



VMAC UNDERHOOD40 – Bid Specifications

These specifications are for bid purposes only and are provided by VMAC.
All specifications are subject to change without notice.

Compressor Air End:

The air compressor must be installed on the vehicle engine and must have 100% duty cycle. Compressor must provide up to 40 CFM and 150 PSI. A high temperature cut off switch must be integrated on the compressor. The compressor air end dimensions are to be no larger than 6.3" W x 4.2" H x 7.3" L in size. A multi-groove drive clutch will be used with a poly-v FEAD belt. The air compressor will weigh no more than 15 lbs including the air inlet valve.

Air Oil Separator Tank/Cooler:

The air oil separator tank/cooler must act as an oil/air separator and air/oil cooler. Material must be of high-grade aluminum and contain an integrated coalescing oil separator element. It must have a lubricant sight glass no smaller than 1 1/2" in diameter. It must have a replaceable spin on 25-micron oil filter with safety bypass feature. It must contain an integral pneumatically piloted blow down valve. The tank dimension must be no larger than 8" W x 17.5" H x 19.75" L and the weight must be no greater than 35 lbs.

Throttle Control:

Throttle control must be adjustable and have two speed operation (base and elevated idle) and must automatically modulate engine RPM depending on air usage.

Safety Features:

Safety features must include a compressor thermal protection circuit, and automatic rapid blow-down valve on the tank, a 200 PSI pressure relief valve, an electric clutch, and parking brake must be engaged and vehicle in park for system to start.

Note:

System must include compressor mounting bracket, accessory brackets, all applicable belts, fasteners, compressor oil, hoses, installation manual and owner's manual.

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