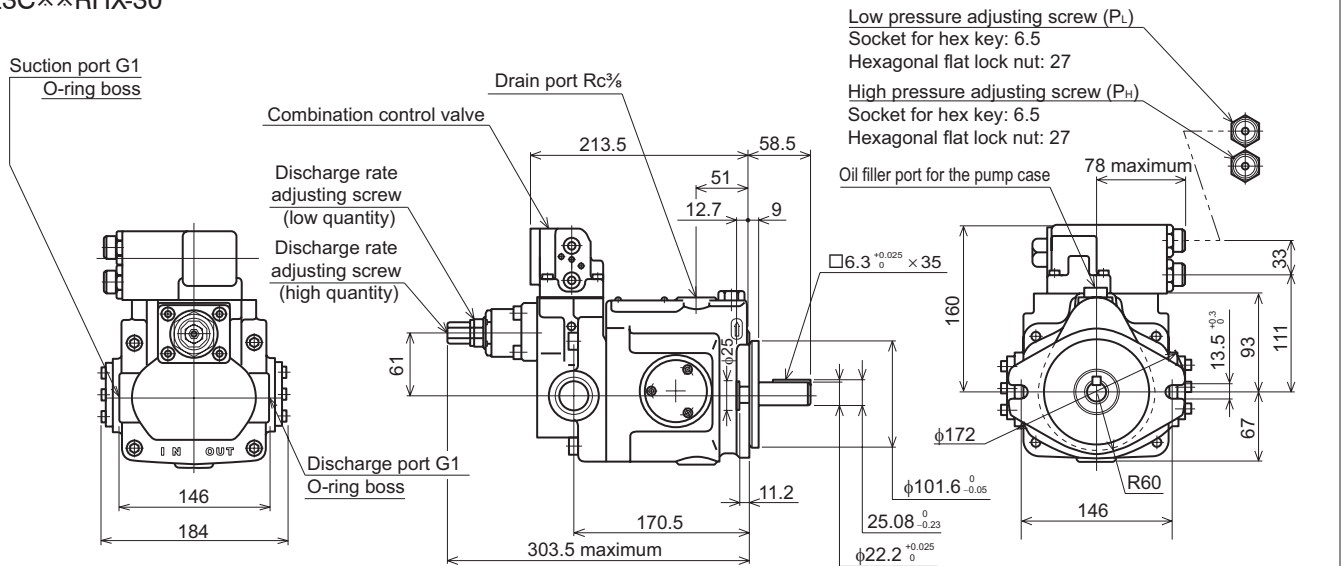


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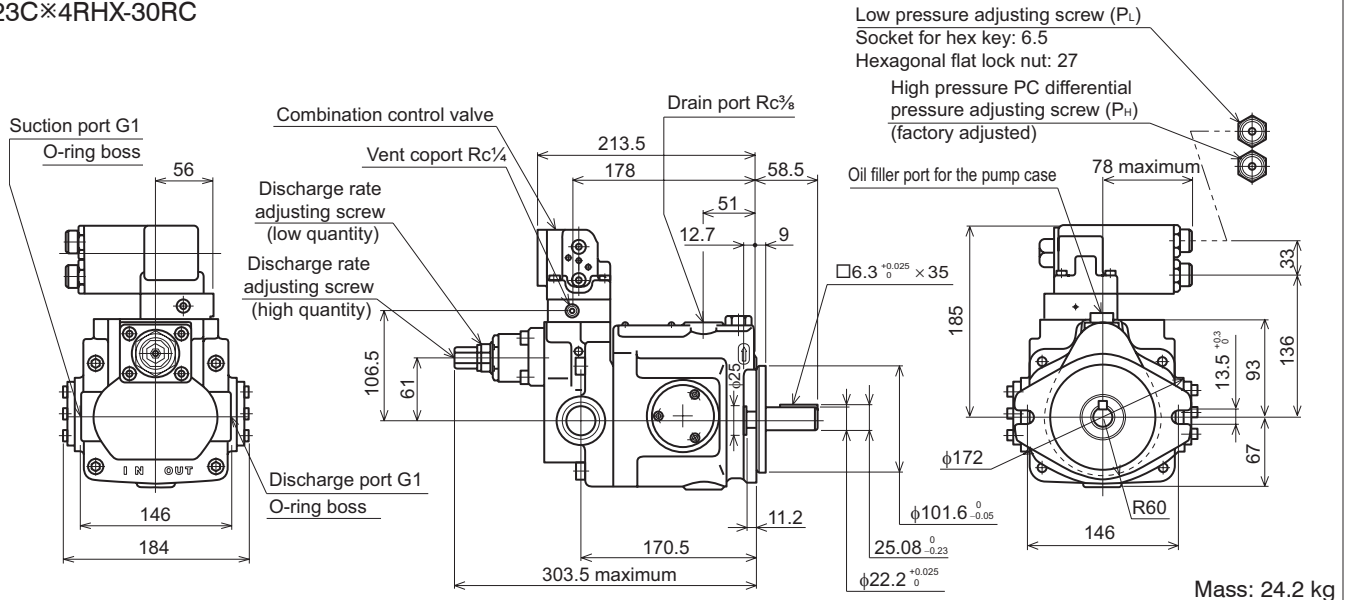
### V23A4R-30RC



### V23C $\times$ RHX-30



### V23C $\times$ 4RHX-30RC



## Contact Details

Before using the product, please check the guide pages at the front of this catalog.

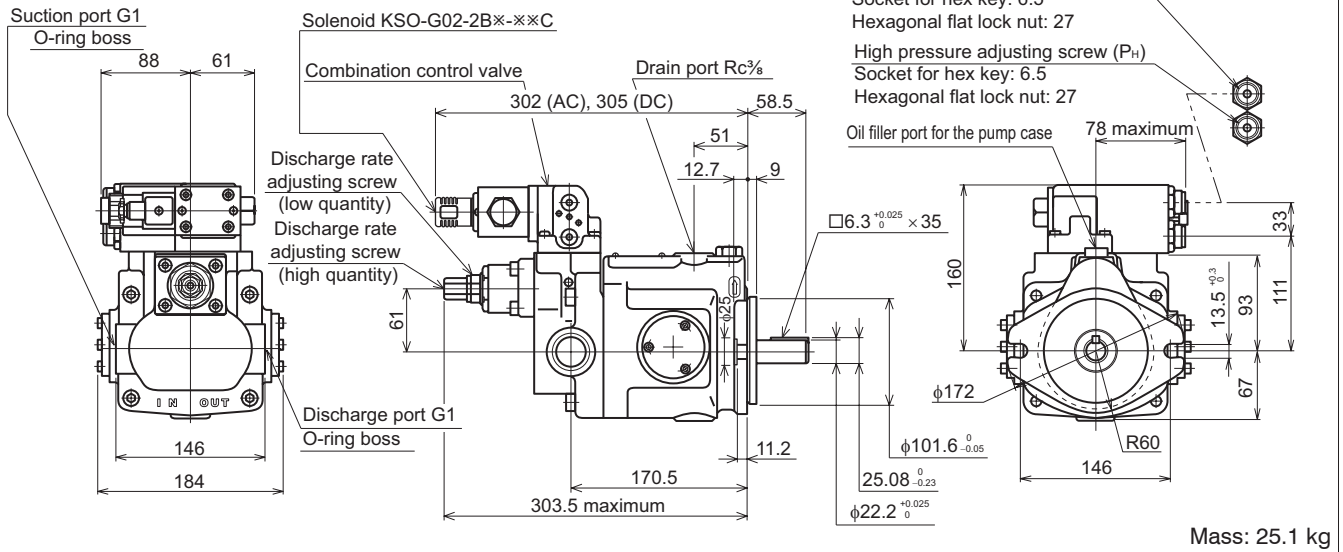
Internet

<https://www.daikinpmc.com/en/>

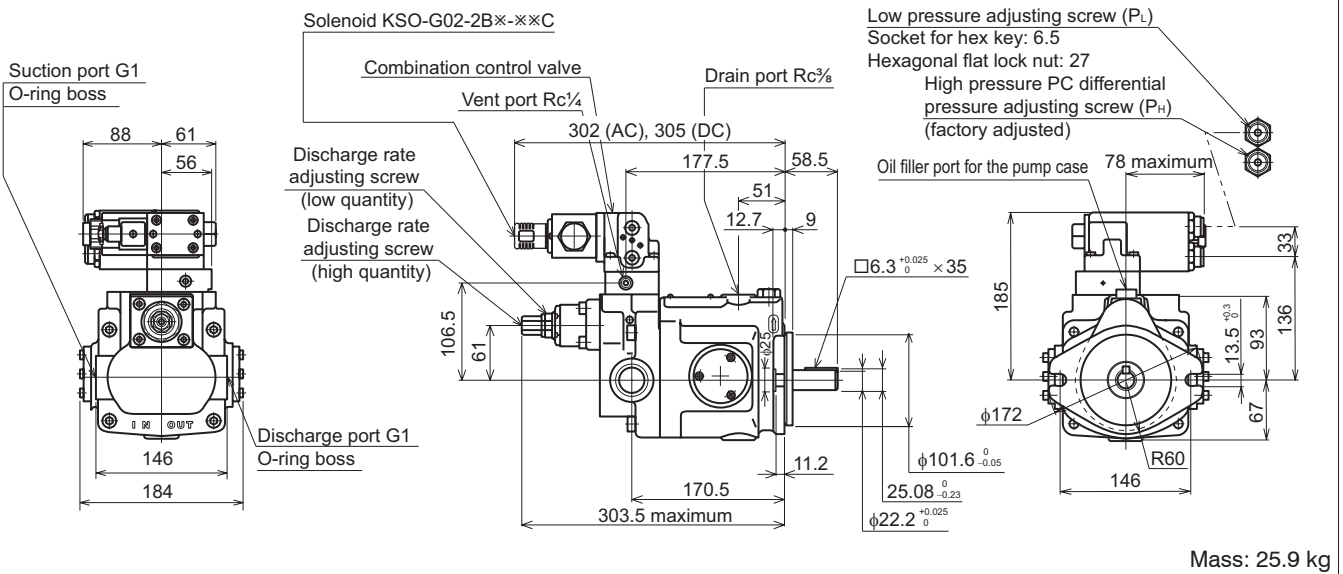
For latest information, PDF catalogs and operation manuals

