



Compact Hydraulic Unit 35HU201 Series

A compact hydraulic unit with a rated pressure of 3.5 MPa and a discharge rate of 1.3 ℓ / min (60 Hz).

- Uses an inscribed gear pump with a special tooth profile. Furthermore, the pulsating operation noise is reduced by the hydraulic operation method.
- Equipped with solenoid valve, relief valve and pressure gauge as standard equipment.
- Standardized pilot check valve and flow control valve.

Specification

Hydraulic unit specifications

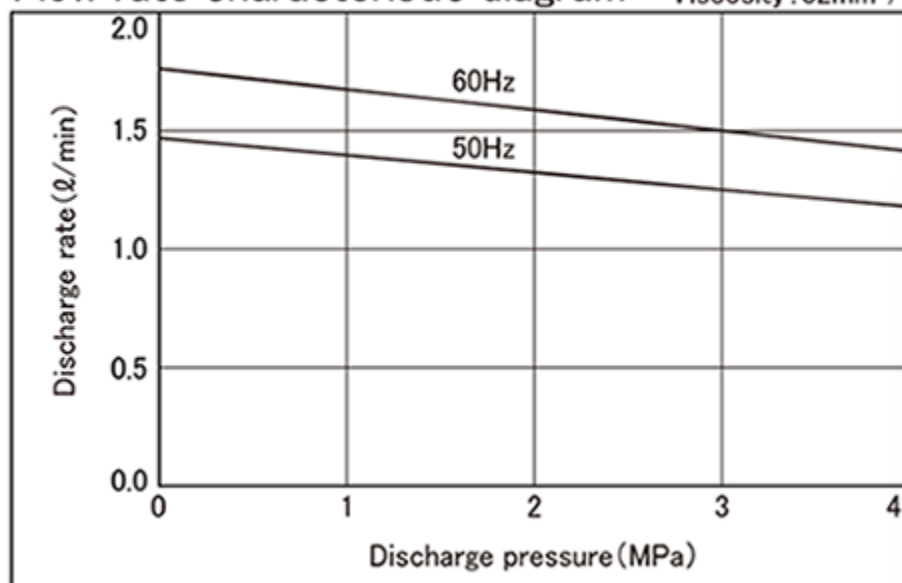
Item \ Model		35HU201-31
Rated pressure		3.5MPa
Pump output flow rate	50Hz	1.1 ℓ /min
	60Hz	1.3 ℓ /min
Electric motor	Voltage	Single phase AC100V 50/60Hz
	Starting current	50Hz : 7.3A 60Hz : 7.0A
	Current value	50Hz : 3.1A 60Hz : 2.8A
	Output	130W
	Rated time	Continue
	Insulation type	E grade
Working temperature range		+15 to +60°C
Tank capacity		5.6ℓ(Effective oil amount 3.0ℓ)
Adaptable fluid		JIS K2213-2 class (Equivalent to turbine oil ISO VG32)
Number of valves		1 to 3
Related equipment		Pilot check valve. Flow control valve. Oil cooler
Weight		12 to 15kg (Does not contain hydraulic oil)

* When the set pressure is 3.5MPa

<Important point>

If the oil temperature exceeds 60°C, an oil cooler is required. (When the ambient temperature is 20°C, and the relief set pressure is 3.5MPa, it corresponds to continuous operation for 90 minutes or more.) Please contact us separately.

Flow rate characteristic diagram Viscosity: 32mm²/s




Solenoid valve specifications

Rated voltage	AC100V50/60Hz	AC200V50/60Hz	DC24V
Starting current	0.12A	0.06A	0.5A
Holding current	0.12A	0.06A	0.5A
Allowable voltage range	Rated voltage $\pm 10\%$		
Power consumption	50Hz: 11W 60Hz: 13W		12W
Rated flow	2.5l/min		
Type	CA412-1S※	CA41C-1S※	CA41R-1S※
	CA41T-1S※	CA41H-1S※	


For more information, see Solenoid Valve CA Series.

Flow control valve specifications

Model	HFC201
Rated pressure	5MPa
Rated flow	2.5ℓ/min
Cracking pressure	0.04MPa
Adaptable fluid	JIS K2213-2 class (Equivalent to turbine oil ISO VG32)
Mounting method	Stack method (Sandwich type)
Type	<p>HFC201</p> 

For more information, see Flow Control Valve HFC2 Series.

Pilot check valve specifications

Model	HPC101
Max. operating pressure	5MPa
Rated flow	2.5 ℓ/min
Cracking pressure	0.04MPa
Pilot pressure	$0.26 \times \text{Load pressure} + 0.01\text{MPa}$
Adaptable fluid	JIS K2213-2 class (Equivalent to turbine oil ISO VG32)
Mounting method	Stack method (Sandwich type)
Type	<p>HPC101-A HPC101-B HPC101-D</p> 
Compatible solenoid valve	CA41H-1S※, CA41R-1S※

For more information, see Pilot Check Valve HPC1 Series.

How to Order

When ordering, please contact us using the model code below.

Displays the model code of the hydraulic unit along with the unit and valve type.

[Display example]

