

Model: UP-153

• 1.5kW

• Standard Tank Oil : 24 Litres

ELECTRIC HYDRAULIC PUMP UP-73/UP-153/UP-223 (0.75kW) (1.5kW) (2.2kW)

Model : UP-73 • Standard Tank Oil : 24 Litres • 0.75kW Model : UP-223 • Standard Tank Oil : 24 Litres • 2.2kW

Industrial

- Power supply is three phase (from 200V).
- Various valves and accessories can be stacked for many applications.

WITT

- Caster can be installed as option.
- Structure is very simple because there is no piping in the pump body.
- When continuous operation, please use oil cooler (on request) to prevent oil temperature rise.
- Pump parts Assy are available on request.

	Motor (50/60Hz)				Pump (50/60Hz)		Oil				
Model	Insulation class	kW Voltage		Amps RPM	Output flow rate (L / m)		Tank size	Effectiv			
		NVV	voitage	Апрэ		High 70 MPa	Low 7.0 MPa	(Litre)	(Litre)		
UP-73		0.75	0.75	3.8/3.4	20/21	20/2/	1,440/1,730	0.45/0.54	4.5/5.4	Standard 24	17
0-13	TEFC	0.75		3.0/3.4	1,440/1,730	0.45/0.54	4.5/5.4	Small 12	6		
UP-153	(Totally Enclosed	1.5	200 / 220	6.8/6.4	1,445/1,740	0.9/1.1	8.4/10	Standard 24	17		
06-133	Fan Cooled)	1.5	Three-phase	0.6/0.4	1,445/1,740	0.9/1.1	0.3/1.1	8.4/10	Small 12	6	
UP-223	E-type	2.2		10.6/9.4	1,460/1,755	1.45/1.75	75 11/10	Standard 24	17		
08-223		2.2		10.0/9.4	1,400/1,755	1.40/1.75	11/13	Small 12	6		

Nittoh Zohki Co.,Ltd.

UP-73HS-0 (0.75kW) Weight (Incl.oil) 67kg UP-153HS-0 (1.5kW) Weight (Incl.oil) 78kg UP-223HS-0 (2.2kW) Weight (Incl.oil) 83kg

Valve type	Without valve type
Switch	Pressure Switch
Accesaries	Pressure Gauge Ø60

With P.T manifold There is no valve

UP-73HS-1 (0.75kW) Weight (Incl.oil) 70kg UP-153HS-1 (1.5kW) Weight (Incl.oil) 83kg UP-223HS-1 (2.2kW) Weight (Incl.oil) 87kg

Valve type	Manual 2 position Holding type		
Switch	Pressure Switch		
Accesaries	Pressure Gauge Ø60		

Advance

When the manual valve lever is set to the right, and press ON of the pendant switch, the motor rotates, and the cylinder advances. When ON switch is released, the cylinder can be stopped and hold on advance.

Retraction

When the manual valve lever is set to the left ,the cylinder returns. There is no OFF button.

UP-73HS-4 (0.75kW) Weight (Incl.oil) 70kg	Valve type	Solenoid 2 position Holding type
UP-153HS-4 (1.5kW) Weight (Incl.oil) 83kg	Switch Accesaries	Pressure Switch Pressure Gauge Ø60
UP-223HS-4 (2.2kW) Weight (Incl.oil) 91kg		

Advance

When ON switch is pressed, then the motor starts as well as a cylinder extends. When ON switch is released, the cylinder can be stopped and hold on advance.

Retraction

When OFF switch is pressed, then the cylinder starts to retract. When OFF switch is released, the cylinder can be stopped on retraction.

UP-73HS-2 (0.75kW)	Weight (Incl.oil) 70kg	Valve type	Solenoid 2 position
UP-153HS-2 (1.5kW)		Curitale	Pressure Switch Pressure Gauge Ø60
UP-223HS-2 (2.2kW)	Weight (Incl.oil) 91kg		

Advance

When ON switch is pressed, then the motor starts as well as a cylinder extends.

Retraction

When ON switch is relased, the cylinder automatically retracts at once. The cylinder cannot be stopped on retraction. There is no "OFF" button.

UP-73HS-7 (0.75kW) Weight (Incl.oil) 67kg	Valve type	Without valve type
	Switch	Pressure Switch
UP-153HS-7 (1.5kW) Weight (Incl.oil) 78kg	Accesaries	Pressure Gauge Ø60
UP-223HS-7 (2.2kW) Weight (Incl.oil) 83kg		

Advance

When the manual valve lever is set to the left (A), and press ON of the pendant switch, the motor rotates, and the cylinder advances. When ON switch is released, the cylinder can be stopped and hold on advance.

Retraction

When the manual valve lever is set to the right (B), and press ON of the pendant switch, the motor rotates, and the cylinder retracts. When ON switch is released, the cylinder can be stopped and hold on retraction.