## External dimension diagram

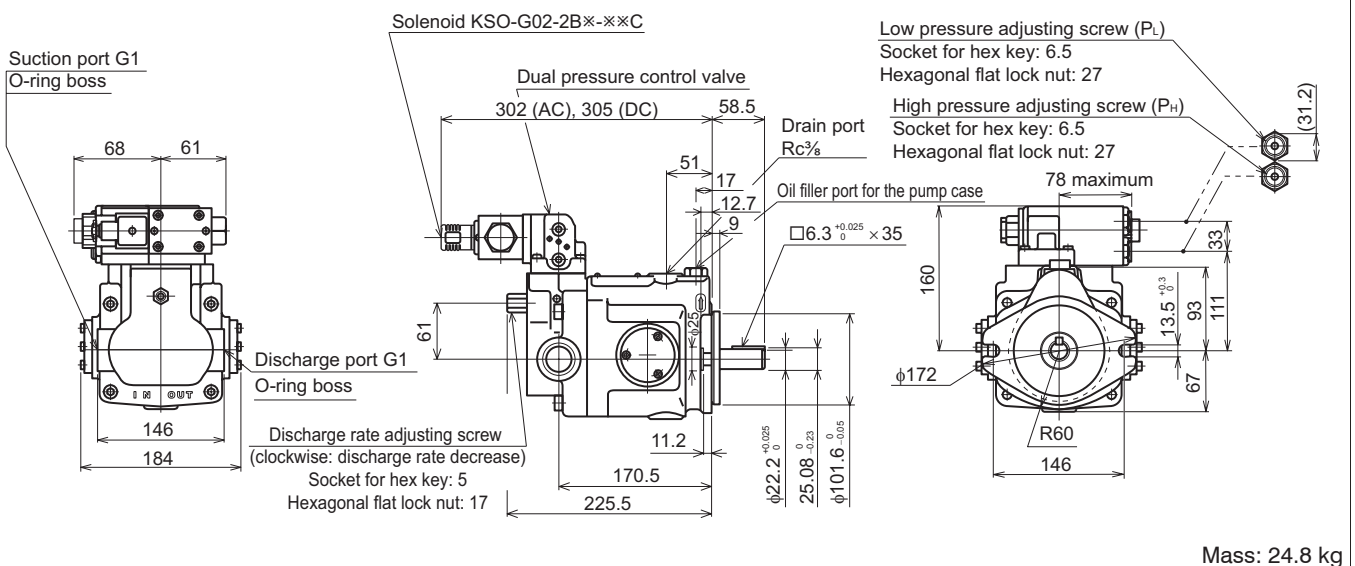
### V23C※※RJ※X-35



### V23C※4RJ※X-35RC



### V23D※※R※X-35





## Contact Details

Before using the product, please check the guide pages at the front of this catalog.

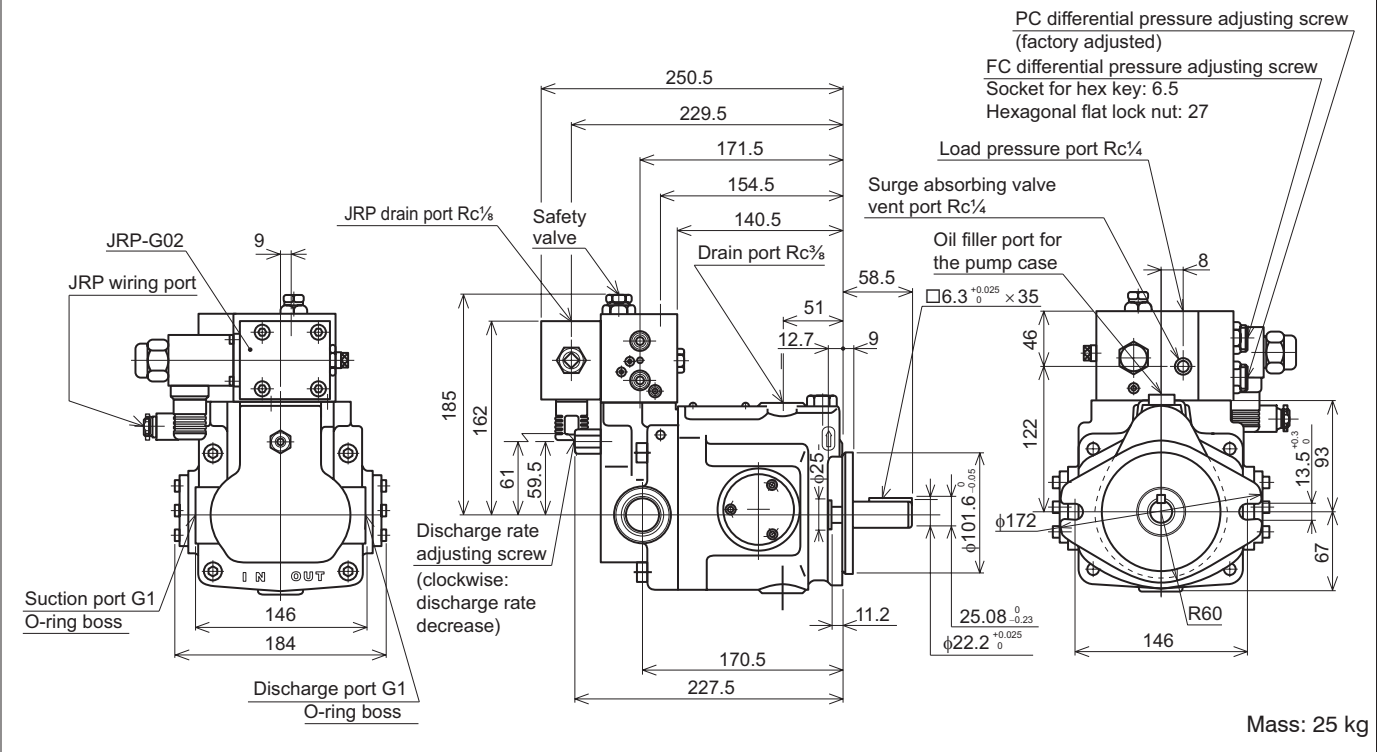
Internet

<https://www.daikinpmc.com/en/>

For latest information, PDF catalogs and operation manuals

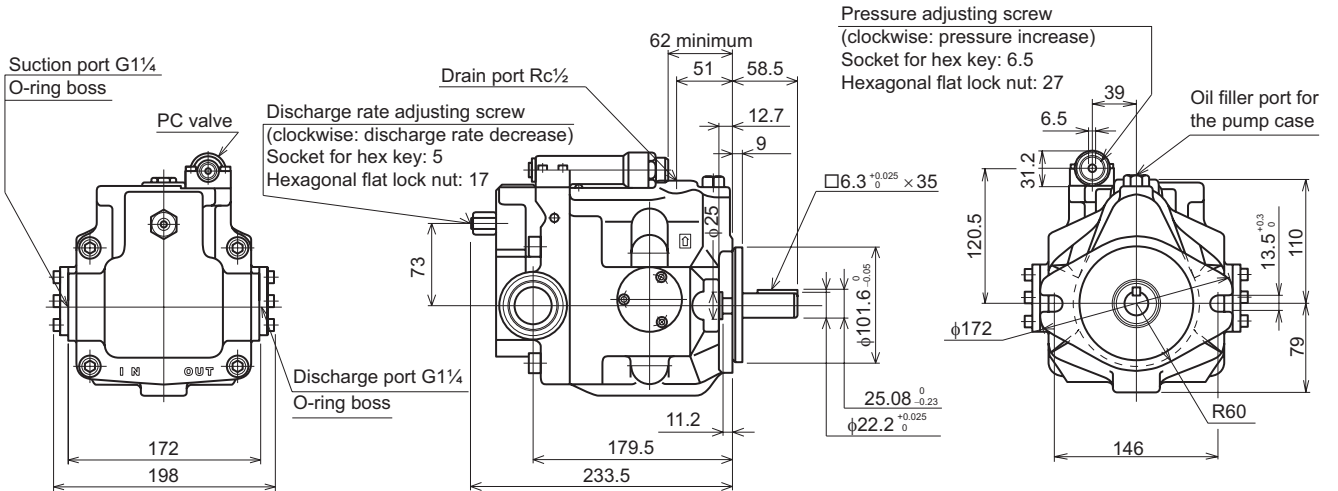
## External dimension diagram

V23SAJS-※RX-30



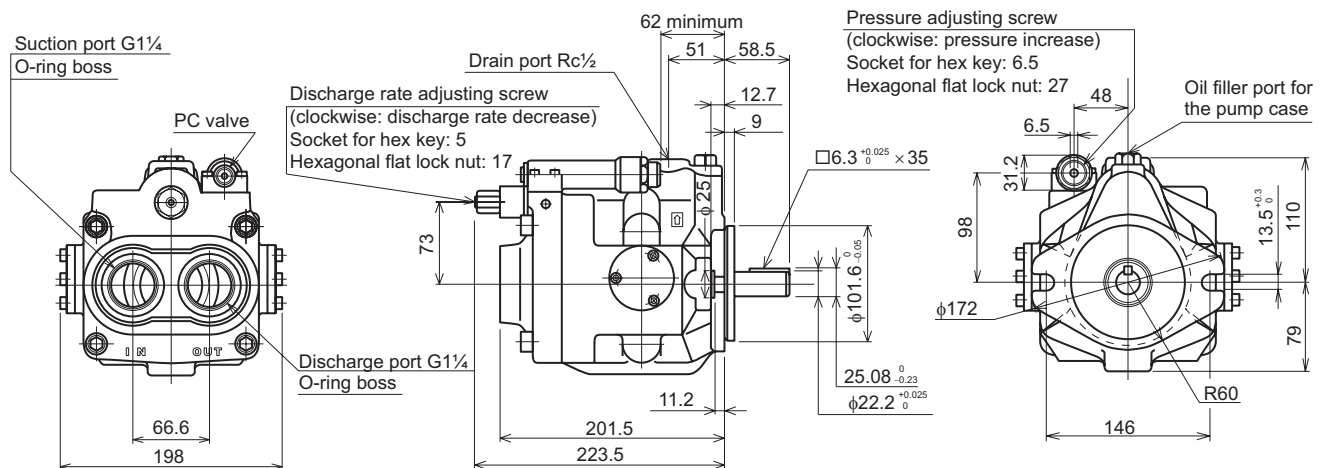
## External dimension diagram

V38A×RX-95



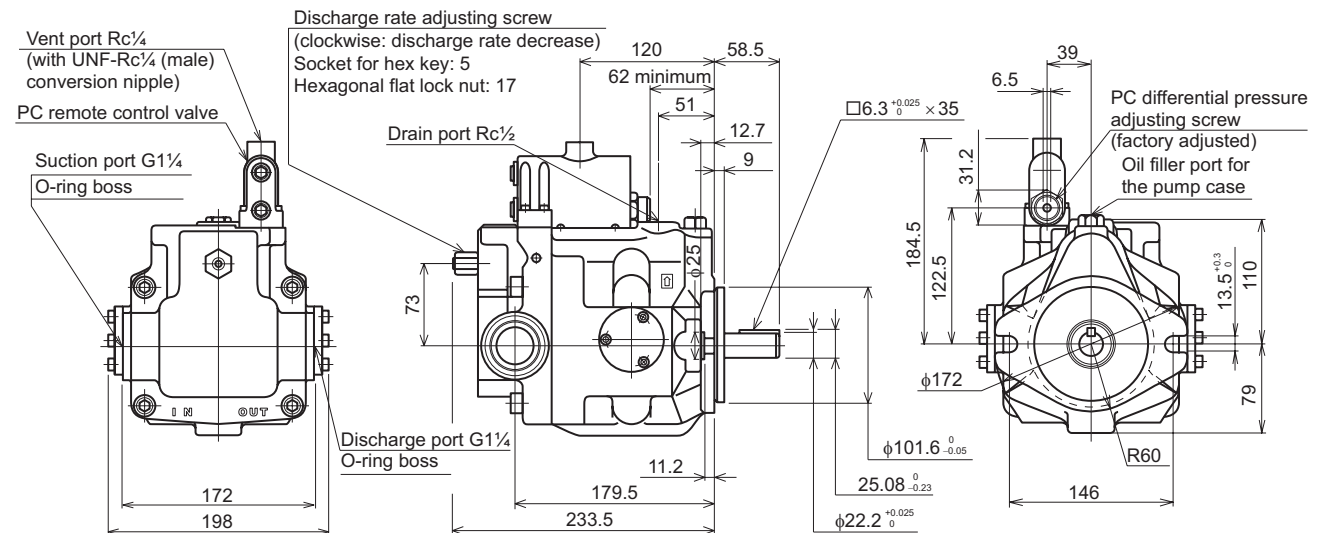
Mass: 26 kg

V38A×R-95



Mass: 24.4 kg

V38A4RX-95RC



Mass: 28.7 kg



## Contact Details

Before using the product, please check the guide pages at the front of this catalog.

