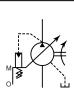
NACHİ

VDC SERIES HIGH PRESSURE TYPE VARIABLE VOLUME VANE PUMP





VDC Series

High-Pressure Type Variable Volume Vane Pump

30 to 120 ℓ /min 14MPa

(1) Highly efficient and stable high-pressure operation

Features

Innovative pressure control and pressure balance mechanisms combine with an original 3-point ring support system dramatically improves high-pressure operation. The result is outstanding performance at high pressures up to 14MPa.

2Low vibration and noise

A number of innovative new mechanisms are adopted to minimize vibration and noise. In particular, a 3-point support system is used for the control piston and bias piston to increase ring stability. This minimizes ring vibration and delivers quiet operation.

3Outstanding response, high-precision operation

An innovative new ring stopper eliminates excessive ring displacement and improves response. The result is high precision operation at all times, including during starts, stops, and load changes.

(4) Precise characteristics for a stable discharge rate

A revolutionary new pressure compensator type pressure con-

trol mechanism ensures a highly stable fixed discharge rate, even in the high pressure range.

⑤High efficiency operation with minimal power loss

New mechanical innovations minimize power loss, especially at full cutoff.

6Simplified maintenance and handling

Pressure adjusting and discharge rate adjusting mechanisms are located on the same side of the pump for simplified maintenance and handling.

| Model No. | Capacity | No- | load Discha | rge Rate (ℓ | /min) | Pressure Adjustment Range | Allowable Peak Pressure | | on Speed n⁻¹ | Weight | |
|--------------------------|----------------------|------|-------------|-------------|------------------|--|--|---------|-----------------|--------|------|
| Model No. | cm ³ /rev | | 1500min-1 | 1800min-1 | MPa {kgf/cm²} | MPa {kgf/cm²} | Min. | Max. | kg | | |
| VDC-1A(B) -1A2-20 1A3 | 16.7 | 16.7 | 20 | 25 | 30 | 1.5 to 3.5 {15.3 to 35.7} 2 to 7 {20.4 to 71.4} | 14(140) | 800 | 1800 | 9.5 | |
| 1A4 1A5 | 10.7 | 10.7 | 20 | 20 | | 5 to10.5 {51 to 107} 7 to14 {71.4 to 143} | 21{214} | 000 | 1000 | 0.0 | |
| VDC-1A(B) –2A2-20 2A3 | 22 | 22 | 27 | 33 | 40 | 1.5 to 3.5 {15.3 to 35.7} 2 to 7 {20.4 to 71.4} | 1 14114:35 | 800 | 1800 | 9.5 | |
| VDC-2A(B) –1A2-20 1A3 | 30 | 30 | 36 | 45 | 54 | 1.5 to 3.5 {15.3 to 35.7} 2 to 7 {20.4 to 71.4} | 14(140) | 800 | 1000 | 05 | |
| 1A4 1A5 | 30 | 30 | 30 | 40 | 54 | 5 to10.5 {51 to 107} 7 to14 {71.4 to 143} | 21{214} | 800 | 1800 | 25 | |
| VDC-2A(B) -2A2-20 2A3 | 39 | 39 | 47 | 58 | 70 | 1.5 to 3.5 {15.3 to 35.7} 2 to 7 {20.4 to 71.4} | 14{143} | 800 | 1800 | 25 | |
| VDC-3A(B) –1A2-20 1A3 | 67 | 67 | 80 | 100 | 100 | 1.5 to 3.5 {15.3 to 35.7} 2 to 7 {20.4 to 71.4} | 14{143} | 800 | 1000 | 47 | |
| 1A4 1A5 | 67 | 67 | 80 | 100 | 120 | 120 | 5 to 10.5 {51 to 107} 7 to 14 {71.4 to 143} | 21{214} | 800 | 1800 | (33) |

Specifications

Double Pump

| Model No. | | Vent Sic | le | | Shaft Si | de | Revolution Speed min ⁻¹ | | |
|-----------------------|-------------|------------|------------------------------|-------------|------------|------------------------------|---------------------------------------|------|--------------|
| Foot Mounting Type | Discharge I | Rate ℓ/min | Pressure Adjustment Range | Discharge I | Rate ℓ/min | Pressure Adjustment Range | | | Weight kg |
| (Flange Mounting) | 1800min-1 | 1500min-1 | MPa {kgf/cm²} | 1800min-1 | 1500min -1 | MPa {kgf/cm²} | Min. | Max. | Ng |
| VDC-11A(B)-2A3-2A3-20 | 40 | 33 | 2 to 7 {20.4 to 71.4} | 40 | 33 | 2 to 7 {20.4 to 71.4} | 800 | 1800 | Type A 27 |
| VDC-11A(B)-2A3-1A5-20 | 40 | | | 30 | 25 | 7 to14 {71.4 to 143} | 800 | 1000 | Type B 20 |
| VDC-12A(B)-2A3-2A3-20 | 40 | 33 | 2 to 7 {20.4 to 71.4} | 70 | 58 | 2 to 7 {20.4 to 71.4} | | | |
| VDC-12A(B)-2A3-1A5-20 | 40 | 33 | | 54 | 45 | 7 to14 {71.4 to 143} | 800 | 1800 | Type A 42 |
| VDC-12A(B)-1A5-2A3-20 | 30 | 25 | 7 to 14 {71.4 to 143} | 70 | 58 | 2 to 7 {20.4 to 71.4} | | | Type B 35 |
| VDC-12A(B)-1A5-1A5-20 | 30 | | | 54 | 45 | 7 to14 {71.4 to 143} | | | |
| VDC-22A(B)-2A3-2A3-20 | 70 | 58 | 0 to 7 (00 4 to 71 4) | 70 | 58 | 2 to 7 {20.4 to 71.4} | 800 | 1800 | Type A 62 |
| VDC-22A(B)-2A3-1A5-20 | 70 | 56 | 2 to 7 {20.4 to 71.4} | 54 | 45 | 7 to14 {71.4 to 143} | 800 | 1800 | Type B 50 |
| VDC-13A(B)-2A3-1A3-20 | 40 | 33 | 2 to 7 {20.4 to 71.4} | | | 2 to 7 {20.4 to 71.4} | | | |
| VDC-13A(B)-2A3-1A5-20 | 40 | | 2 10 7 [20.4 10 7 1.4] | 100 | 100 | 7 to14 {71.4 to 143} | 800 | 1000 | Type A 62 |
| VDC-13A(B)-1A5-1A3-20 | 20 | 0.5 | 7 to 14 (71 4 to 140) | 120 | 100 | 2 to 7 {20.4 to 71.4} | 800 | 1800 | Type B 48 |
| VDC-13A(B)-1A5-1A5-20 | 30 | 25 | 7 to 14 {71.4 to 143} | | | 7 to14 {71.4 to 143} | | | |

