



**V210-UT 210 CFM @ 100 PSIG
UTILITY DIESEL ROTARY SCREW
AIR COMPRESSOR
BID SPECIFICATION
REVISED: September 5, 2024**

- Type:** Vanair® V210-UT 210 CFM rotary screw air compressor. New and in current production.
- Capacity:** 210 CFM free air at up to 100 PSIG
- Compressor:** Single stage, oil flooded rotary screw air compressor
- Input Speed:** Air compressor shall produce up to 210 CFM at 2500 input speed.
- Engine:** Four-cylinder diesel engine, John Deere® model 4045T1530, B (Tier 4 Final), 74 HP, with PTO auxiliary SAE A drive capable of up to 25 HP.*
- *The compressor must be in START/UNLOAD to allow power to be available for PTO. You cannot run the compressor and PTO at the same time
- Battery:** 12V electric start
- Fuel Capacity:** 35 gallons
- Performance Chart:**
- | Model | Capacity (CFM) | Air (PSI) | Full Load (RPM) | Idle Speed (RPM) |
|---------|----------------|-----------|-----------------|------------------|
| V210-UT | 210 | 100/150 | 2500 | 1600 |
- *CFM rating at 100 PSIG. Air delivery at 150 PSIG will be 3-4% less.
- Compressor Drive:** Air compressor and the engine shall be connected through an elastomeric drive coupling.
- Weight:** Serviced weight (Lbs.): 2900
- Dimensions:** 80L x 35W x 57.36H (In.)
- Air Intake Filter:** Separate two-stage, heavy duty, dry-type air filter shall be provided for air compressor.
- Air/Fluid Separator:** Separator element to be located internally in air receiver tank. Vanair® separator shall provide for enhanced air quality, reduced operating and maintenance costs and optimized compressor performance.
- Instrument Panel:** The instrument panel contains all the necessary controls and instrumentation for operation. It is conveniently located and enclosed by a lockable, hinged door. The electronic controller monitors all critical compressor and engine parameters provide warning and shutdown information and has a complete engine diagnostic capabilities. Parameters monitored include engine speed, compressor temperature, engine oil pressure, engine temperature, battery voltage, and fuel level. Compressor pressure gauge is provided. Multiple language options are available including English, Spanish, French, Italian, and German.
- Speed Control:** Electronic speed control for sensing air demand to reduce horsepower and fuel consumption.

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Protective Circuit	The compressor electrical system is a 12V negative ground system with a protective circuit. Warnings appear when the temperature reaches 245°F and for low fuel at approximately 5% or 1/16 of the fuel tank. Electronically controlled engine software monitors engine parameters. If the parameters exceed the normal operating threshold, the engine software will derate the power output by 35%. Engine shutdown occurs if derating does not correct parameter(s).
Cooling System:	Compressor cooling system shall allow rated air delivery and pressure operation between 20° F to +125 ambient temperature ranges.
Inlet Controls:	Pneumatic inlet control valve shall be integrated into the compressor system and automatically modulate output from 0 to 100% in response to air demand.
Mainframe and Enclosure:	Fully powder-coated mainframe and sheet metal enclosure.
Warranty:	The air end is warranted for life with adherence to the prescribed maintenance schedule. This warranty does not cover damage caused by accident, misuse, or negligence. If the compressor unit is disassembled, the warranty is void. All other parts, including the compressor unit shaft seal, are warranted for 12 months, subject to the same conditions mentioned above.
Service Centers:	The air compressor manufacturer must have factory authorized service centers located in each state of the United States of America and Canadian provinces.
Options:	Heaters OSHA Valves Hose Reels Aftercooler Auxiliary Fuel Supply Kit SAE B Pad (must be specified at time of order)