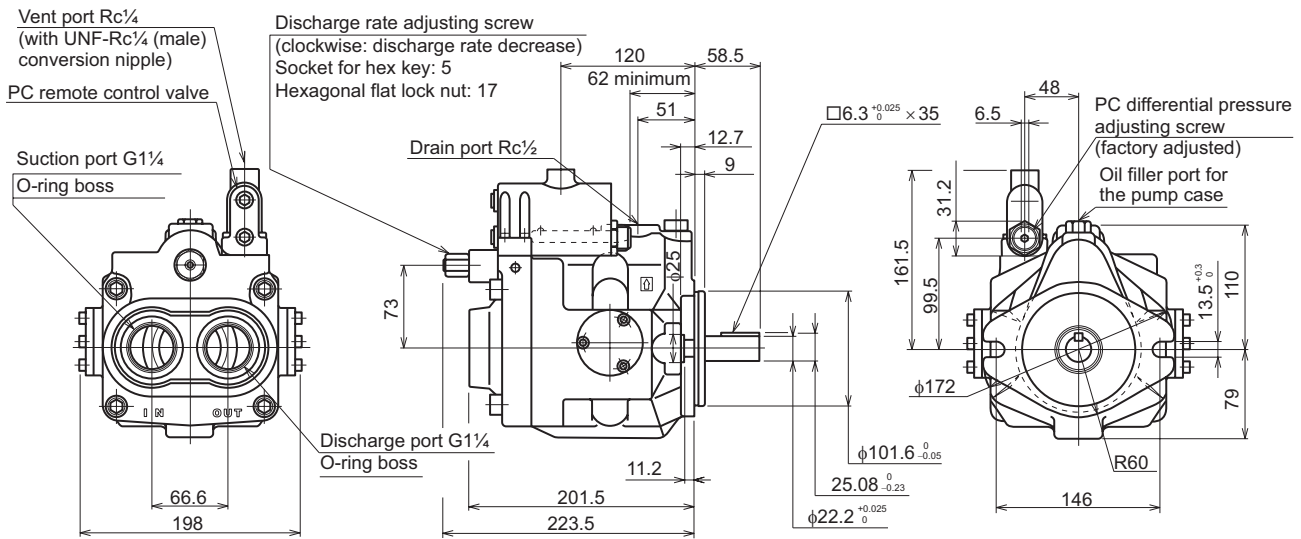
Internet

<https://www.daikinpmc.com/en/>

For latest information, PDF catalogs and operation manuals

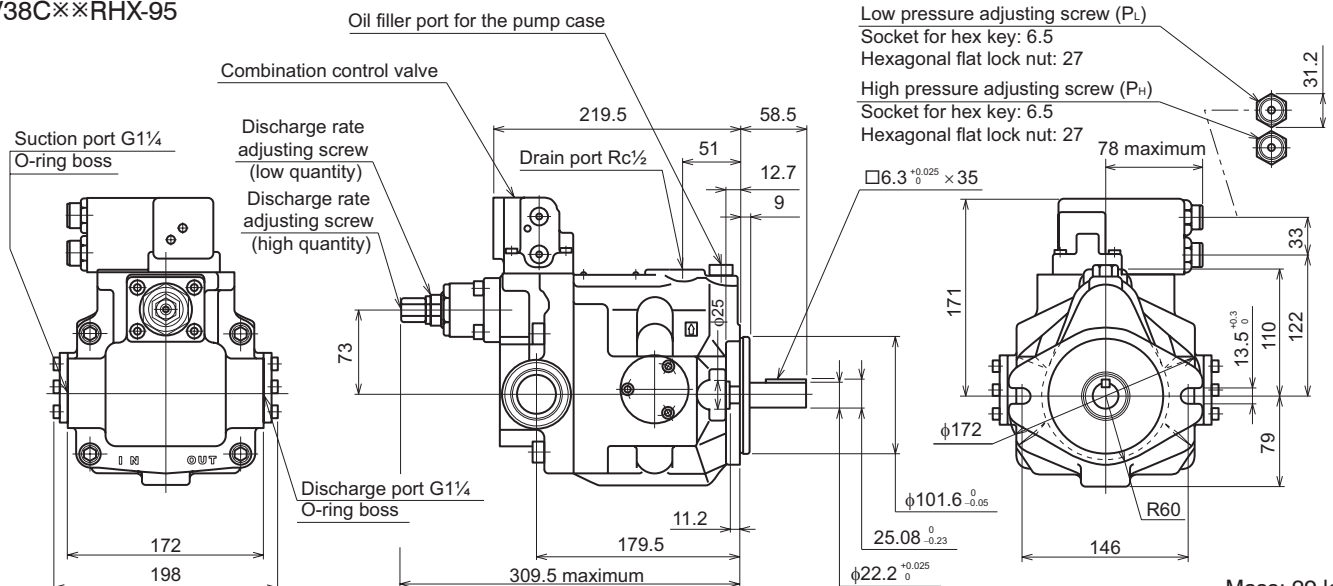
## External dimension diagram

### V38A4R-95RC



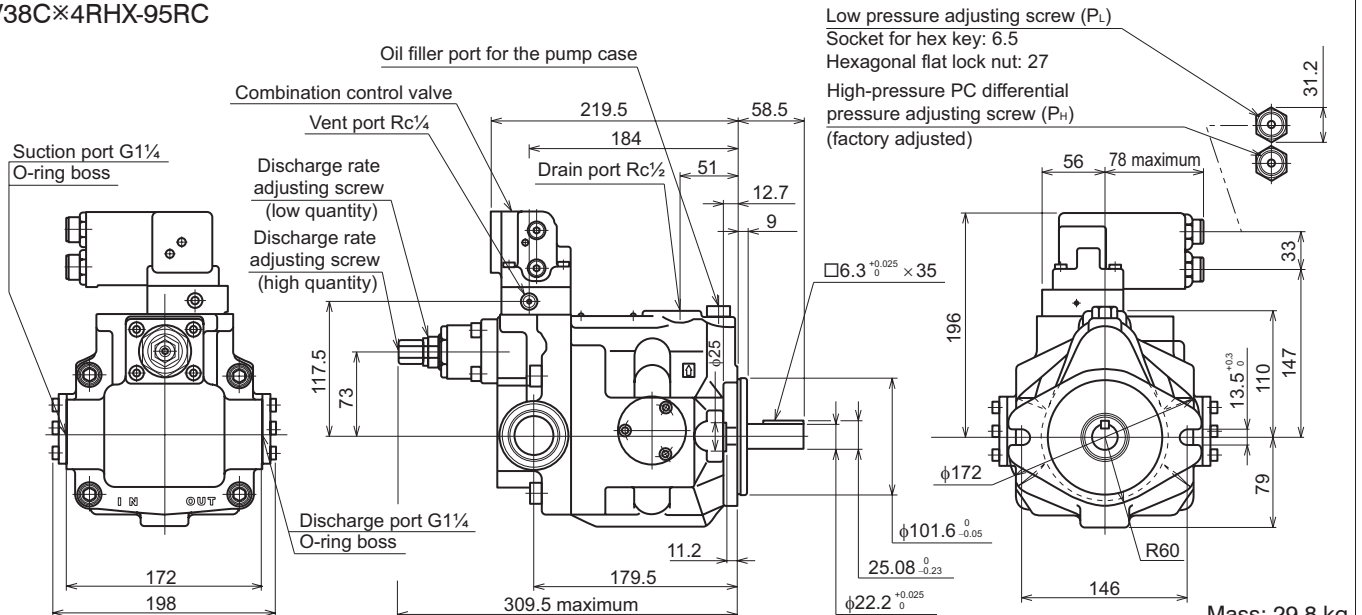
Mass: 26 kg

### V38C $\times$ RHX-95



Mass: 29 kg

### V38C $\times$ 4RHX-95RC



Mass: 29.8 kg

# Contact Details

Before using the product, please check the guide pages at the front of this catalog.

