

VMAC UNDERHOOD VR70 - Bid Specification

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Compressor Air End:



The air compressor must be installed on the truck engine and must have 100% duty cycle. Compressor to provide 70 CFM and 175 psi. Copy of the certification record. A high temperature cut off switch must be integrated on the compressor unit. Low profile integrated air inlet control valve to feature oil fill port, air pressure regulator and dry type paper air filter. The compressor air end dimension to be no larger than 6" x 7" x 11-1/2" in size. It must use multi-groove drive clutch with a serpentine belt. Air compressor to weigh no more than 46 lbs including the air inlet valve.

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 1/2" 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 an 8 seconds or less integral pneumatically piloted blow down valve. The tank dimension must be no larger than 6" dia. X 31" long and the weight must be no greater than 18 lbs.

Heat Exchanger:

Must be the liquid-to-liquid type. The overall dimensions should be no greater than 4" x 3-3/4" x 9" in size and the weight must be no greater than 17 lbs without fluid.

Throttle Control:

Throttle control must be an infinitely variable speed control and must automatically modulate engine RPM to match the air demand. It must have a vehicle Drive Disable Circuit (DDC) if equipped with automatic transmission and a park brake safety shut off switch.

Note:

System must include all compressor mounting bracket, accessory brackets, all applicable belts, fasteners, compressor oil, hoses and installation/owners manuals.