UP-73HS-8SP /	8WP	(0.75kW)	Weight (Incl.oil)	70kg
UP-153HS-8SP	/ 8W	P (1.5kW)	Weight (Incl.oil)	83kg
UP-223HS-8SP	/ 8W	P (2.2kW)	Weight (Incl.oil)	87kg

Valve type	Manual 2 position Holding type			
Switch	Pressure Switch			
Accesaries	Pressure Gauge Ø60			

Advance

When A switch is pressed, then the motor starts as well as a cylinder extends. When ON switch is released, the cylinder can be stopped and hold on advance.

Retraction

When B switch is pressed, then the cylinder starts to retract. When B switch is released, the cylinder can be stopped on retraction.

• 8SP model : Can be hold on A port

 \cdot 8WP model : Can be hold on A & B port

UP-73HS-8A (0.75kW) Weight(Incl.oil) 70kg	Valve type	Solenoid 2 position Holding type
	Switch	Prossuro Switch
UP-153HS-8A(1.5kW) Weight(Incl.oil) 83kg	Accesaries	Pressure Gauge Ø60
UP-223HS-8A(2.2kW) Weight(Incl.oil) 91kg		

Advance

When A switch is pressed, then the motor starts. When A switch is released, the cylinder can be stopped but not hold on advance. (For hold type, 8SP is reccomended)

Retraction

When B switch is pressed, then the motor starts as well as a cylinder extends. When B switch is released, the cylinder can be stopped but not hold on retraction.

UP-73HS-8R (0.75kW) Weight(Incl.oil) 70kg		Solenoid 4way 3 position Adjustable pressure relief valve
UP-153HS-8R (1.5kW) Weight (Incl.oil) 83kg	Switch	Pressure Switch
		Pressure Gauge Ø60
UP-223HS-8R(2.2kW) Weight(Incl.oil) 91kg		

Advance

When A switch is pressed, then the motor starts. When A switch is released, the cylinder can be stopped. (NOT hold pressure)

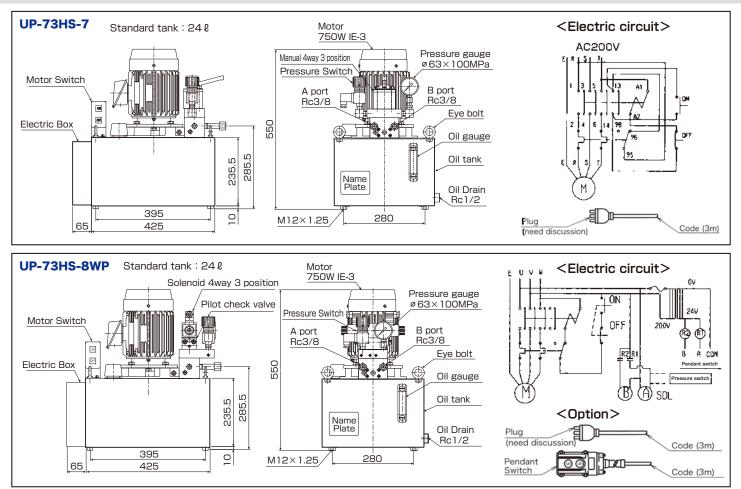
Retraction

When B switch is pressed, then the cylinder starts to retract. When B switch is released, the cylinder can be stopped on retraction.(NOT hold pressure)

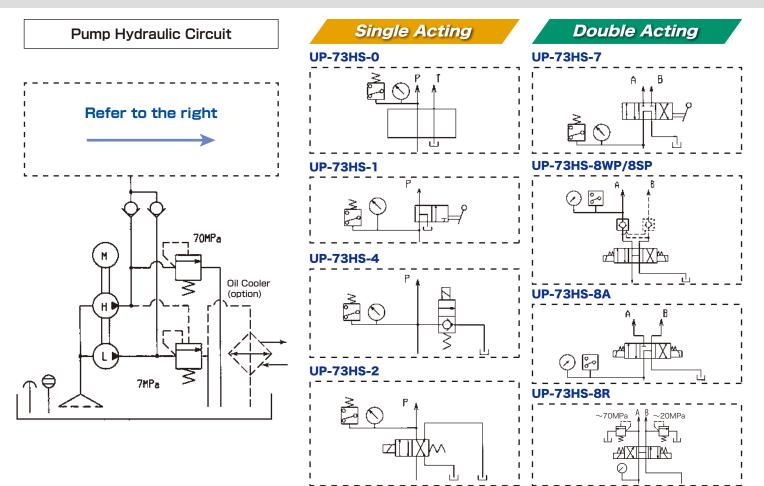
*By additional pilot check valve, pressure can be hold. (on request)

UP-73series (0.75kW)

<Outline drawing>(mm)

