

## COMPRESSED AIR SYSTEM FOR LASER 30-BAR BOOSTER COMPRESSOR



### MACHINE DESCRIPTION:

- 0.3 Mpa reciprocation air compressor, directly get 30-Bar compressed air
- 300 liters vertical air storage tank integrated
- Plate heat exchange type refrigerant air dryer to get dew point +3°C~+10°C no water in air
- 4 pcs multi-level precision filter filtration
- No dust, No oil, No water for pure air source
- Centralized automatic water drainage system, easy, convenient

## MAIN PARTS:



### Patented Technology for Combination Valve

- 50% oil consumption decrease,
- 15% noise decrease,
- 10% energy decrease,
- 5% displacement increase,
- 500% working life increase

### Integrated Box Structure, USA Technology

- Effectively improve box strength,
- Crankshaft concentricity,
- Verticality of crankshaft and piston rod.
- Improve the stability and durability of equipment.



### High-Pressure Castiron Piston

- Piston ring with monomer casting coating ring
- Prolong 4-5 times service life.

### Double Shaft Seal Design

- Improve the durability of oil seal
- Prevent the leakage of a single oil seal



**Heavy Duty, Long Life, Low Noise Roller Bearing** ▪ 2-5 times capacity than ball bearing.

### All Bearing Connecting Rod

- Prevent bearing shell connecting rod
- Improve 2-6 times reliability and decrease failure rate.



### TECHNICAL SPECIFICATION:

| Model                            | WH-1.2/30            |                          |         |
|----------------------------------|----------------------|--------------------------|---------|
| Specification                    | F.A.D                | 1.2m <sup>3</sup> /min   | 42cfm   |
|                                  | Max Exhaust Pressure | 30 Bar                   | 435 PSI |
|                                  | Speed Rate           | 620r/min                 |         |
|                                  | Cooling Way          | Air cooling              |         |
|                                  | Drive Way            | Belt drive               |         |
|                                  | Dimension (LxWxH)    | 1650x1500x1850mm         |         |
| Motor                            | Power                | 15kW/20HP                |         |
|                                  | Speed Rate           | 1440r/min                |         |
|                                  | Volt./ph./Hz.        | 380V/3ph/50Hz            |         |
|                                  | Isolation Grade      | Grade F, IP54            |         |
| Air Purified Filters             | Num.                 | 4pcs. 4 filtration grade |         |
|                                  | Dust                 | ≤0.01μm                  |         |
|                                  | Oil                  | ≤0.001ppm                |         |
| Plate Type Refrigerant Air Dryer | Air Capacity         | 2.4m <sup>3</sup> /min   | 85cfm   |
|                                  | Max Inlet Pressure   | 30 Bar                   | 435 PSI |
|                                  | Pressure Dew Point   | 3~10°C                   |         |

|           |          |          |
|-----------|----------|----------|
| Air Tank  | Type     | vertical |
|           | Pressure | 30 Bar   |
|           | Capacity | 300L     |
| Brand New | China    |          |