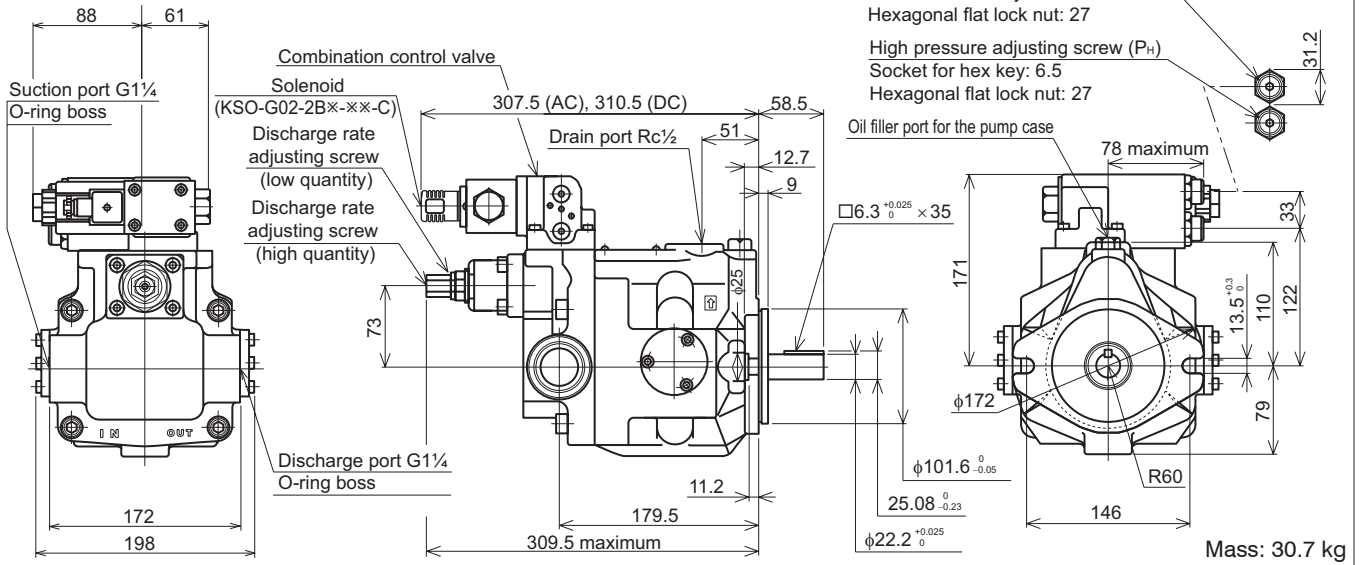
Internet

<https://www.daikinpmc.com/en/>

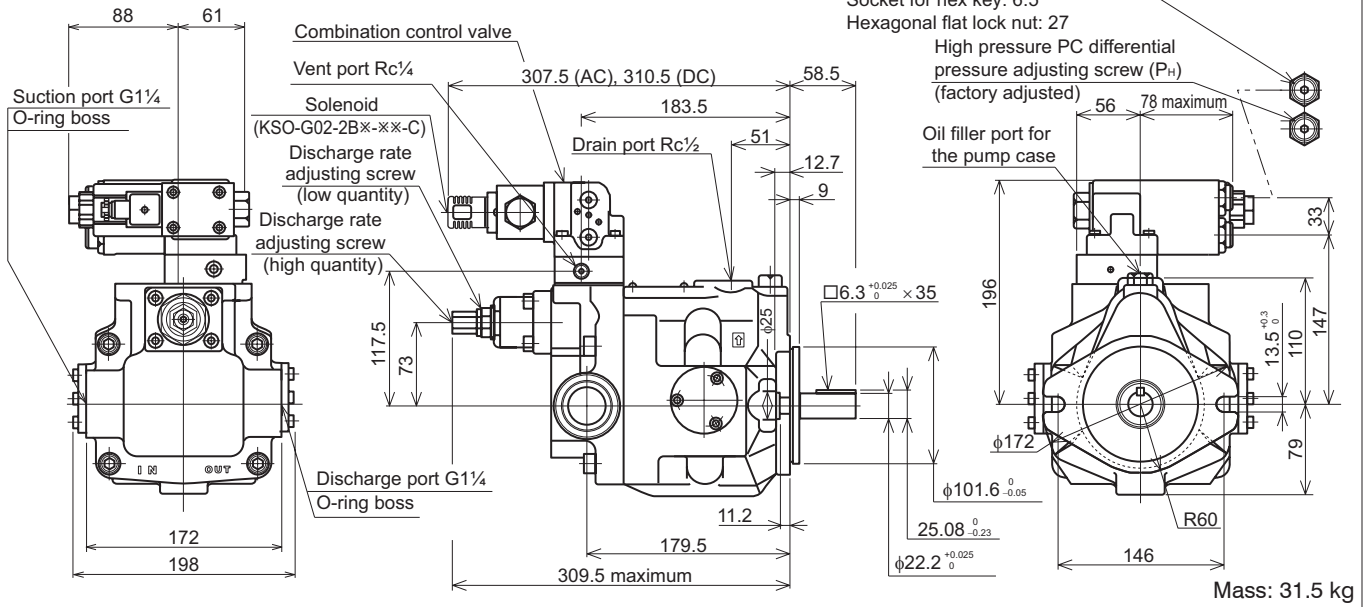
For latest information, PDF catalogs and operation manuals

## External dimension diagram

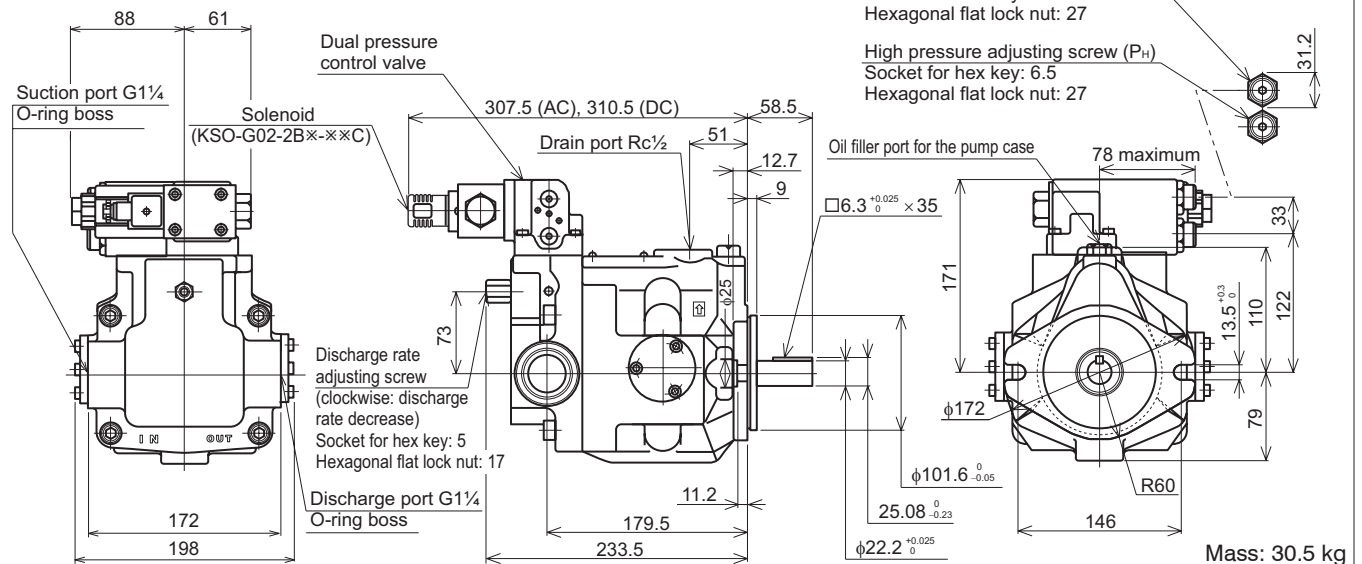
### V38C××RJ×X-95



### V38C×4RJ×X-95RC



### V38D××R×X-95



# Contact Details

Before using the product, please check the guide pages at the front of this catalog.

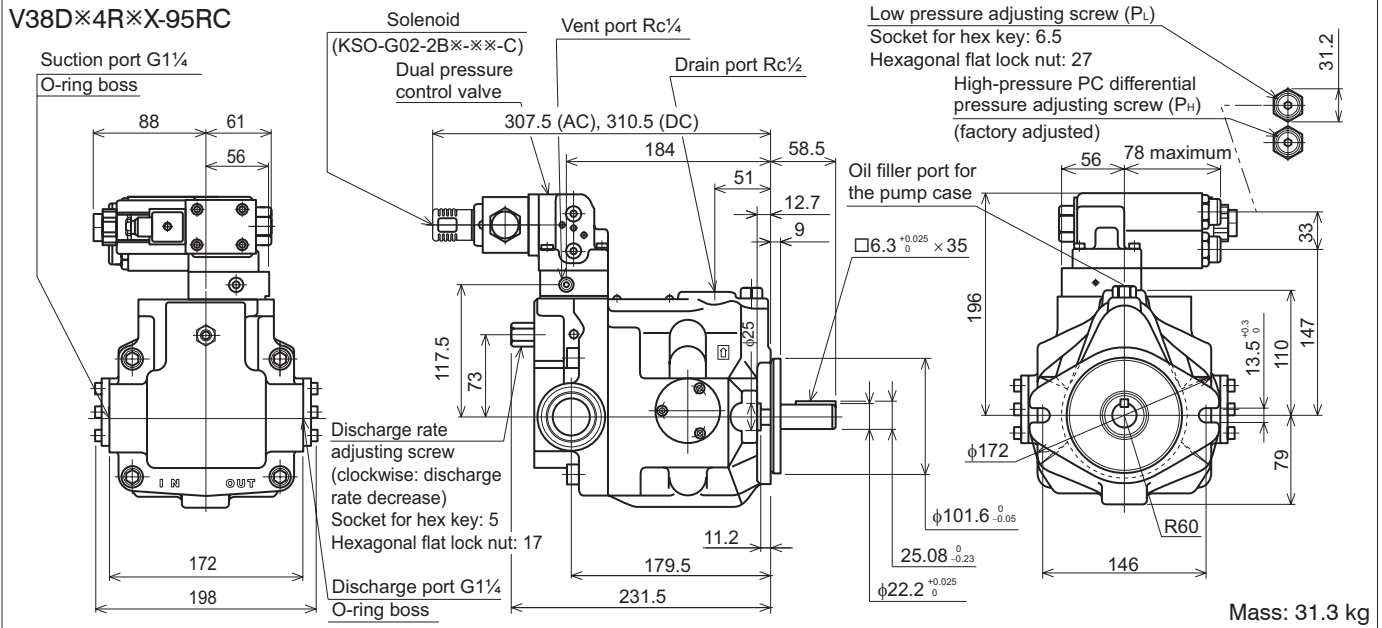
Internet

<https://www.daikinpmc.com/en/>

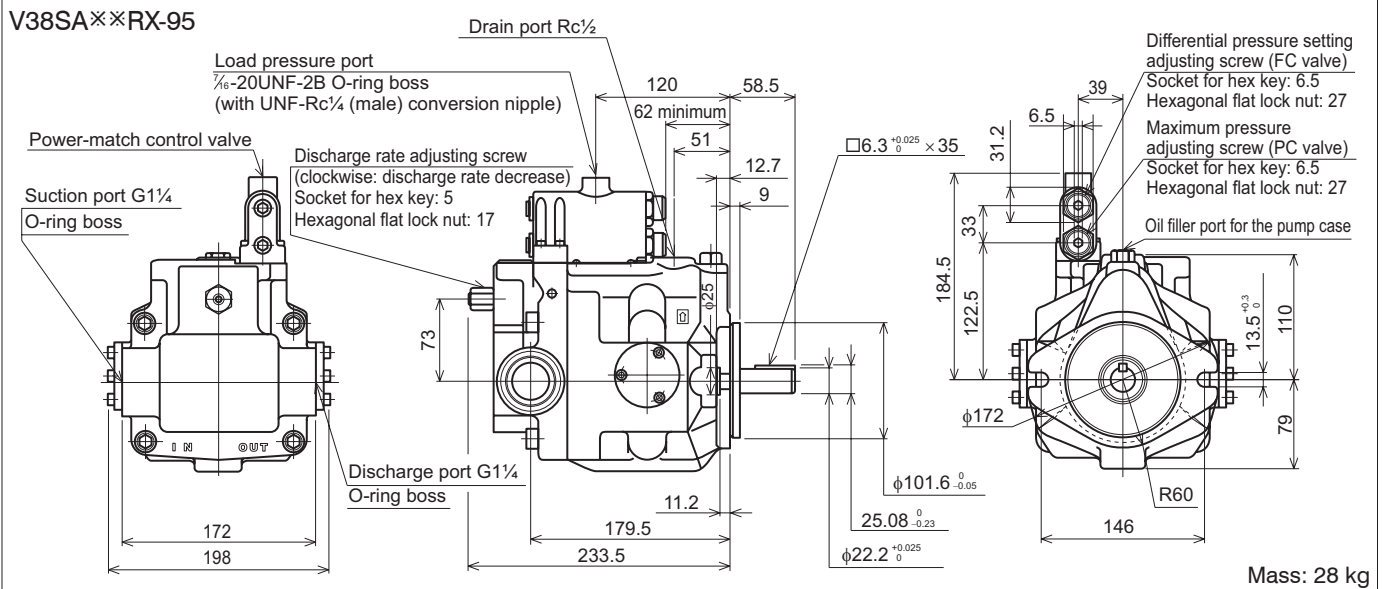
For latest information, PDF catalogs and operation manuals

