



**V185-UT 185 CFM @ 100 PSIG  
UTILITY DIESEL ROTARY SCREW  
AIR COMPRESSOR  
BID SPECIFICATION  
REVISED: July 12, 2022**

**Type:** Vanair® V185-UT 185 CFM rotary screw air compressor. New and in current production.

**Capacity:** 185 CFM free air at up to 100 PSIG

**Compressor:** The compressor package is utility mounted enclosed in a galvanized weather-resistant acoustical enclosure.

**Input Speed:** Air compressor shall produce up to 185 CFM at 2400 input speed.

**Engine:** Four-cylinder diesel engine, ISUZU® model 4LE2T (Tier 4 Final), 49 HP.

**Battery:** 12V electric start

**Fuel Capacity:** 30 gallons

**Performance Chart:**

Model	Capacity (CFM)	Air (PSI)	Full Load (RPM)	Idle Speed (RPM)
V185-UT	185	100	2400	1600

**Compressor Drive:** Air compressor and the engine shall be connected through a non-lubricated spline coupling.

**Weight:** Serviced weight (Lbs.): 2340

**Dimensions:** 80.0L x 35.0W x 57.360H (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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<b>Protective Circuit</b>	The compressor electrical system is a 12-volt 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).
<b>Cooling System:</b>	Compressor cooling system shall allow rated air delivery and pressure operation between 20°F to +125 ambient temperature ranges.
<b>Inlet Controls:</b>	Pneumatic inlet control valve shall be integrated into the compressor system and automatically modulate output from 0 to 100% in response to air demand.
<b>Mainframe and Enclosure:</b>	Fully powder-coated mainframe and sheet metal enclosure.
<b>Warranty:</b>	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.
<b>Service Centers:</b>	The air compressor manufacturer must have factory authorized service centers located in each state of the United States of America and Canadian provinces.
<b>Options:</b>	Heaters OSHA Valves Hose Reels Aftercooler