

Used Equipment Facts About This Machine

Manufacturer Information:

- **Manufacturer:** Howden
- **Model:** ExVel HBXrG-20/675-LG0
- **Condition:** Unused
- **Year Built:** 2020
- **Serial #:** NFF00019-10

Manufacturing Data:

Performance Ratings:

- **Maximum Inlet Volume:**
 - 3.18 m³/s
 - 6,738.99 ACFM
- **Maximum Pressure Rise:**
 - 290.96 kPa
 - 42.20 PSI
- **Maximum Inlet Temperature:**
 - 176.7°C (350.1°F)
- **Maximum Outlet Temperature:**
 - 196.0°C (384.8°F)
- **Maximum Impeller Power:**
 - 1,196 kW
 - 1,603.9 HP
- **Nominal Operating Speed:** 5,681 RPM
- **Design Temperature:** 230°C (446°F)
- **Design Pressure:** 1,878 kPa(a) (272.2 PSI)

Control & Monitoring System:

- **Siemens 1500 Series PLC** – Precision process control
- **Bently Nevada 3500 Monitor System** – Advanced vibration monitoring and protection

Description:

The **Howden ExVel Turbo Fan HBXrG-20/675-LG0** is a **high-capacity, high-speed industrial turbo fan**, designed for **extreme performance in high-temperature and high-pressure environments**. With a **maximum impeller power of 1,196 kW (1,603.9 HP)** and a **nominal speed of 5,681 RPM**, this unit is built for **demanding airflow applications** in industries such as **power generation, petrochemical processing, and heavy manufacturing**.

Equipped with a **Siemens 1500 Series PLC** for precision control and a **Bently Nevada 3500 monitoring system**, this fan offers **real-time system diagnostics, vibration protection, and enhanced operational safety**.

Designed for **temperatures up to 230°C (446°F)** and **pressures up to 1,878 kPa (272.2 PSI)**, the Howden ExVel Turbo Fan is **ideal for high-efficiency airflow management in extreme operating conditions**.

Specifications:

- **Max Inlet Volume:** 3.18 m³/s (6,738.99 ACFM)
- **Max Pressure Rise:** 290.96 kPa (42.20 PSI)
- **Temperature Limits:**
 - **Inlet:** 176.7°C (350.1°F)
 - **Outlet:** 196.0°C (384.8°F)
 - **Design Temp:** 230.0°C (446.0°F)
- **Design Pressure:** 1,878 kPa (272.2 PSI)
- **Max Impeller Power:** 1,196 kW (1,603.9 HP)
- **Operating Speed:** 5,681 RPM
- **Control System:** Siemens 1500 Series PLC
- **Monitoring System:** Bently Nevada 3500

Applications:

- Power generation and industrial air handling
- Petrochemical and refining processes
- High-temperature gas circulation and exhaust management
- Industrial ventilation and forced draft systems
- Turbocharging and high-speed gas compression

Potential Uses:

- Waste heat recovery and exhaust gas processing
- Industrial combustion air supply systems
- High-temperature air movement in heavy manufacturing
- Cooling air circulation in high-pressure environments
- Forced draft applications in power plants and refineries

PRODUCT DETAILS

- Unused Howden turbo fan
- High-pressure industrial fan
- Howden ExVel HBXrG-20/675-LG0
- Industrial turbo blower
- High-temperature air handling fan

- Unused Howden ExVel high-speed industrial turbo fan for extreme airflow applications
 - High-pressure turbo blower with Siemens PLC and Bently Nevada monitoring
 - Industrial Howden ExVel turbo fan for power generation and process heating
 - Unused Howden industrial fan for high-pressure and high-temperature environments
 - High-capacity Howden ExVel turbo blower with advanced monitoring system
 - Unused Howden ExVel HBXrG-20/675-LG0 industrial turbo fan with 1,196 kW power capacity
 - High-speed turbo blower for power plants, refining, and industrial gas movement applications
 - Siemens PLC-controlled high-efficiency turbo fan with Bently Nevada 3500 monitoring
 - Unused high-capacity Howden turbo fan for extreme temperature and pressure applications
 - Industrial turbocharged fan for high-pressure airflow in heavy manufacturing and processing
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