Note) 1. VDC-3A, VDC-11A, VDC-12A and VDC-13A are foot mounting types, and come with foot mountings. 2. VDC-1A and VDC-2A are sub plate types. Sub plates are not included.

- Handling
- 1 Rotation Direction The direction of rotation is always is clockwise (rightward) when viewed from the shaft side.
- 2 Drain Drain piping must be direct piping up to a point that is below the tank fluid level, and piping should comply with the conditions shown in the table below to ensure that back pressure due to pipe resistance does not exceed 0.1MPa. When using a pump that has drain ports at two locations, use the drain port that is higher after the pump is installed.

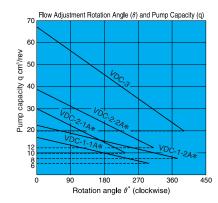
In the case of a double pump, run separate pipes from both the shaft side and the head side drains directly connect to the tank, so the drain pipe is below the surface of the oil.

| Model No. Item | VDC-1 | VDC-2 | VDC-3 | | |
|-------------------|--------------|--------------|------------|--|--|
| Pipe Joint | At least | At least | At least | | |
| Size | 1/4" | 1/4" | 3/8" | | |
| Pipe I.D. | At least | At least | At least | | |
| | <i>φ</i> 7.6 | <i>φ</i> 7.6 | | | |
| Pipe | 1m or | 1m or | 1m or less | | |
| Length | Iess | Iess | | | |

3Discharge Volume Adjustment The discharge flow rate is decreased by clockwise (rightward) rotation of the discharge rate adjusting screw, and increased by counterclockwise (leftward) rotation.

Loosen the lock nut before making adjustments. After adjustment is complete, re-tighten the lock nut. The graph below provides general guidelines for the relationship between the rotation angle of the flow rate adjusting screw and the no-load discharge rate.

- However: $Q=q \times N \times 10^{-3}$
- Q : No-load Discharge RateQ ℓ /min
- q : Volume c m³/rev
- N : Revolution Speed min⁻¹



Note)

B-26

The values indicated above are at maximum pump discharge volume with the flow volume adjusting screw at the 0°position.

The broken line shows the flow volume adjustment range lower limit value.

⁴Pressure Adjustment Pressure is increased by clockwise (rightward) rotation of the discharge rate adjusting screw, and decreased by counterclockwise (leftward) rotation.

Loosen the lock nut before making adjustments. After adjustment is complete, re-tighten the lock nut.

- 5 Factory Default P-Q Settings (Standard Model)
 - Flow Rate Setting = Maximum flow rate for model as indicated in the catalog

• Pressure Setting = Pressure shown in table below

6Thrust Screw and Stopper The thrust screw and stopper are precision adjusted at the factory during assembly. Never touch them.

See callouts 15/43 and 15/38 in the VDC-1A and 2A/3A crosssection diagrams on pages B-33 and B-34.

- 7 An unload circuit is required when the motor is started under condition $\lambda - \Delta$. Contact your agent about the unload circuit.
- Initial Operation Before operating the pump for the first time, put the pump discharge side into the no-load state and then repeatedly start and stop the motor to bleed all air from inside the pump and the suction piping. After confirming that the pump is discharging oil, continue the no-load operation for at least 10 minutes to discharge all the air from the circuit. Provide an air bleed valve in circuits where it is difficult to bleed air before startup.

9Sub Plate

Use the table below for to specify a sub plate type when one is required.

| Factory Default |
|---------------------------|
| Pressure Settings |
| MPa{kgf/cm ² } |
| 2:3.5{35.7} |
| 2.0.0(00.7) |
| 3:3 {30.6} |
| 4:5 {51 } |
| 5:7 {71.4} |
| e (, |

Sub Plate Number

| Pump Model No. | Sub Plate Number | Motor (kW) |
|----------------|------------------|-------------|
| VDC-1A-1A*-20 | MVD-1-115-10 | 0.75 to 1.5 |
| VD0-1A-1A -20 | | 2.2 to 3.7 |
| VDC-1A-2A*-20 | MVD-1-115Y-10 | 0.75 to 1.5 |
| VD0-1A-2A -20 | MVD-1-135Y-10 | 2.2 to 3.7 |
| VDC-2A-*A*-20 | MVD-2-135-10 | 2.2 to 3.7 |
| VD0-2A- A -20 | MVD-2-160-10 | 5.5 |
| VDC-2A-2A*-20 | MVD-2-160Z-10 | 5.5 |

Note) See pages B-17 and B-18 for detailed dimensions.