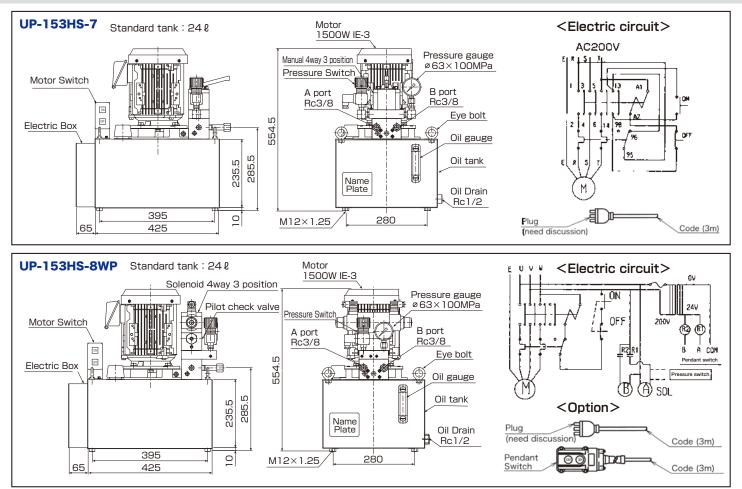


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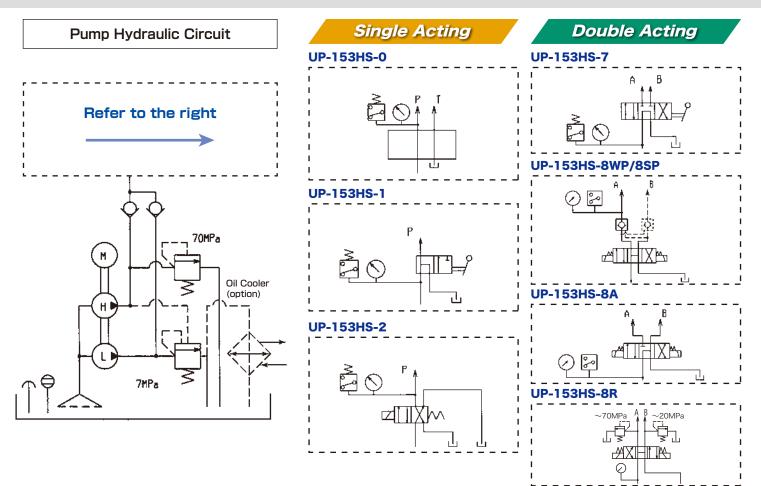


UP-153series (1.5kW)

<Outline drawing>(mm)

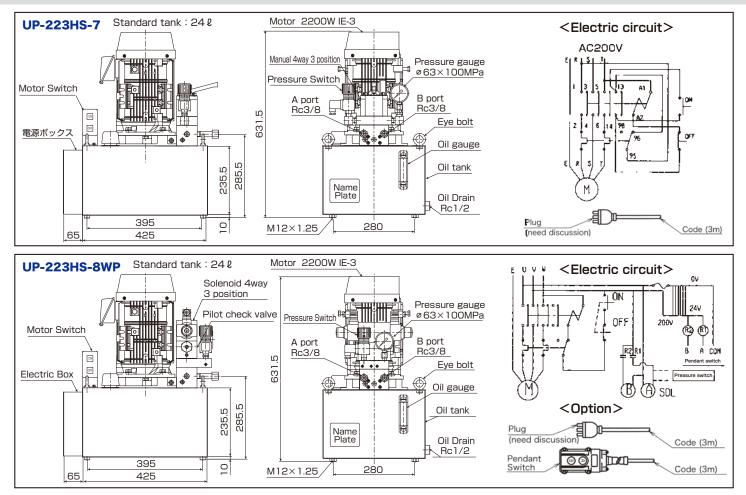


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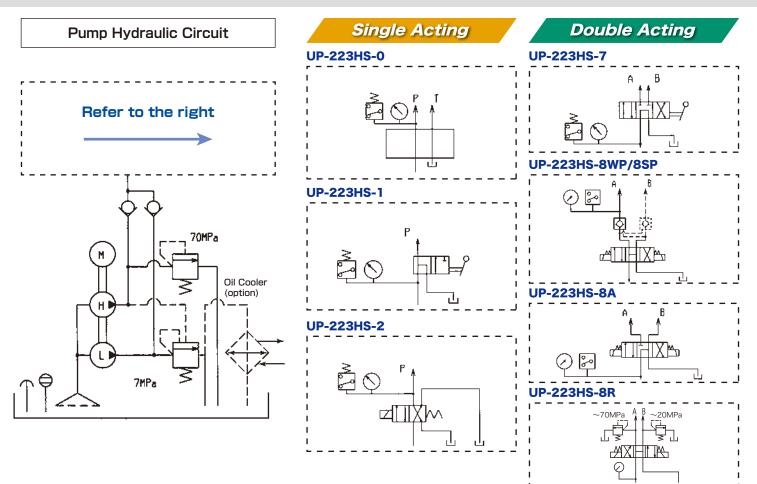


UP-223series (2.2kW)

<Outline drawing>(mm)



<Hydraulic circuit>



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