## External dimension diagram

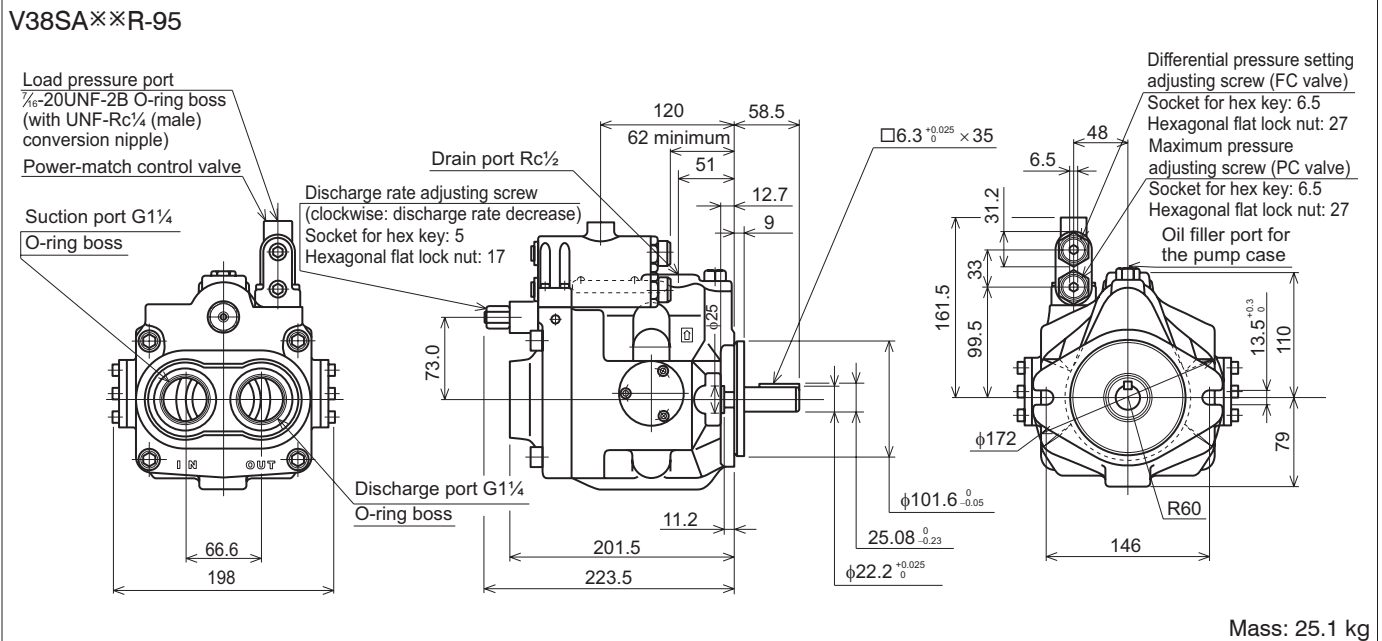
### V38D×4R×X-95RC



### V38SA×RX-95



### V38SA×R-95



# Contact Details

Before using the product, please check the guide pages at the front of this catalog.

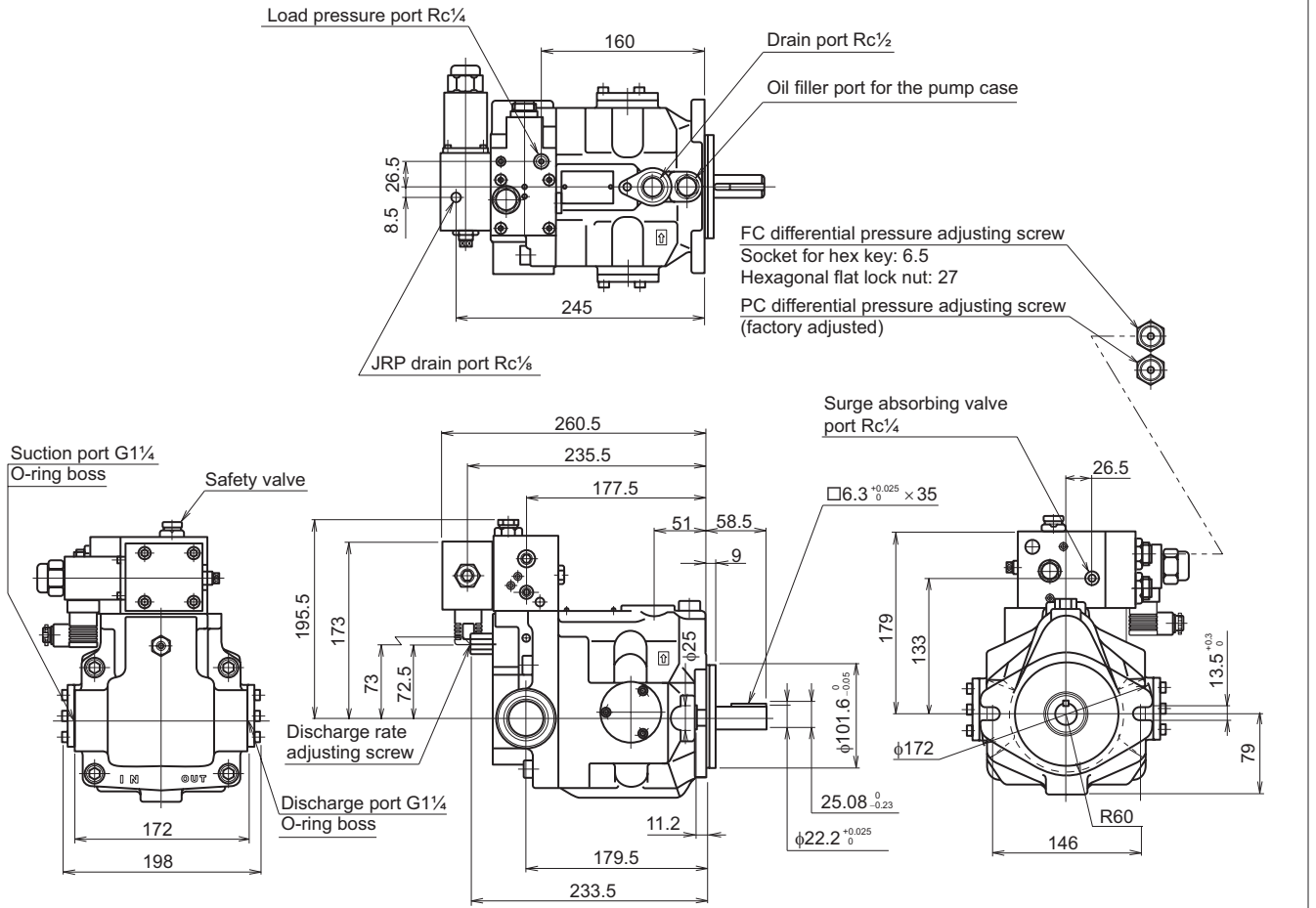
Internet

<https://www.daikinpmc.com/en/>

For latest information, PDF catalogs and operation manuals

## External dimension diagram

V38SAJS-※RX-95



Mass: 32 kg

## Contact Details

Before using the product, please check the guide pages at the front of this catalog.