10Foot Mounting

- For a double pump with VDC-3 foot mounting, the foot mounting kit and pump are sold as a set. When only the mounting feet are required, pump mounting bolts, washers and other parts are sold together as the Foot Mounting Kit. See page B-36 for detailed dimensions.
- ¹¹For the hydraulic operating fluid, use type ISO VG32 or equivalent (viscosity index of at least 90) for pressures of 7MPa or lower, and type ISO VG68 or equivalent (viscosity index of at least 90) for pressures greater than 7MP.
- 12The operating temperature range is 15 to 60°C. When the oil temperature at startup is 15°C or less, perform a warm-up operation at low pressure until the oil temperature reaches 15°C. Use the pump in an area where the temperature is within the range of 0 to 60°C.
- 13Suction pressure is -0.03 to +0.03MPa (-0.3 to +0.3kgf/cm²), and the suction port flow rate should be no greater than 2m/sec.
- 14 Avoid pulley, gear, and other drive systems that impart a radial or thrust load on the end of the pump shaft.

Mount the pump so its pump shaft is oriented horizontally.

- ¹⁵Provide a suction strainer with a filtering grade of about $100\mu m$ (150 mesh). For the return line to the tank, use a $25\mu m$ line filter.
- 16 Manage hydraulic operating fluid so contamination is maintained at class NAS10 or lower. Take care to avoid contamination with water and other foreign matter, and watch out for discoloration. Whitish fluid indicates that air has contaminated the fluid, and brownish fluid indicates the fluid is dirty.
- Contact your agent about using water- and glycol-based hydraulic operating fluids.
- 18At startup, repeat the inching operation (start-stop) to bleed air from the pump and pipes.

(Continued on following page)

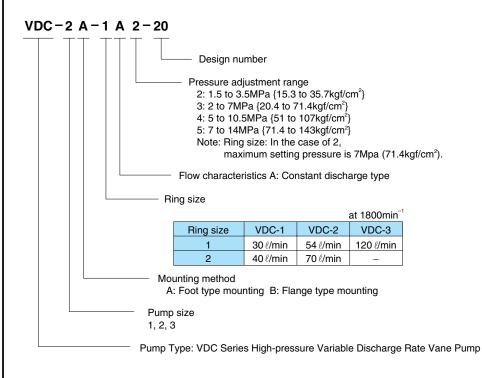
Vane Pumps

- ¹⁹Equip an air bleed valve in circuits where it is difficult to bleed air before startup. See page C-13 for more information.
- ²⁰To ensure proper lubrication of the pump's rubbing surfaces, supply oil to the interior of the pump before starting operation.
- 21When centering the pump shaft, eccentricity with the motor shaft should be no greater than 0.05mm. Use a pump mounting base of sufficient rigidity.

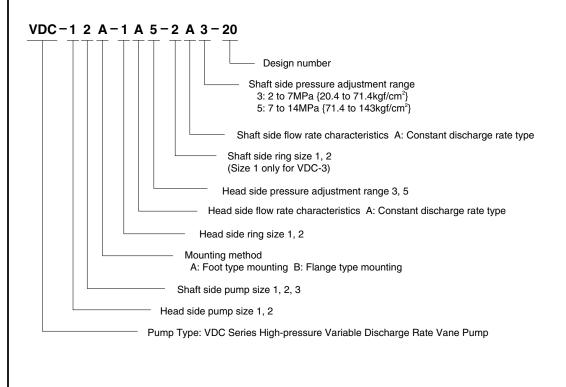
The angle error should be no greater than 1°.

