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PREDATAIR™ Questions and Answers

Q - Is the PREDATAIR™ my simplest option to get high performance compressed air delivery?

A - If a VMAC UNDERHOOD belt-driven compressor system does not apply and the truck is equipped with hydraulics, then the PREDATAIR™ is an excellent choice.

Q - How complete is a PREDATAIR™ as a ready to run product?

A - VMAC supplies a self contained, self-cooled compressor unit, which has a hydraulic motor inside it. The PREDATAIR™ requires hydraulic power from a separate system typically powered from a PTO at the transmission and that includes a hydraulic oil reservoir. An air supply line is also required.

Q - What tools will the PREDATAIR™ typically run?

A - Impact wrenches **up to 1 ¼"**, medium size jack hammers –as well as some efficient 90 lb. hammers, chippers, air spades, etc.

Q - How much hydraulic power is needed to run the PREDATAIR™ ?

A – Flow range is 14 to 20 GPM at 2,100 psi. The pressure relief is set at 2,650 psi so the hydraulic PTO pump needs to be able to withstand that potential back pressure.

Q – Do all trucks have a PTO port ready to take a PTO?

A – No, not necessarily, it may need to be specified when the truck is ordered.

Q - What is the install time for PREDATAIR™ ?

A – VMAC provides an installation guide for installers. Times range depending on other details that may be associated with the work required. The PREDATAIR™ itself involves only 2 hydraulic lines and 3 wires to connect. The air supply line (not supplied) also needs connecting.

Q - Does the PREDATAIR™ add to the thermal load of our hydraulics?

A – No. The cooler built into the PREDATAIR™ cools the compressor oil and the hydraulic oil used by the compressor. Other hydraulic equipment in the circuit may require additional cooling.



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PREDATAIR™ Questions and Answers (cont'd)

Q - Does the PREDATAIR™ require an air receiver tank?

A – No, but a tank is recommended to improve the running characteristics by decreasing cycling and improving fuel efficiency. The tank size required depends on applications and space availability.

Q - Does the PREDATAIR™ include a FRL and is it necessary?

A – A Filter, Regulator, Lubricator is not included; however, it is recommended that every system includes at least a Regulator mounted before the air supply line. VMAC does offer an excellent 3/4" FRL that matches the specifications of the PREDATAIR.

Q - Does the PREDATAIR™ remove water from the compressed air?

A – No. As with any compressor, unless a moisture removal system is put in the supply line, the resulting air supplied is at or near saturation. Some applications may be concerned with moisture in air lines. To best remove water from the air stream, a VMAC ELIMINATOR may be required. The ELIMINATOR works by cooling the air about 60 ° f -then through an automatic water dump valve it eliminates the condensate. It does all this with only a 1 psi drop in pressure, since it is optimized for systems up to 70 cfm. A receiver tank is another opportunity for removing excess moisture.

Q – What is the best location to mount a PREDATAIR™ ?

A – On top of a truck body or any location open to free air exchange. If placed in a cabinet the self-contained cooler in the PREDATAIR™ may not be able to keep up to the thermal load and the system may 'overtemp' and shut down.

Q – What applications typically use the PREDATAIR™ ?

A – This product has been installed on Service Trucks, Utility Trucks, Mining Trucks and Equipment, BobCats –Any source of 14 to 20 GPM hydraulic power will work whether it is mobile or stationary.

Q – Where can I learn more about the PREDATAIR™ ?

A – There are in depth answers to all of the above and more at our Website: www.predatair.com, or phone 1-800-738-8622 (1-800-REV-VMAC).



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