BOOSTERS





SINGLE PRESSURE TYPE HPBH

DUAL PRESSURE TYPE

Features

- The booster is an efficient way of generating hight pressure hydraulic fluid.
- Designed to save energy, time, space and money in a wide variety of applications.

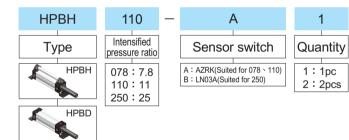
HPBD

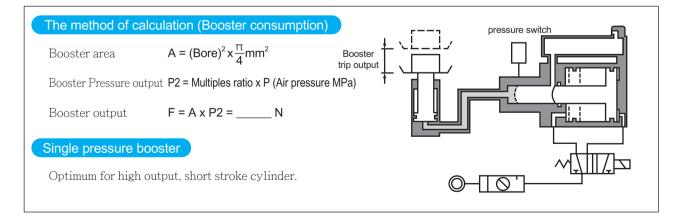
• These abilities and benefits of boosters make them the ideal component in many applications, you can use them for such operation as marking, forming, punching riveting, shearing, stearing, starightening, embossing, welding and testing.

Specification

Туре	Single pressure type			Dual pressure type		
	HPBH078	HPBH110	HPBH250	HPBD078	HPBD110	HPBD250
Intensified pressure ratio	7.8	11	25	7.8	11	25
Generated hydraulic pressure(MPa)	5.3	7.6	17.2	5.3	7.6	17.2
Discharging volume(cc)	50	120	120	50	120	120
Driving fluid	Hydraulic work oil viscosity					
Working pressure range	$2.04 \sim 7.14 \text{ kgf/cm}^2$					
Ambient temperature	+5 ~ +60 °C					
Material of boosters	Aluminium alloy					

How to order

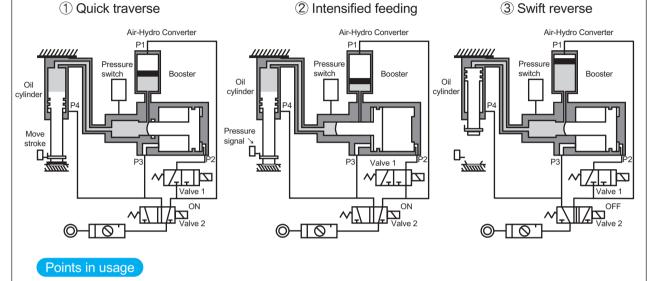






Dual pressure booster

- 1. When the air is charged from the port P1, the oil in the tank will forward the hydraulic cylinder quickly. The pressure is the same as the air pressure, but the inflow of oil is large in volume.
- 2. When the air is charged from the port P2, a ram will advance. The highly pressure fluid will come in to the hydraulic cylinder which will be forwarded by large thrust.
- 3.When the air is send into port P4 and P3. The hydraulic cylinder is swiftly reversed and at the same time ram goes back.



- The booster must be levelled.
- Standard booster are designed for use with petroleum base hydraulic oil.
- The booster must be higher than the work cylinder.
- Frequency of use should be 6 times/min or lower.

Compressed air consumption

Unit:L / min

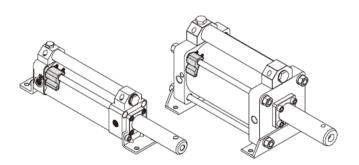
HPB

Pagatar	Air pressure (MPa)						
Booster -	0.2	0.3	0.4	0.5	0.6	0.7	
HPBH078	2.40	3.19	3.98	4.78	5.56	6.36	
HPBD078	2.40	3.19	3.98	4.78	5.56	6.36	
HPBH110	7.58	10.07	12.57	15.07	17.57	20.06	
HPBD110	7.58	10.07	12.57	15.07	17.57	20.06	
HPBH250	18.09	24.06	30.02	35.99	41.95	47.92	
HPBD250	18.09	24.06	30.02	35.99	41.95	47.92	

Booster v	veight	Unit:kg	
Туре	HPBH	HPBD	
078	3.4	3.1	
110	10.1	9.1	
250	34.5	33.5	

Mounting sensor switch

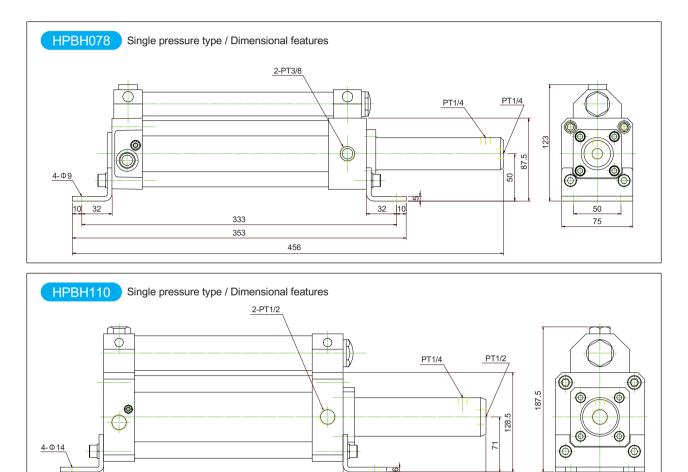
Туре	Sensor switch	
HPBH078 / HPBD078	AZRK	
HPBH110 / HPBD110	AZRK	
HPBH250 / HPBH250	LN03A	

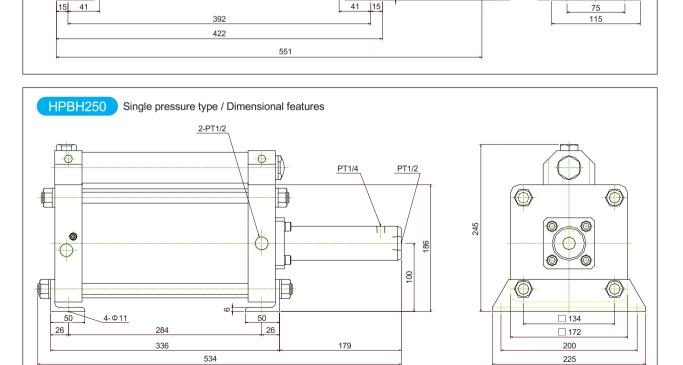


HPB

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HPB