Understanding Model Numbers

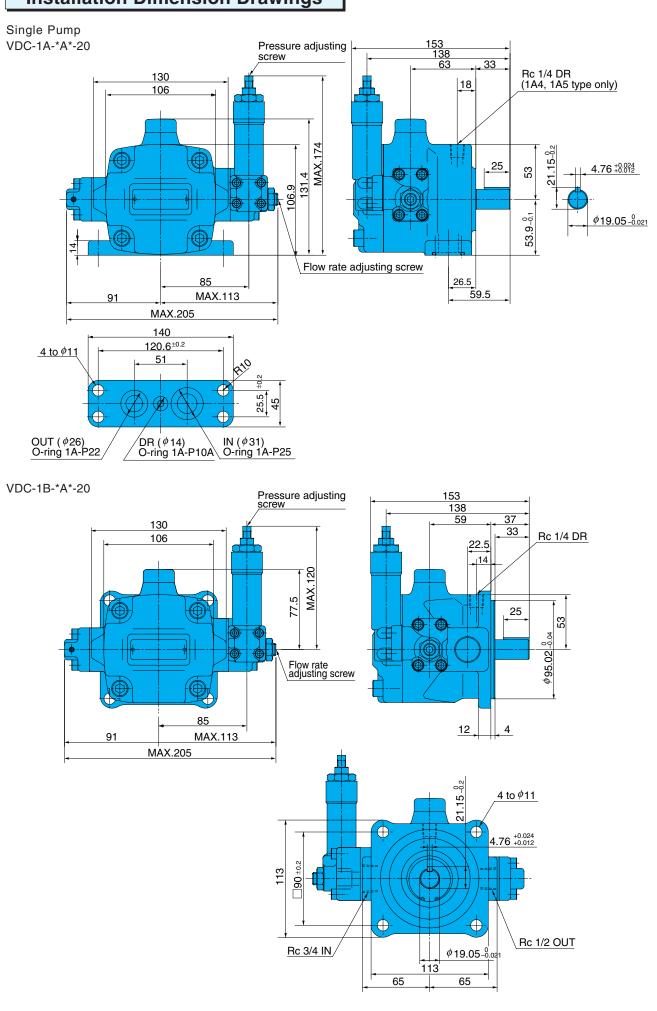
Single Pump

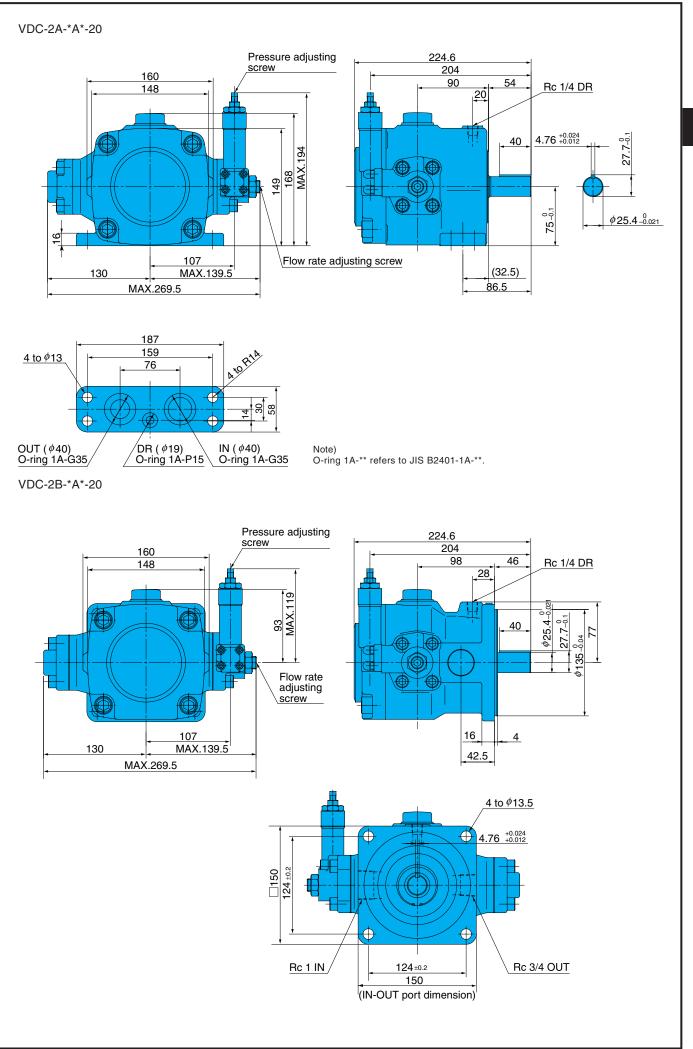


Double Pump

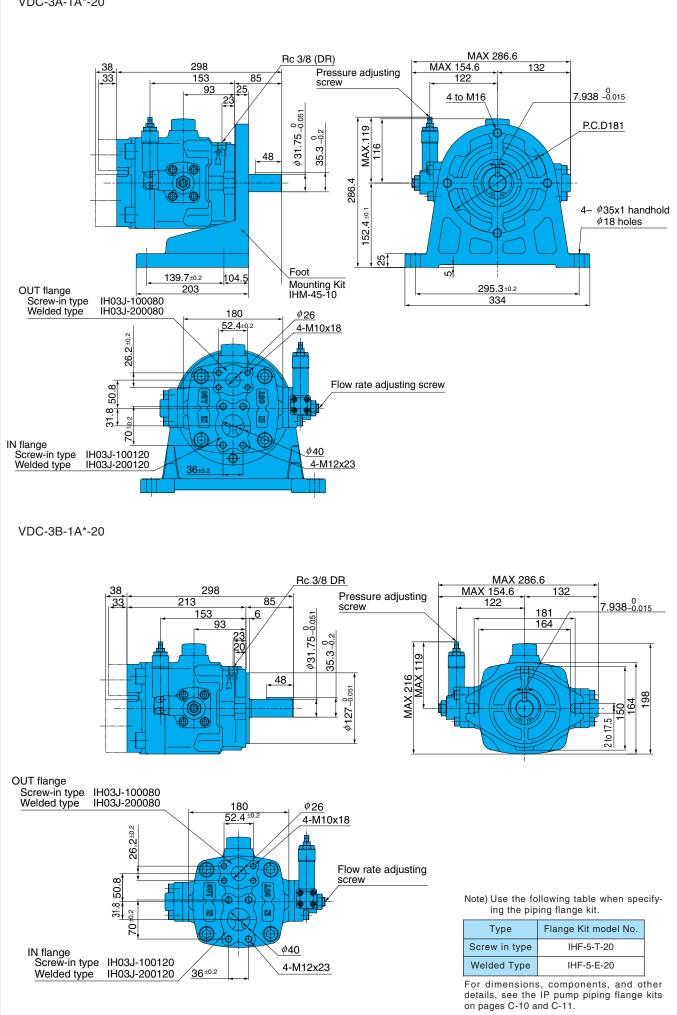


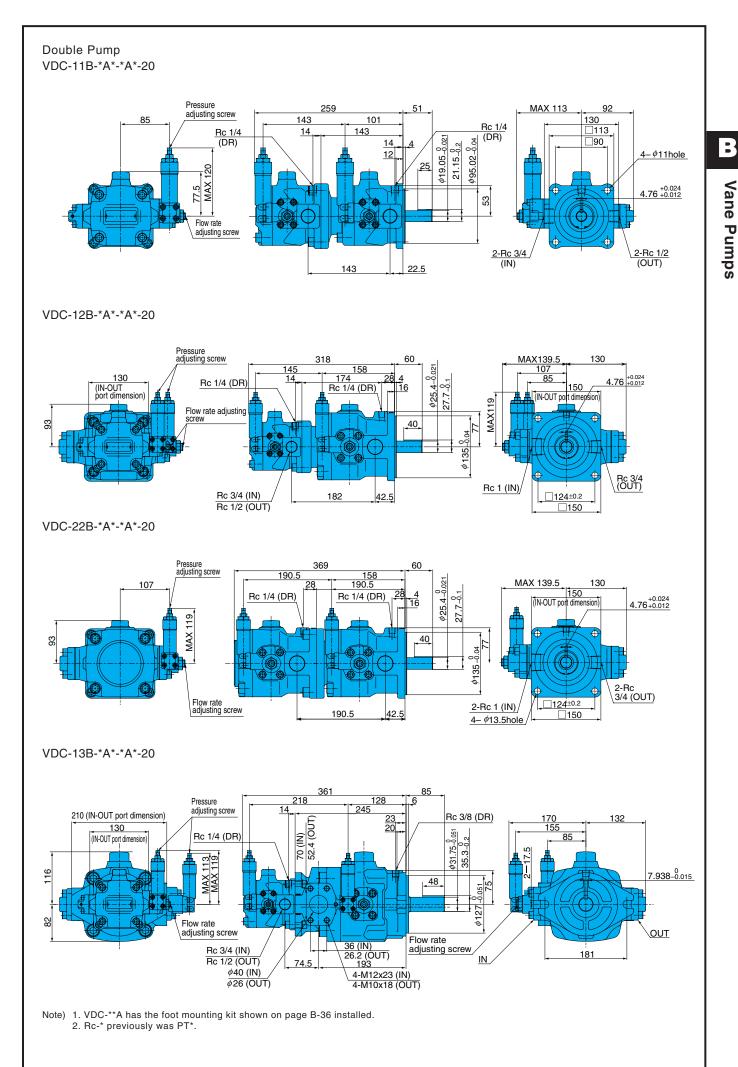






VDC-3A-1A*-20

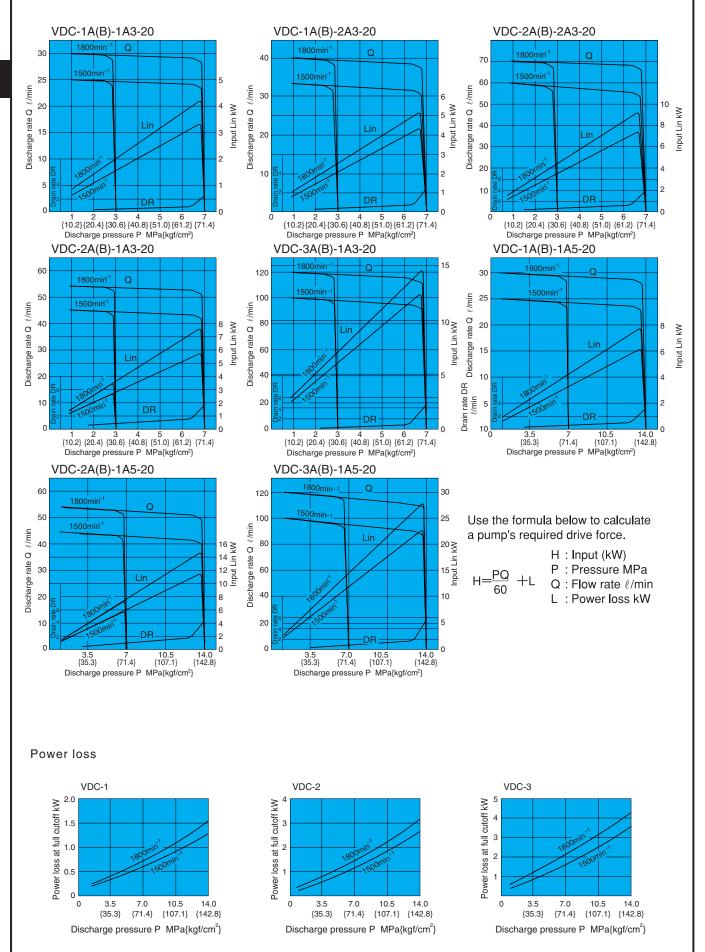


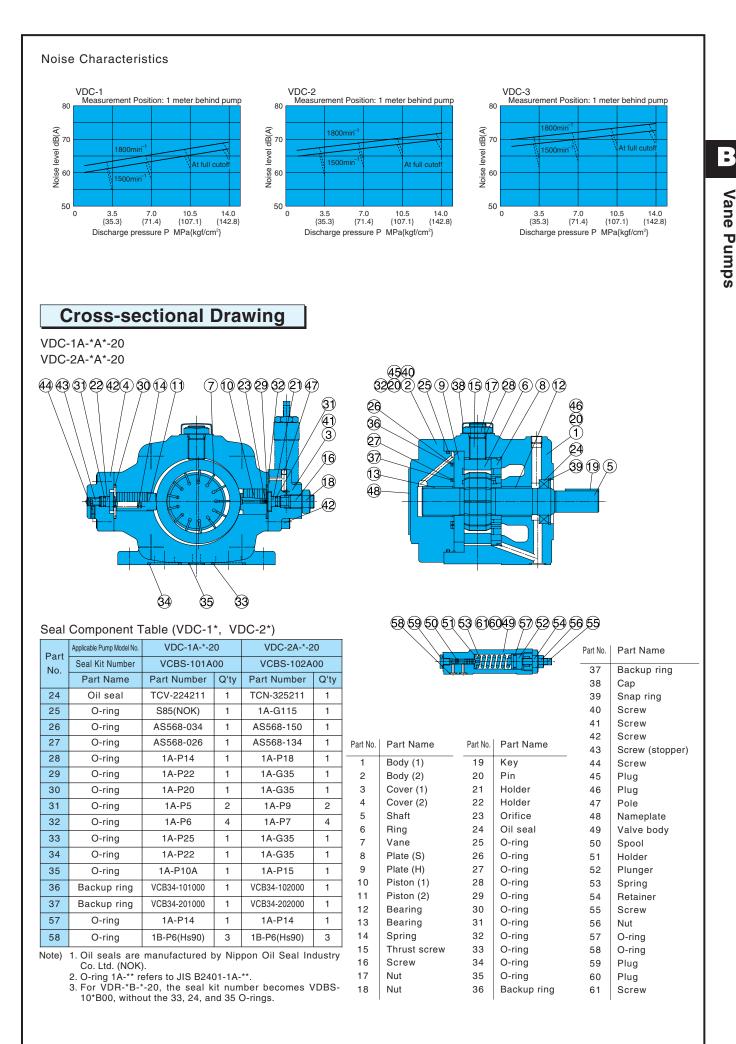


B-31

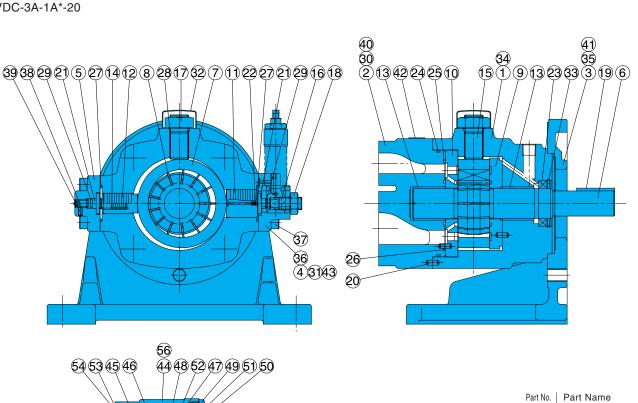
Performance Curves

Typical characteristics at hydraulic operating fluid kinematic viscosity of 32 mm²/s





B-33



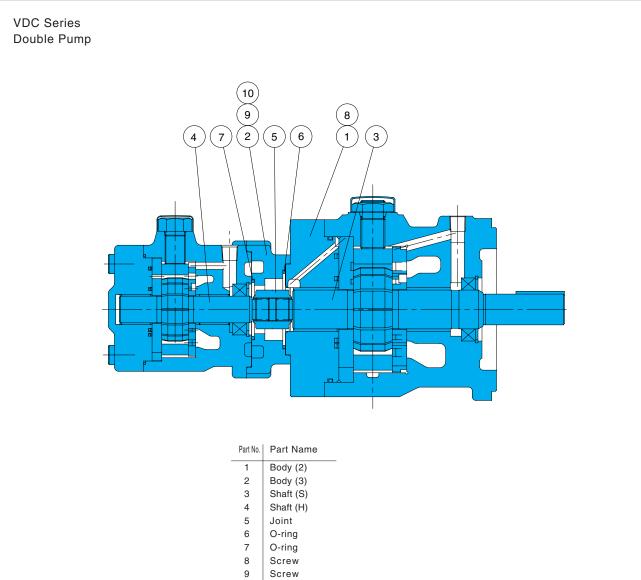
Seal Component Table (VDC-3*)

| Part | Applicable Pump Model No. | VDC-3A(B)-* | -20 |
|------|---------------------------|-----------------|------|
| No. | Seal Kit Number | VCBS-103B | 00 |
| 110. | Part Name | Part Number | Q'ty |
| 23 | Oil seal | TCN-385811 | 1 |
| 24 | O-ring | 1A-G130 | 1 |
| 25 | O-ring | AS568-154(Hs90) | 1 |
| 26 | O-ring | AS568-151(Hs90) | 1 |