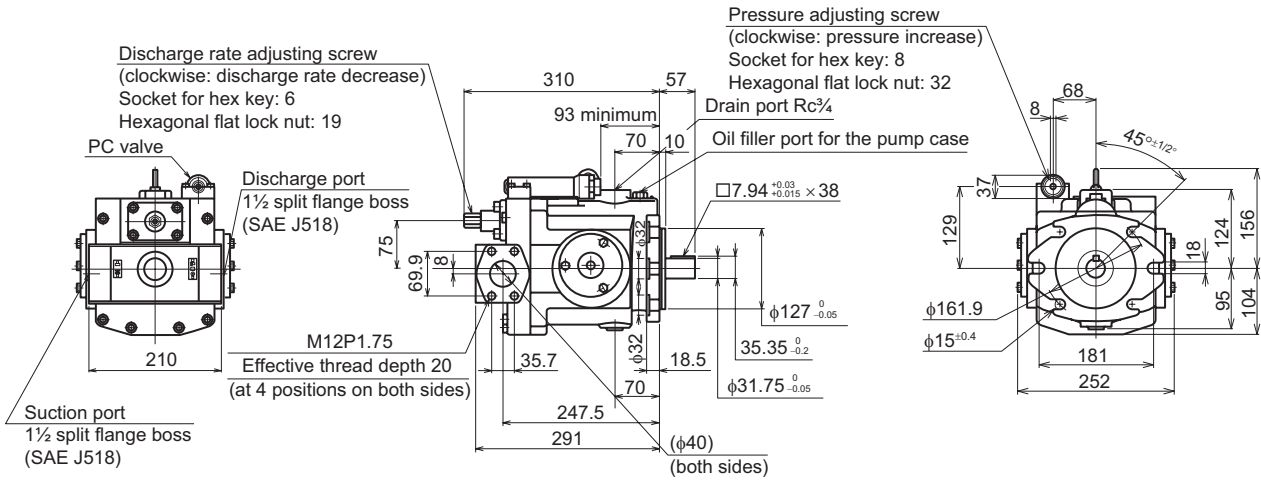
Internet

<https://www.daikinpmc.com/en/>

For latest information, PDF catalogs and operation manuals

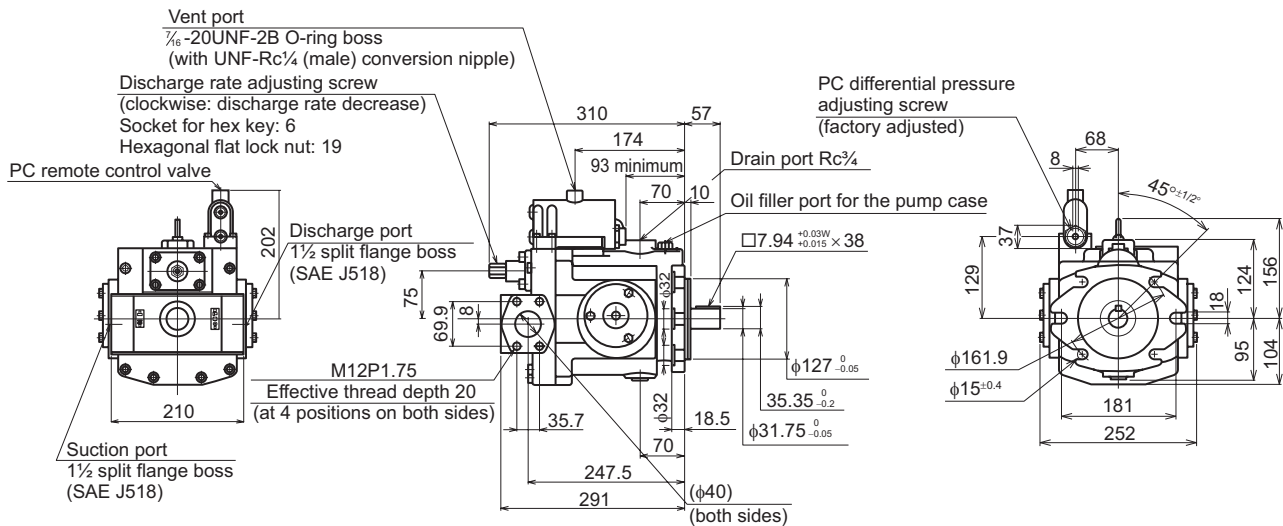
## External dimension diagram

### V50A×RX-20



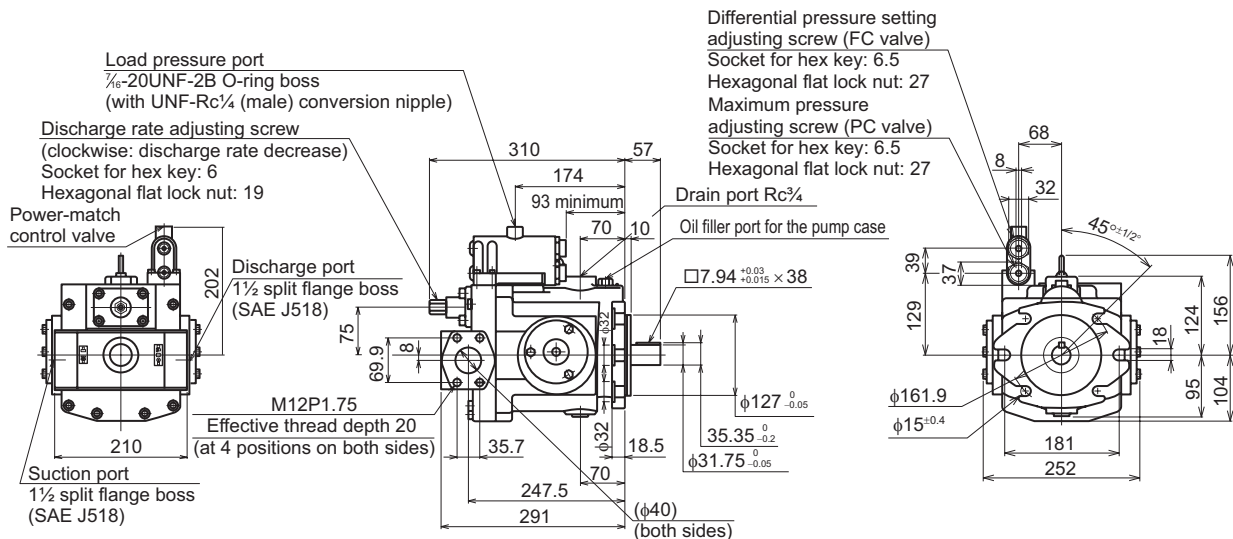
Mass: 50 kg

### V50A3RX-20RC



Mass: 52.1 kg

### V50SA×RX-20



Mass: 53.5 kg

# Contact Details

Before using the product, please check the guide pages at the front of this catalog.

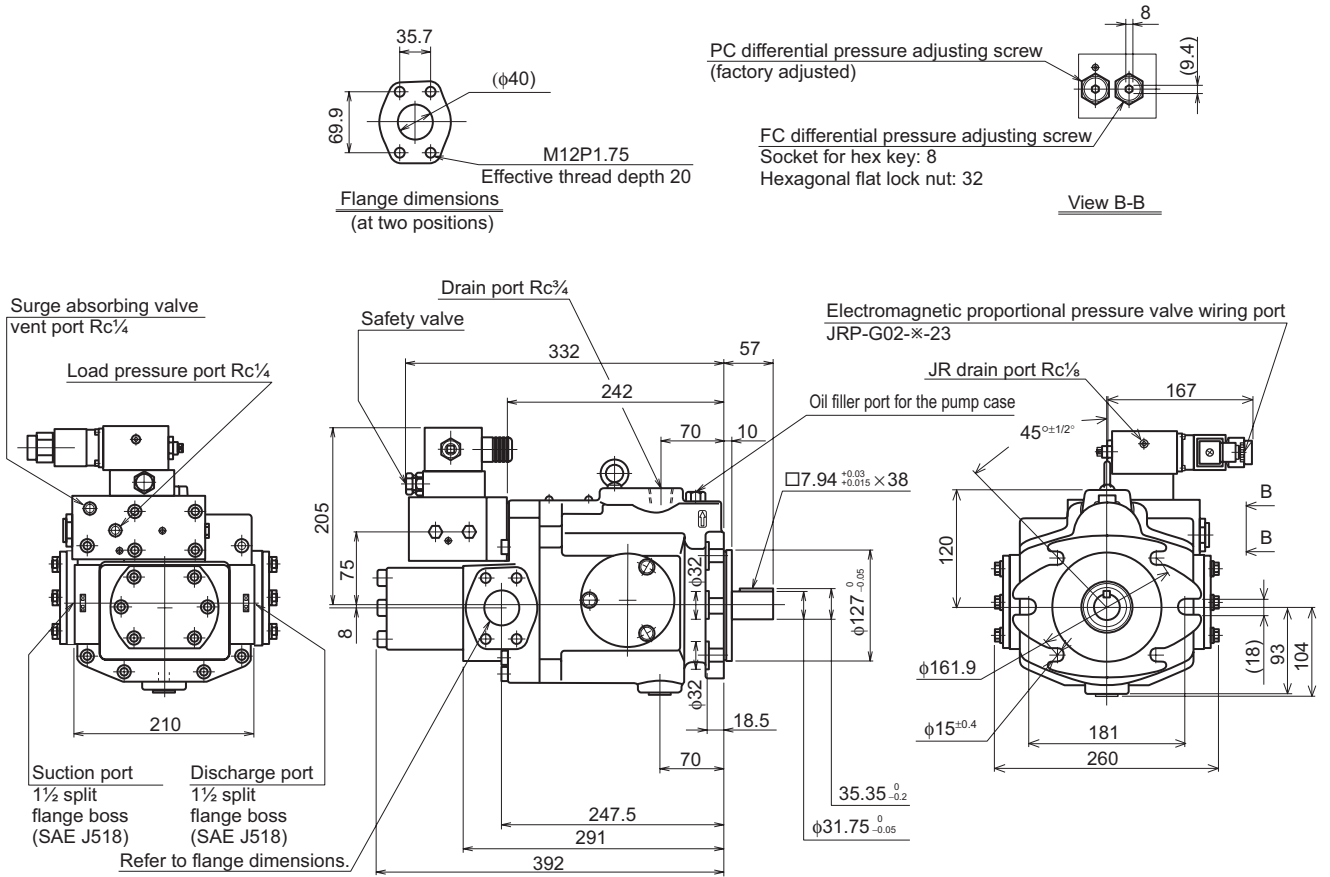
Internet

<https://www.daikinpmc.com/en/>

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## External dimension diagram

V50SAJS-※RX-20



Mass: 69 kg

## Contact Details

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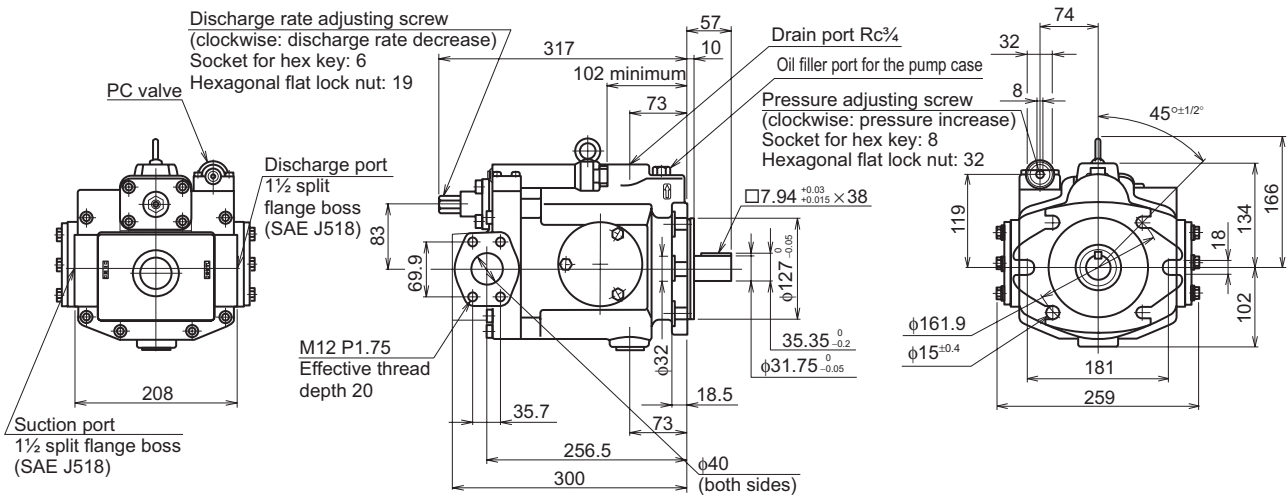
Internet

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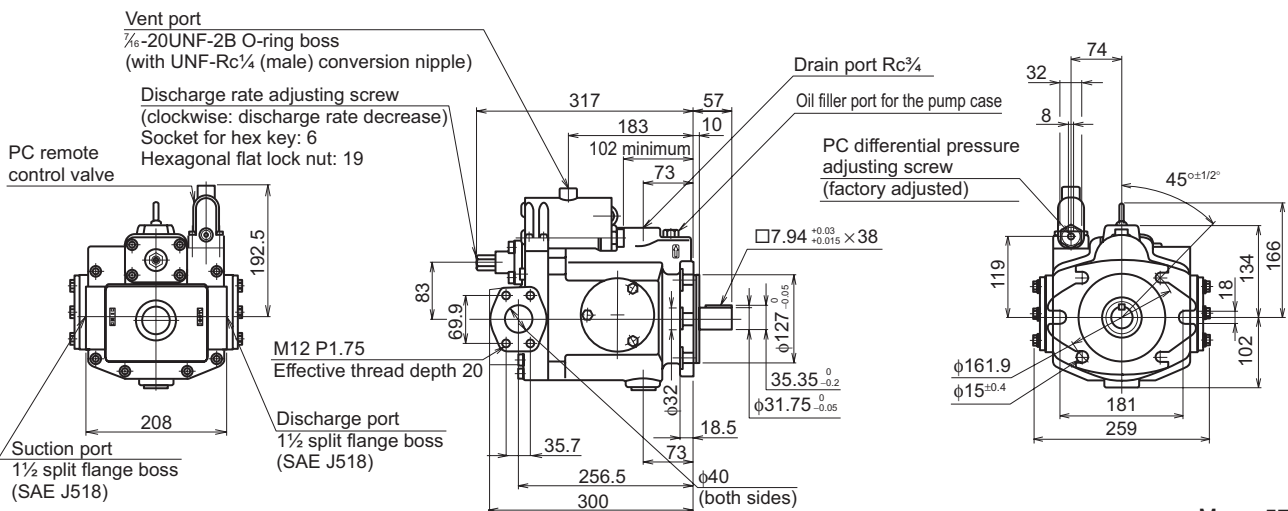
## External dimension diagram

