



## VMAC PREDATAIR40: Bid Specifications

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### Compressor:

The air compressor must be 100% duty cycle and provide 40 CFM at 100 psi. A high temperature cut off sensor must be integrated on the compressor unit. The compressor must be equipped with a low profile integrated air inlet control. The compressor is to be direct driven from the hydraulic motor without the use of a belt.

### Air Receiver Tank:

The air receiver tank must act as an oil/air separator. Material must be of high-grade aluminum material and contain an integrated coalescing oil separator element. It must have a lubricant sight glass no smaller than 1.23" in diameter. Must contain a 200 psi high pressure relief valve. It must have a replaceable spin on 25-micron oil filter with safety bypass feature. It must contain a 25 seconds or less integral pneumatically piloted blow down valve and an integral one-way checkvalve.

### Heat Exchanger:

Must be the air-to-liquid type with a 16" 12 volt electric fan. The fan will cycle on/off to meet cooling demands of the compressor. The exchanger core must be dual core to cool compressor and hydraulic oil. The cooler must have a bypass check valve.

### Controller:

The compressor will be controlled with a digital control box and have a remote mounted LCD display. Compressor over-temperature shutdown, too-cold start, failed temperature probe, fan control, high idle activation and error message display will all be controlled. The controller will also provide for soft-start, unload and standby functions.

### Package:

The overall package size must be no greater than 16.25" x 24" x 18". Total dry weight must not exceed 155lbs. The sheet metal enclosure is to be 12 gauge for the base material and 16 gauge for the sides and top cover. All sheet metal is to be powder coated.

### Note:

System includes installation/owners manual. The rest of the hydraulic system is to be designed and completed by the installer. VMAC will provide specifications for the compressor's hydraulic needs but is not responsible for other hydraulic components.