| 27 | O-ring | 1A-G40 | 2 |
| 28 | O-ring | 1A-P22 | 1 |
| 29 | O-ring | 1A-P9 | 2 |
| 30 | O-ring | 1A-P7 | 2 |
| 31 | O-ring | 1A-P7 | 2 |
| 52 | O-ring | 1A-P14 | 1 |
| 53 | O-ring | 1B-P6(Hs90) | 3 |

Note) 1. Oil seals are manufactured by Nippon Oil Seal Industry Co. Ltd. (NOK).
2. O-ring 1A-** refers to JIS B2401-1A-**.

| Part No. | Part Name | Part No. | Part Name |
|----------|--------------|----------|-----------|
| 1 | Body (1) | 17 | Nut |
| 2 | Body (2) | 18 | Nut |
| 3 | Mounting | 19 | Key |
| 4 | Cover (1) | 20 | Pin |
| 5 | Cover (2) | 21 | Holder |
| 6 | Shaft | 22 | Orifice |
| 7 | Ring | 23 | Oil seal |
| 8 | Vane | 24 | O-ring |
| 9 | Plate (S) | 25 | O-ring |
| 10 | Plate (H) | 26 | O-ring |
| 11 | Piston (1) | 27 | O-ring |
| 12 | Piston (2) | 28 | O-ring |
| 13 | Bearing | 29 | O-ring |
| 14 | Spring | 30 | O-ring |
| 15 | Thrust screw | 31 | O-ring |
| 16 | Screw | 32 | Cap |

| art No. | Part Name | | | | | | | |
|---------|-----------------|--|--|--|--|--|--|--|
| 33 | Snap ring | | | | | | | |
| 34 | Screw | | | | | | | |
| 35 | Screw | | | | | | | |
| 36 | Screw | | | | | | | |
| 37 | Screw | | | | | | | |
| 38 | Screw (stopper) | | | | | | | |
| 39 | Screw | | | | | | | |
| 40 | Plug | | | | | | | |
| 41 | Washer | | | | | | | |
| 42 | Nameplate | | | | | | | |
| 43 | Pole | | | | | | | |
| 44 | Valve body | | | | | | | |
| 45 | Spool | | | | | | | |
| 46 | Holder | | | | | | | |
| 47 | Plunger | | | | | | | |
| 48 | Spring | | | | | | | |
| 49 | Retainer | | | | | | | |
| 50 | Screw | | | | | | | |
| 51 | Nut | | | | | | | |
| 52 | O-ring | | | | | | | |
| 53 | O-ring | | | | | | | |
| 54 | Plug | | | | | | | |
| 55 | Plug | | | | | | | |
| 56 | Screw | | | | | | | |
| | | | | | | | | |



- 10 Screw
- Note)

In the case of a double pump, use single pump parts in addition to the 10 parts listed above.

