

# Double Acting Hydraulic Power Unit

## General Description

Product: Double Acting Hydraulic Power Unit

Reservoir Capacity: Steel 0.92 to 3.70Gal

Motor: 24V DC 2KW

Flow:0.99 to 1.78 GPM

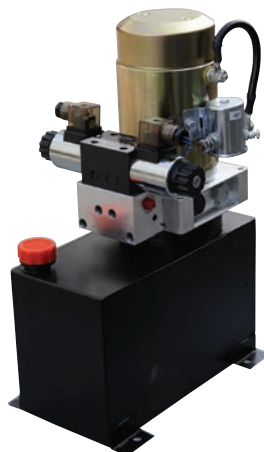
Valve: Cartridge valve

System Pressure: 2900PSI

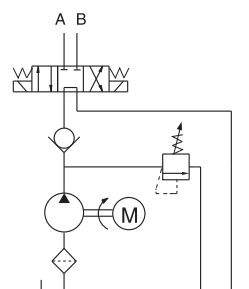
Oil Port:G1/4 or M14x1.5 A/B

Manufacturer Warranty:1 year Limited

Warranty

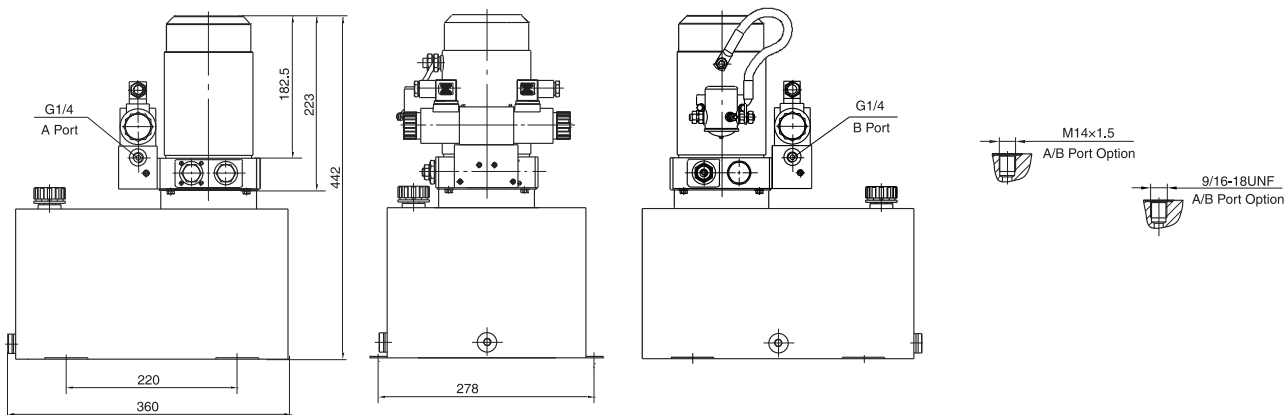


## Hydraulic Circuit Diagram



This power unit is designed solely for tipper trailer by motor power up, power down. Because the double acting hydraulic power unit is a basic neutral open, it is used in driving and controlling a group of double acting cylinders.

## Outline Dimension



## Model Specifications

Model	Motor Volt	Motor Power	Rated Speed	Displacement	System Pressure	Tank Capacity
HPP-4F1.23.5D1203H	12VDC	1.5KW	2500RPM	1.2mL/r	20MPa	3.5L
HPP-4F1.65D1203H				1.6mL/r		5L
HPP-4F2.76D2404H	24VDC	2KW		2.7mL/r		6L
HPP-4F2.514D2404H				2.5mL/r		14L

## Special Notes

1)Due to various types of hydraulic system failure occur more than 80% of the problems are caused by hydraulic oil, so the correct use of hydraulic oil to ensure the system's reliability is very important.The oil viscosity should be 22-46mm<sup>2</sup>/s in accordance with ISO3448 viscosity classification.The hydraulic oil should be filtered by a 10-30um filter before put into use.N46 hydraulic oil is recommended.

2)Clean all the hydraulic parts concerned before mounting mini hydraulic power pack.Check the oil level in the tank after the initial running of small hydraulic power unit.

3)Oil changing is required after the initial 100 operation hours, afterwards once every 3000 hours.We are at your disposal to offer you the power unites with your favorite power,flow,pressure as well as the tank capacity.

4)The electric hydraulic pump is of s3 duty, i.e., 30 seconds on and 270 seconds off.

5)The electric hydraulic pump should be horizontal installation.

6)To achieve thermal equilibrium of the electric motor, we have to assure that the ratio between interval time and operation time of mini hydraulic power pack is 1:9.