

1077-  
3526  
l/min

11-37  
kW

12-40  
bar



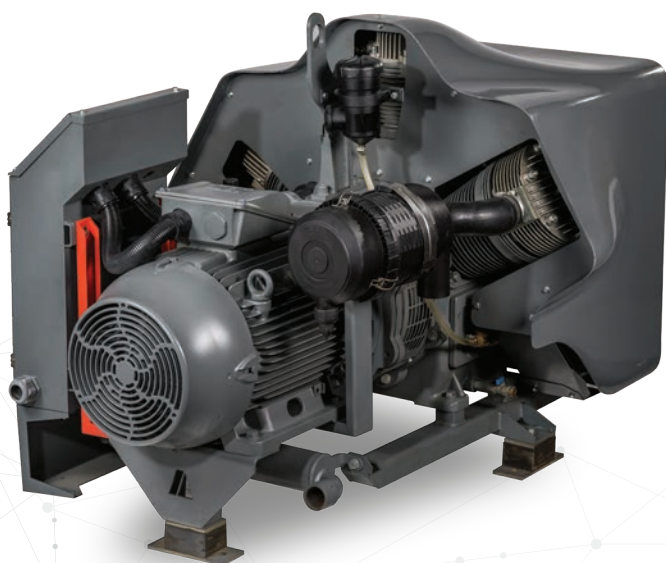
### General Features

- PLC-based control and system monitoring with digital display panel
- High efficiency motor
- Oil trap air filtration system (Optional)
- Direct coupled



### Advantages

- Lightweight and robust composite cabinet provides high-performance cooling, protects the cylinder heads from impacts and prevents the operator from coming into contact with moving and hot components.
- Ease of installation and strong components for longer uptimes and user-friendly operation.
- Safe, low-maintenance operation thanks to integrated flexible coupling



### Compressor Block

- Cast iron cylinder with cooling fins and special aluminium alloy cylinder heads
- High-strength cast iron crankcase
- Dynamically balanced steel crankshaft and counterweight
- Special aluminium alloy pistons and cast steel connecting rods
- Specially designed concentric-type, high-capacity stainless steel suction-discharge valves



## Main Motor and Drive System

- IE3 efficiency-class electric motor
- Direct coupled with elastic coupling
- Star/delta motor starter
- Special loadless start system and automatic discharge system for loadless start
- Soft starter (optional)



## Controller

- Mains voltage and frequency monitoring, protection at certain limits
- Multiple compressor control for up to 8 compressors without the need for an external master compressors
- Internal ModBus communication
- Alarm log records the last 9 alarms



## Cooling System

- 4-stage radiator (3 stages for air, 1 stage for oil cooling)
- Cylinder and cylinder heads with cooling fins
- Cooling fan connected directly to the main motor

| Model  | Working Pressure     |     |                      |     | Piston Displacement |       | Voltage / Frequency | Motor | Connection | Dimensions (mm) |        |        | Weight<br>kg |
|--------|----------------------|-----|----------------------|-----|---------------------|-------|---------------------|-------|------------|-----------------|--------|--------|--------------|
|        | Minimum<br>bar - psi |     | Maximum<br>bar - psi |     | U/min.              | cfm   | V/Hz                | kW/HP |            | Width           | Length | Height |              |
| HW 64  | 12                   | 174 | 40                   | 580 | 1077,3              | 38    | 400/50              | 11/15 | 1"         | 1300            | 1100   | 1030   | 411          |
|        |                      |     |                      |     | 1447,8              | 51,13 | 460/60              | 15/20 |            | 1300            | 1100   | 1030   | 421          |
| HW 108 | 12                   | 174 | 40                   | 580 | 1806,7              | 63,8  | 400/50              | 15/20 | 1"         | 1300            | 1100   | 1030   | 421          |
|        |                      |     |                      |     | 2210,2              | 78    | 460/60              | 22/30 |            | 1580            | 1175   | 1100   | 630          |
| HW 166 | 12                   | 174 | 40                   | 580 | 2767,4              | 97,6  | 400/50              | 30/40 | 1"         | 1580            | 1175   | 1100   | 630          |
|        |                      |     |                      |     | 2797,2              | 98,8  | 460/60              | 30/40 |            | 1640            |        |        | 680          |
| HW 210 | 12                   | 174 | 40                   | 580 | 3526,4              | 124,5 | 400/50              | 37/50 | 1"         | 1640            | 1175   | 1100   | 680          |

- Unit performances measured in reference conditions which are 1 bar absolute air Pressure, 0% relative humidity, 20°C inlet air temperature, 71°C thermostatic valve set temperature and use of Smarcoil.

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