### V70A×RX-60



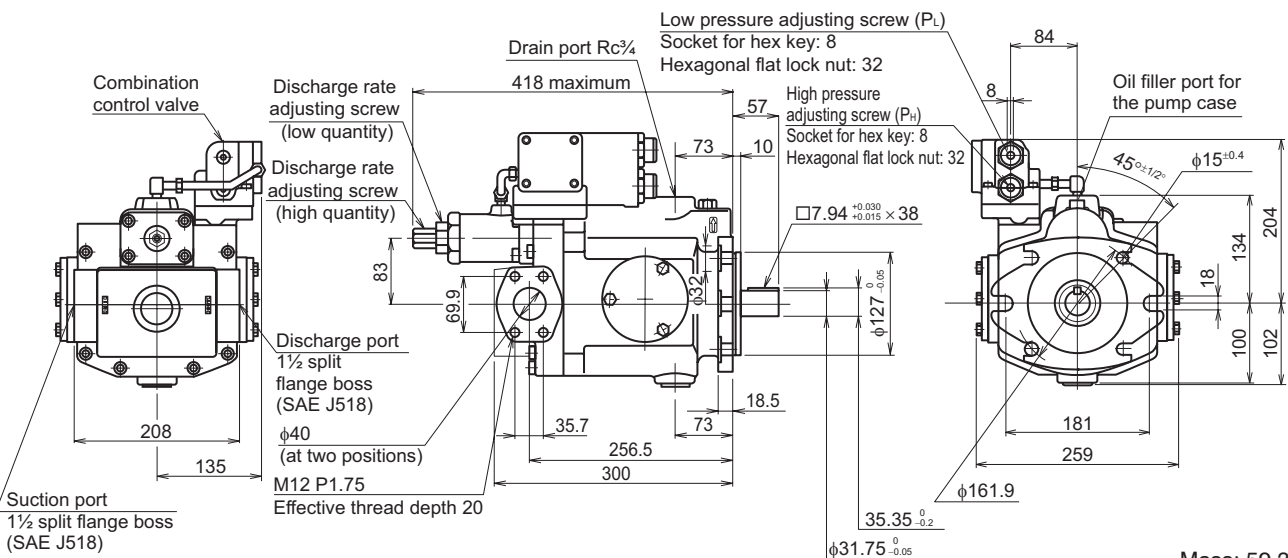
Mass: 55 kg

### V70A3RX-60RC



Mass: 57 kg

### V70C××RHX-60



Mass: 59.3 kg

# Contact Details

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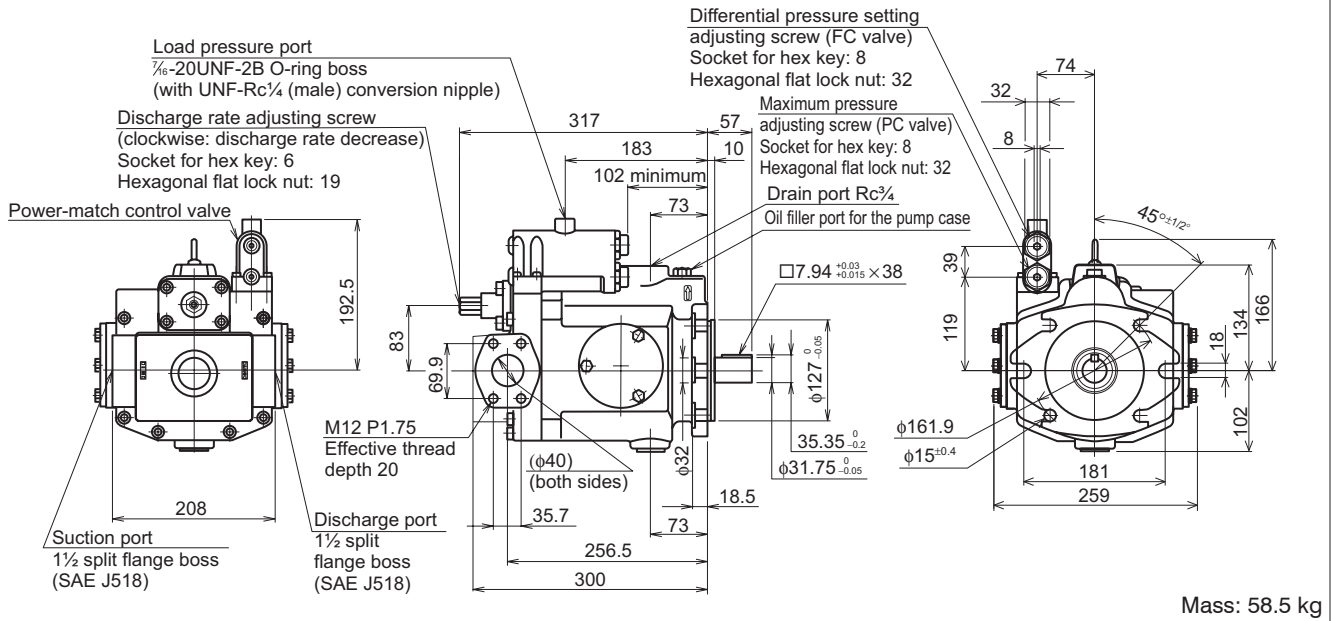
Internet

<https://www.daikinpmc.com/en/>

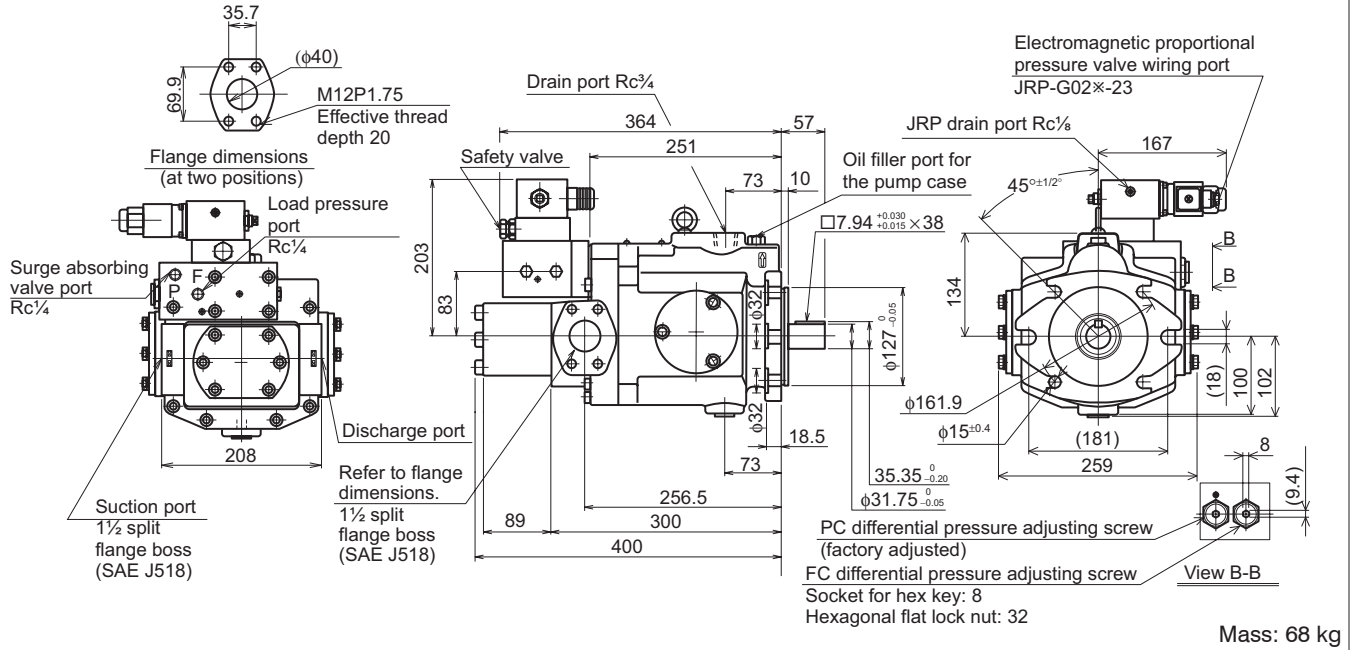
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## External dimension diagram

### V70SA\*\*RX-60



### V70SAJS-\*\*RX-60





## Contact Details

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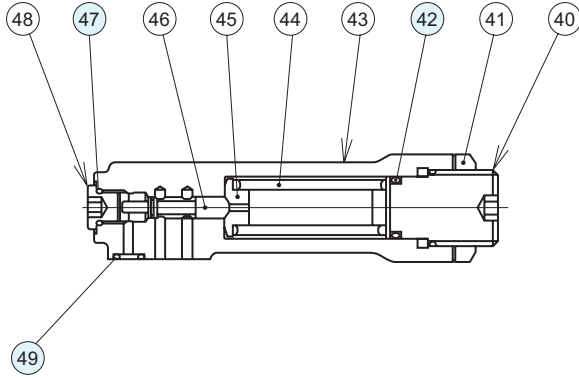
Internet

<https://www.daikinpmc.com/en/>

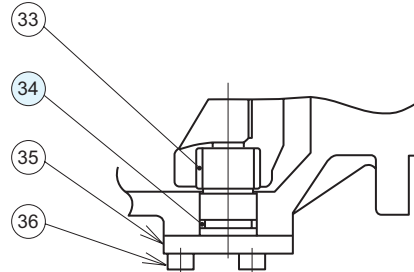
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## Sectional structural diagram

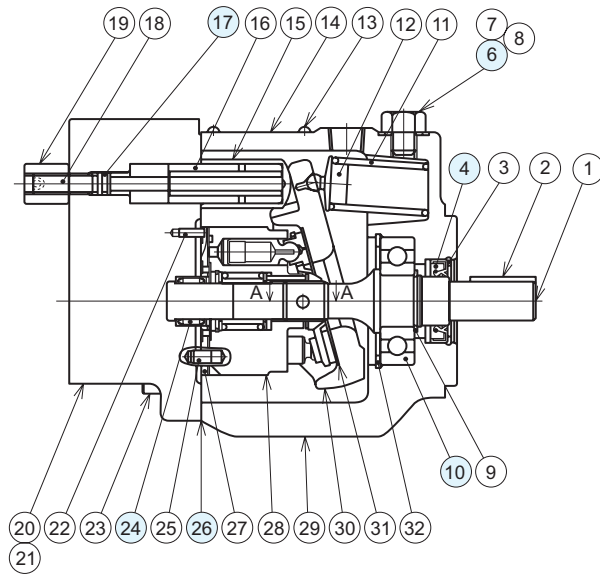
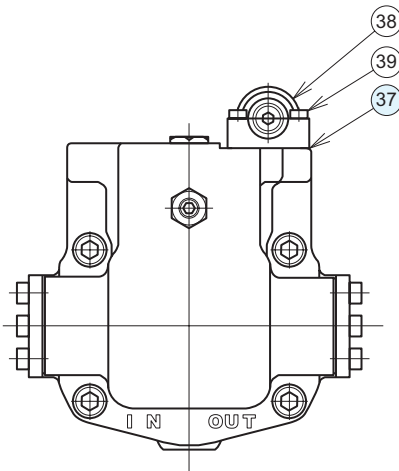
V8, V15



38 Detail of PC valve assembly



Section A-A  
Detail of trunion



V8 Seal/bearing table

Part No.	Name	Quantity	Part specifications	Material
4	Oil seal	1	TCV19358	NBR
6	Sealing washer	1	WF12192	NBR
10	Ball bearing	1	6004	
17	O-ring	1	JIS B 2401 1A-P4	NBR
24	Needle bearing	1	HK1210	
26	Gasket	1	1730500 (special part)	
34	O-ring	2	JIS B 2401 1A-P20	NBR
37	Gasket	1	1741116 (special part)	
42	O-ring	1	JIS B 2401 1B-P14	NBR
47	O-ring	1	AS568-903 (HS90)	NBR
49	O-ring	1	JIS B 2401 1B-P6	NBR