List of Sealing Parts

| Par | Part Name | VDC-11A-*-*-20 | | VDC-12 | A-*-*20 | VDC-22A-*-*-20 | | VDC-13A-*-*-20 | |
|-----|------------|----------------|--------|-------------|---------|----------------|------|----------------|------|
| No. | r art Name | Part Number | Q'ty | Part Number | Q'ty | Part Number | Q'ty | Part Number | Q'ty |
| 6 | O-ring — | | 1A-G60 | 1 | 1A-G60 | 1 | _ | | |
| 7 | O-ring | 1A-G85 | 1 | 1A-G45 | 1 | 1A-G60 | 1 | 1A-G85 | 1 |

Note)

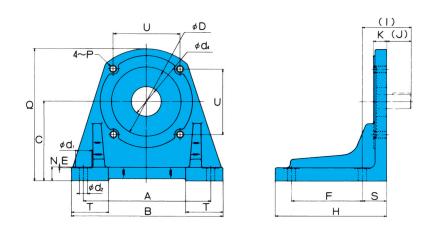
See the description of the single pump for seal parts that are not included in the list.
 O-ring 1A-** refers to JIS B2401-1A-**.

B

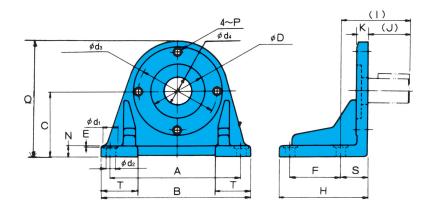
Vane Pumps

Foot Mounting Installation Measurement Chart

For VDC-11A and VDC-*2A

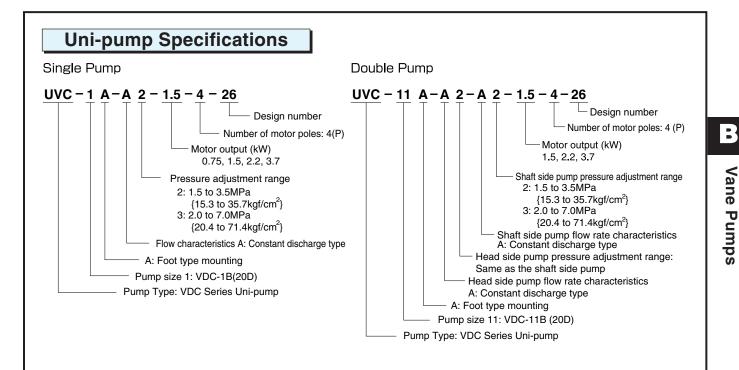


For VDC-3A and VDC-13A



| Foot Mounting | Applicable Pump | | Dimensions (mm) | | | | | | | | |
|---------------|------------------|------------|-----------------|---------|------|--------|-----|--------|---|-------|-----|
| Kit Model No. | Model No. | Bolt | Q'ty | Washer | Q'ty | A | В | С | E | F | Н |
| VCM-11-20 | VDC-11 | TH-10 × 30 | 4 | WS-B-10 | 4 | 171.45 | 204 | 107.95 | 1 | 95.25 | 150 |
| VCM-22-20 | VDC-12 VDC-22 | TH-12 × 35 | 4 | WS-B-12 | 4 | 235 | 267 | 139.7 | 1 | 127 | 193 |
| IHM-45-10 | VDC-3 VDC-13 | TB-16 × 40 | 2 | WP-16 | 2 | 295.3 | 334 | 152.4 | 1 | 139.7 | 203 |

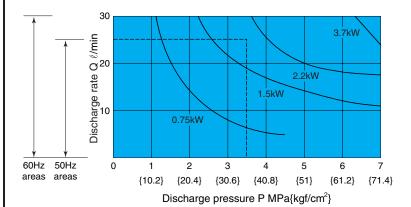
| Foot Mounting | Dimensions (mm) | | | | | | | | | | | | Weight | | |
|---------------|-----------------|-----|----|----|-----|-----|------|------|-----|-------|------------------|--------------|---------------|------------|------|
| Kit Model No. | I | (J) | К | Ν | Р | Q | S | Т | U | φ D | φ d ₁ | ϕd_{2} | $\phi d_{_3}$ | ϕd_4 | kg |
| VCM-11-20 | 66.5 | 33 | 18 | 18 | M10 | 180 | 32.5 | 50 | 90 | 95.02 | 22 | 11 | _ | 40 | 6.5 |
| VCM-22-20 | 84.5 | 40 | 20 | 20 | M12 | 232 | 44.5 | 57.5 | 124 | 135 | 22 | 14 | — | 40 | 12.0 |
| IHM-45-10 | 104.5 | 60 | 25 | 25 | M16 | 259 | 44.5 | 61 | | 127 | 35 | 18 | 181 | 86 | 13.5 |



Specifications

| Model No. | Maximum Working Pressure | Maximum Flow Rate ℓ /min | | | | | |
|-----------|-----------------------------|-------------------------------|-------|--|--|--|--|
| Model No. | MPa{kgf/cm ² } | 50Hz | 60Hz | | | | |
| UVC- 1A | 7{71.4} | 25 | 30 | | | | |
| UVC-11A | 7{71.4} | 25-25 | 30-30 | | | | |

Motor selection curves



Selecting a motor

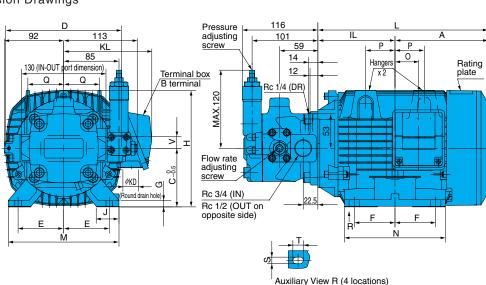
The area under a motor output curve in the graph to the left is the operating range for that motor under the rated output for that motor. Example:

To find the motor that can produce pressure of 3.5MPa and a discharge rate of 25.0 ℓ /min.

