



Drill Compressor Kits

High Pressure
Gas Ends

FLOW (cfm)
600-1800

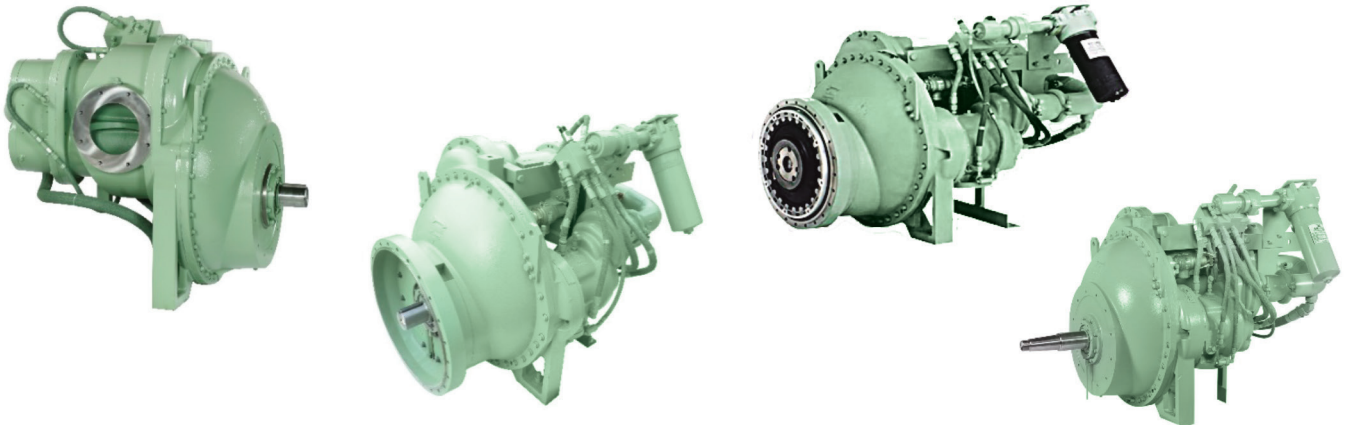
PRESSURE (psig)
350-500

Series-Dual Stage High Pressure

Series	20/12	20/12	20/12	20/12
Flow (CFM)*	600-900	840-1000	1000-1350	1500
Pressure (Psig)*	350	350	350	350
RPM	2100	1800	2100	2100
Wt (lbs.)	2200	2200	2350	2350
Dim - LxWxH (in.)	47x34.8x42	47x34.8x42	47x34.8x42	47x34.8x42

Series	20/12	20/12	20/12	20/12
Flow (CFM)*	750-900	1150-1350	1500	1800
Pressure (Psig)*	500	500	500	350
RPM	2100	1800/2100	2100	2100
Wt (lbs.)	2350	2350	2350	2350
Dim - LxWxH (in.)	47x34.8x42	47x34.8x42	47x34.8x42	47x34.8x42

* Operating Capability



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Features

Rotors

Precision ground asymmetric profile delivers an optimal combination of capacity and power. Rotor speed range: 15 m/s to 50 m/s on male rotor tip.

Discharge

Several built-in volume ratios offer a range of pressure ratios meeting specific application requirements.

Gears

AGMA Class 11 Gears allow for a variety of internal gear ratios contributing to design optimization and operation economy.

Casing

Heavy duty double-wall cast iron casing provide for structural rigidity, pressure integrity and low noise.

Drive Adaptor

Available drive adaptors (flywheel adaptors or base mounted) offer a convenient means to match up the air end with the drive unit.

Shaft

The steel input shaft can be easily adapted/coupled to the driver with a variety of methods: keyed fit, mechanical locking or shrink-fit coupling hub. Drivers used include natural gas and diesel engines; 1800 rpm, 2100 rpm motors; and variable speed drives.

Bearings

The anti-friction bearings are manufactured from all-steel (no plastic or "yellow metal" cages) construction for superior durability. Tapered roller bearings absorb thrust and radial loads; while straight roller bearings handle opposite end radial loads both contributing to the optimal performance of the rotors, even in the harshest of conditions.

Capacity Controls Options

Capacity controls are an option offered on several models. These controls allow gases that have been only slightly compressed to bypass back into the suction head. Capacity can be manually adjusted or automatically controlled based on pressure signal.

Warranty

Sullair Drill Compressor air ends are warranted for two years against defects in materials and workmanship.

Drill Kit Components:

Typical Compressor Assembly and Loose Parts

- Inlet control valve (Poppet or Butterfly valve assembly)
- Fluid filter
- Oil stop valve
- Housing drive adapter SAE FLYWHEEL ADAPTER OR NO ADAPTER.
- Coupling assembly
- High temperature shut down switch
- Discharge check valve if required

Typical Inlet Filter Assembly

- Inlet filter (filter only shipped loose)

Typical Receiver Tank Assembly

- Separator element
- Separator fluid return line w/sight glass
- Minimum pressure check valve
- Fluid thermal valve
- Pressure relief valve
- Running blowdown valve & shut down blowdown valve
- Coalescing control line filter

Typical Control System

- Regulator panel assembly (350 & 500 PSI)
- Loose regulators (low pressure)