V15 Seal/bearing table

Part No.	Name	Quantity	Part specifications	Material
4	Oil seal	1	TCV24408	NBR
6	Sealing washer	1	WF12192	NBR
10	Ball bearing	1	6305	
17	O-ring	1	JIS B 2401 1A-P8	NBR
24	Needle bearing	1	FJL1715	
26	Gasket	1	1730390 (special part)	
34	O-ring	2	JIS B 2401 1A-P18	NBR
37	Gasket	1	1740698 (special part)	
42	O-ring	1	JIS B 2401 1B-P14	NBR
47	O-ring	1	AS568-903 (HS90)	NBR
49	O-ring	1	JIS B 2401 1B-P6	NBR

# Contact Details

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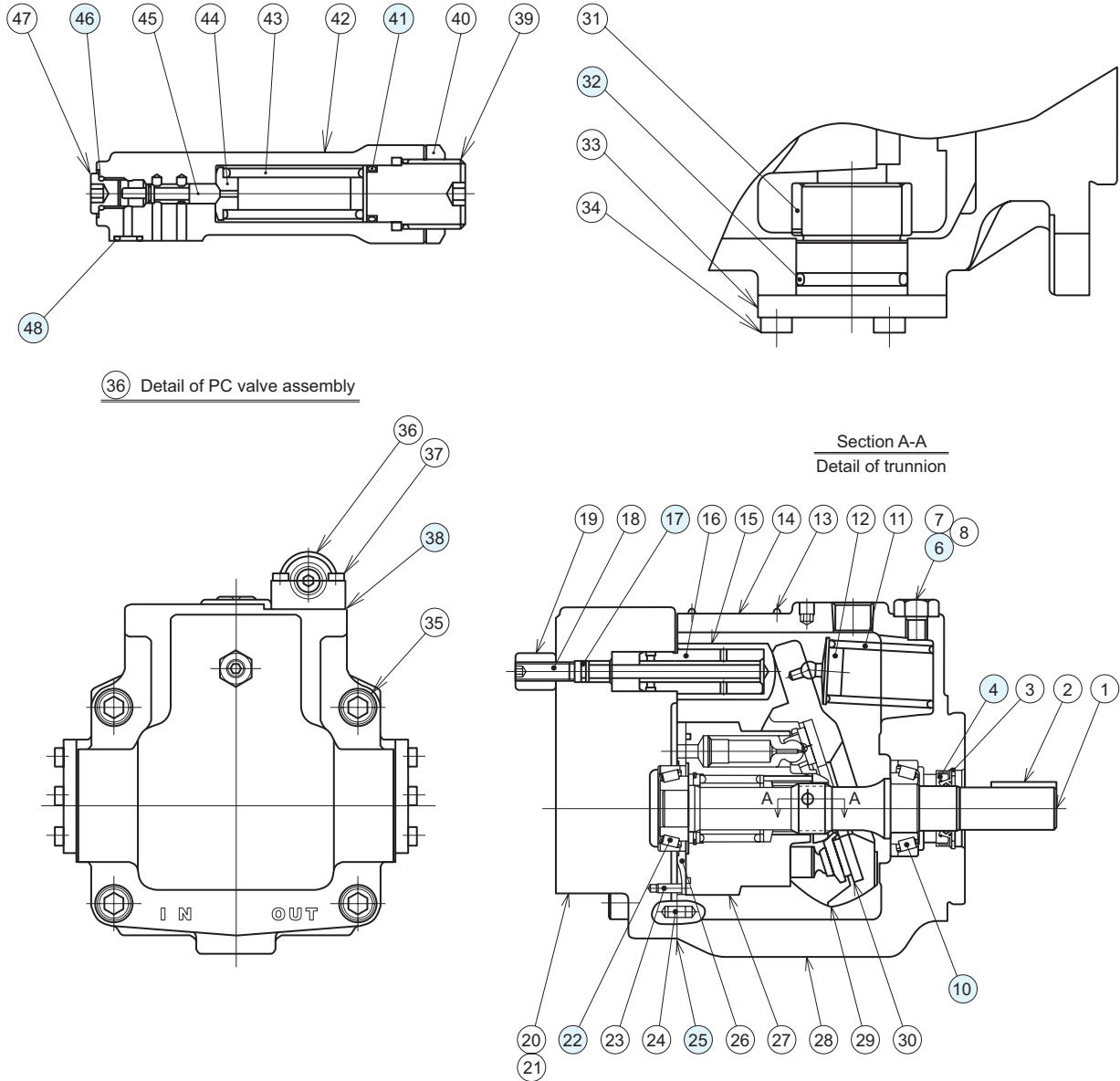
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## Sectional structural diagram

V23, V38



V23 Seal/bearing table

Part No.	Name	Quantity	Part specifications	Material
4	Oil seal	1	TCV24408	NBR
6	Sealing washer	1	WF12192	NBR
10	Tapered roller bearing	1	Cup: 4T-L44610 Cone: 4T-L44643	
17	O-ring	1	JIS B 2401 1A-P8	NBR
22	Tapered roller bearing	1	Cup: 4T- LM11710 Cone: 4T- LM11749	
25	Gasket	1	1730511 (special part)	
32	O-ring	2	JIS B 2401 1A-G30	NBR
38	Gasket	1	1740698 (special part)	
41	O-ring	1	JIS B 2401 1B-P14	NBR
46	O-ring	1	AS568-903 (HS90)	NBR
48	O-ring	1	JIS B 2401 1B-P6	NBR

V38 Seal/bearing table

Part No.	Name	Quantity	Part specifications	Material
4	Oil seal	1	TCV24408	NBR
6	Sealing washer	1	WF12192	NBR
10	Tapered roller bearing	1	Cup: 4T-L44610 Cone: 4T-L44643	
17	O-ring	1	JIS B 2401 1A-P8	NBR
22	Tapered roller bearing	1	Cup: 4T- LM11910 Cone: 4T- LM11949	
25	Gasket	1	1730500 (special part)	
32	O-ring	2	JIS B 2401 1A-G30	NBR
38	Gasket	1	1740698 (special part)	
41	O-ring	1	JIS B 2401 1B-P14	NBR
46	O-ring	1	AS568-903 (HS90)	NBR
48	O-ring	1	JIS B 2401 1B-P6	NBR

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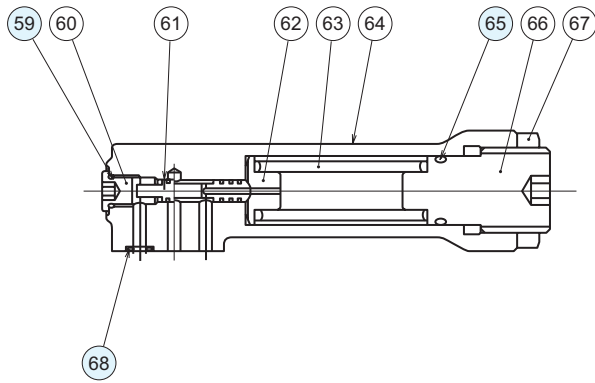
Internet

<https://www.daikinpmc.com/en/>

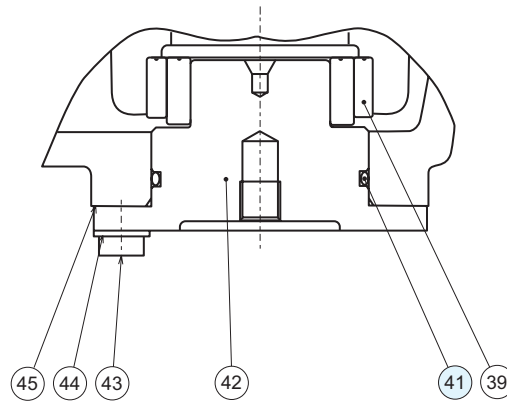
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## Sectional structural diagram

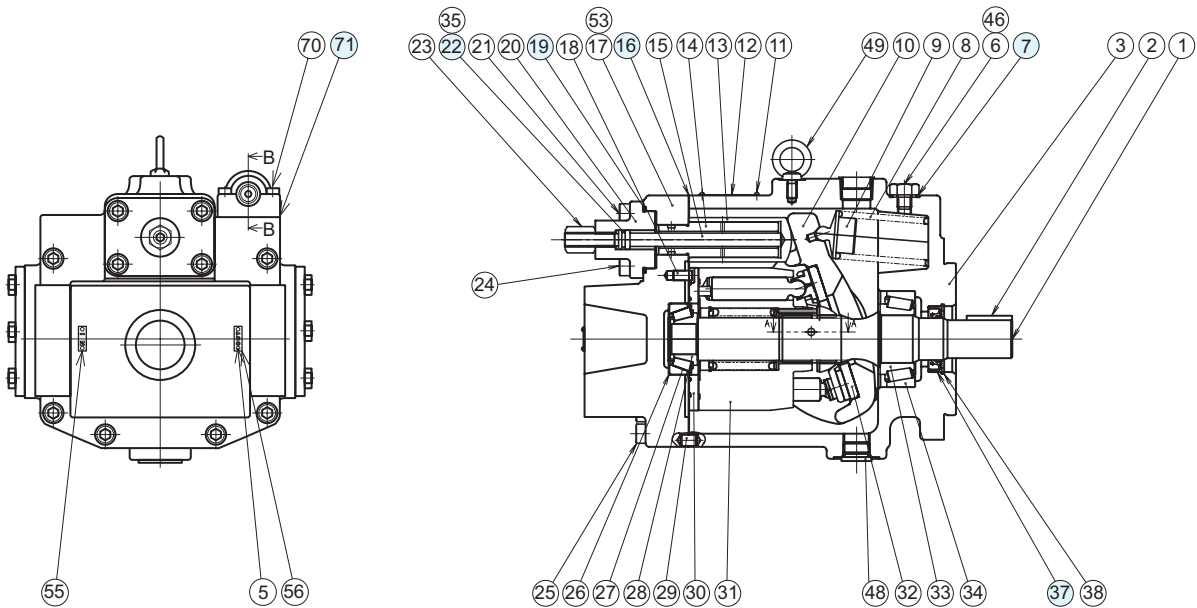
V50, V70



58 Detail of PC valve assembly



Section A-A  
Detail of trunnion



V50 Seal/bearing table

Part No.	Name	Quantity	Part specifications	Material
7	Sealing washer	1	WF12192	NBR
16	Gasket	1	1020257 (special part)	
19	O-ring	1	JIS B 2401 1A-G50	NBR
22	O-ring	1	JIS B 2401 1A-P12	NBR
37	Oil seal	1	TCV355511	NBR
41	O-ring	2	AS568-228 (HS70)	NBR
59	O-ring	1	AS568-903 (HS90)	NBR
65	O-ring	1	JIS B 2401 1A-P18	NBR
68	O-ring	1	JIS B 2401 1B-P6	NBR
71	Gasket	1	1740975 (special part)	

V70 Seal/bearing table

Part No.	Name	Quantity	Part specifications	Material
7	Sealing washer	1	WF12192	NBR
16	Gasket	1	1730446 (special part)	
19	O-ring	1	JIS B 2401 1A-G50	NBR
22	O-ring	1	JIS B 2401 1A-P12	NBR
37	Oil seal	1	TCV355511	NBR
41	O-ring	2	AS568-230 (HS70)	NBR
59	O-ring	1	AS568-903 (HS90)	NBR
65	O-ring	1	JIS B 2401 1A-P18	NBR
68	O-ring	1	JIS B 2401 1B-P6	NBR
71	Gasket	1	1740975 (special part)	