Selection Process

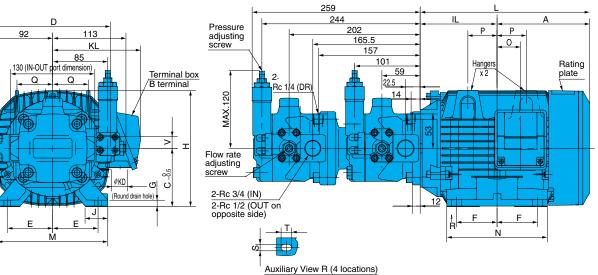
Since the intersection of the two broken lines from a pressure of 3.5MPa and discharge rate of 25.0ℓ /min intersect in the area under the 2.2kW curve, it means that a 2.2kW motor should be used. In the case of a double pump configuration, select a motor that is larger than the total power required by both pumps.

Installation Dimension Drawings UVC-1A



| Uni-pump | | Motor Dimensions mm | | | | | | | | | | | | | | | | Output kW | | | | |
|---------------------|-------|---------------------|-----|-----|------|------|----|-------|----|-------|-----|-----|-------|-------------|-----|------|----|--------------|------|------|-----------|------|
| | А | IL | С | D | E | F | G | Н | J | L | М | Ν | S×T | KD | KL | 0 | Р | Q | V | No. | (4 poles) | kg |
| UVC-1A-A2-0.75-4-26 | 124 | 105 | 80 | 160 | 62.5 | 50 | 10 | 160 | 34 | 229 | 155 | 135 | 10×25 | <i>ф</i> 22 | 126 | 21 | - | - | 16.5 | 80M | 0.75 | 21.5 |
| UVC-1A-A2-1.5-4-26 | 142.5 | | 90 | 178 | 70 | 62.5 | 10 | 179 | 35 | 261 | 170 | | | | 136 | 36.5 | 45 | | 18 | 90L | 1.5 | 25.5 |
| UVC-1A-A3-1.5-4-26 | | 118.5 | | | | | | | | | | 155 | 10×16 | <i>ф</i> 22 | | | | 55 | | | | |
| UVC-1A-2A2-1.5-4-26 | | | | | | | | | | | | | | | | | | | | | | |
| UVC-1A-A2-2.2-4-26 | 160.5 | | | | | 70 | 13 | 197.5 | 45 | 293.5 | 195 | | | <i>ф</i> 22 | 150 | 45.5 | 50 | 55 | 22 | 100L | 2.2 | |
| UVC-1A-A3-2.2-4-26 | | 133 | 100 | 195 | 80 | | | | | | | 175 | 12×25 | | | | | | | | | 29.5 |
| UVC-1A-2A2-2.2-4-26 | | | | | | | | | | | | | | | | | | | | | | |
| UVC-1A-A3-3.7-4-26 | | | | 219 | 95 | | | | 45 | 311 | 224 | 175 | 12×25 | i φ22 | 161 | 53 | | | | | 3.7 | 38.5 |
| UVC-1A-A4-3.7-4-26 | 171 | 140 | 112 | | | 70 | 14 | 221.5 | | | | | | | | | 55 | 66 | 22 | 112M | | |
| UVC-1A-2A2-3.7-4-26 | | 140 | 112 | | | | | | | | | | | | | | 20 | 00 | 22 | | | |
| UVC-1A-2A3-3.7-4-26 | | | | | | | | | | | | | | | | | | | | | | |

UVC-11A



| Uni-pump | | Motor Dimensions mm | | | | | | | | | | | | | | | | Output k W | | | | |
|--------------------------|-------|---------------------|-----|-----|----|------|----|-------|----|-------|-----|-----|-------|-----|-----|------|----|---------------|----|-------|-----------|----|
| | Α | IL | С | D | Е | F | G | Н | J | L | М | Ν | S×T | KD | KL | 0 | Р | Q | V | No. (| (4 poles) | kg |
| UVC-11A-A2-A2-1.5-4-26 | 142.5 | | 90 | 178 | | 62.5 | 10 | 179 | 35 | 261 | 170 | 155 | 10×16 | φ22 | 136 | 36.5 | 45 | 55 | 18 | 90L | 1.5 | 36 |
| UVC-11A-A2-A3-1.5-4-26 | | 118.5 | | | 70 | | | | | | | | | | | | | | | | | |
| UVC-11A-A3-A3-1.5-4-26 | | | | | | | | | | | | | | | | | | | | | | |
| UVC-11A-A2-A2-2.2-4-26 | 160.5 | 133 | 100 | 195 | 80 | 70 | 13 | 197.5 | 45 | 293.5 | 195 | 175 | 12×25 | ø22 | 150 | 45.5 | 50 | 55 | 22 | 100L | 2.2 | |
| UVC-11A-A2-A3-2.2-4-26 | | | | | | | | | | | | | | | | | | | | | | 40 |
| UVC-11A-A3-A3-2.2-4-26 | | | | | | | | | | | | | | | | | | | | | | |
| UVC-11A-2A2-2A2-2.2-4-26 | | | | | | | | | | | | | | | | | | | | | | |
| UVC-11A-A2-A2-3.7-4-26 | | | | | | | | 221.5 | 45 | 311 | 224 | 175 | 12×25 | ø22 | 161 | 53 | 55 | 66 | 22 | | | 49 |
| UVC-11A-A2-A3-3.7-4-26 | 1 | 140 | 112 | 219 | 95 | 70 | 14 | | | | | | | | | | | | | | 3.7 | |
| UVC-11A-A3-A3-3.7-4-26 | 171 | | | | | | | | | | | | | | | | | | | 112M | | |
| UVC-11A-2A2-2A2-3.7-4-26 | | | | | | | | | | | | | | | | | | | | | | |
| UVC-11A-2A2-2A3-3.7-4-26 | 1 | | | | | | | | | | | | | | | | | | | | | |