

# UNDERHOOD<sup>®</sup> 40

AIR COMPRESSORS

## VAN SERIES WITH ADVANCED DIGITAL CONTROLS



### BENEFITS



#### Free Up To 10 Cubic Feet In Your Cargo Area

UNDERHOOD<sup>®</sup> 40 air compressors free up to 10 cubic feet in the cargo area because the air compressor mounts in the engine compartment. The only space required in the cargo area is 1.7 cubic feet for a combined air/oil cooler and air/oil separator tank.



#### Reduce Vehicle GVW By Up To 290 lb

UNDERHOOD40 air compressors reduce van GVW by as much as 290 lb. Choosing a lightweight air compressor means you'll be able to add more tools and equipment to your van, carry more materials, or take advantage of better fuel economy.



#### Up to 40 CFM, 100% Of The Time

UNDERHOOD40 air compressors use patented rotary screw technology designed to run at 100% duty cycle without stopping, so operators don't have to wait for their air compressor to fill up a large air receiver tank.



#### Eliminate Common Safety Issues

UNDERHOOD40 - Van Series air compressors are the only 40 CFM air compressors specifically engineered to eliminate safety hazards that van operators face, including lifting injuries, toxic fume exposure, and gas fires inside the cargo area.

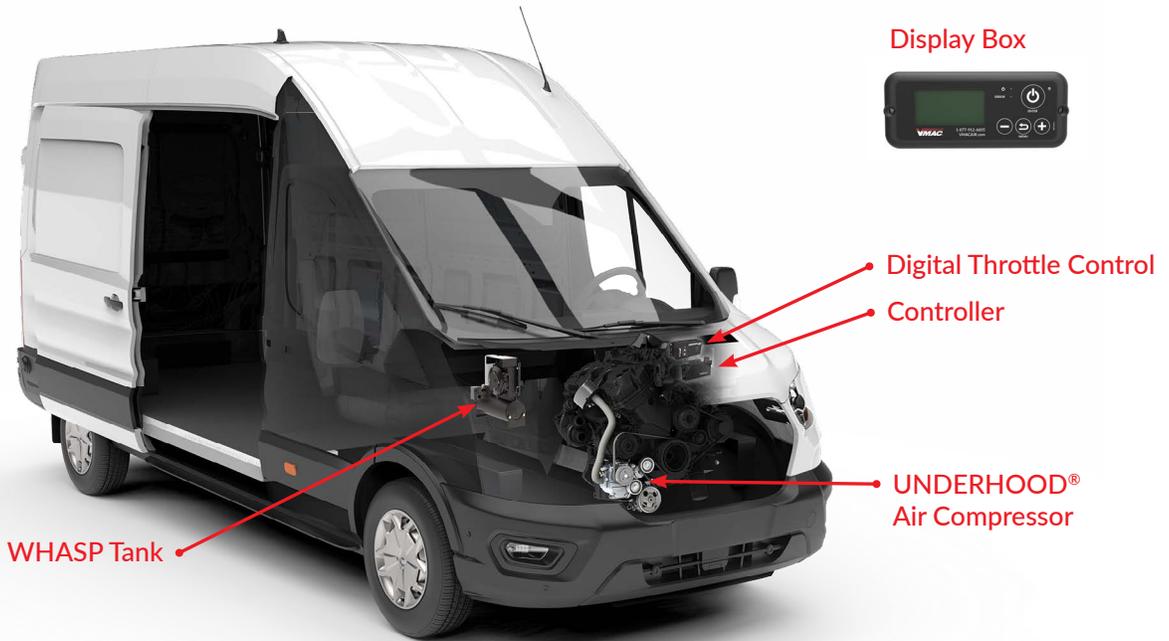


#### Advanced Digital Controls & Telematics\*

The UNDERHOOD40 features VMAC's advanced digital controls, complete with telematics, built-in soft start, safety controls, and enhanced diagnostics. VMAC's advanced digital controls integrate with the vehicle and provide more information about your compressor than ever before, making it easy to monitor the performance of your system and plan maintenance intervals..

*\*Available for most popular 2023+ model year commercial vans; see application list for details.*

## COMPONENTS



## SPECIFICATIONS

<b>Air Compressor Output</b>	Up to 40 CFM @ 100 psi (150 psi max)
<b>Air Compressor Type</b>	Belt-driven, 100% duty cycle, VMAC oil-injected rotary screw
<b>Total System Weight (wet)</b>	Approximately 85 lb (38.5 kg)
<b>WHASP Tank</b>	<ul style="list-style-type: none"> <li>» Combined air/oil cooler, air/oil separator tank</li> <li>» 19.75" (l) x 8.0" (w) x 17.5" (h); 44.5 cm (l) x 20.3 cm (w) x 50.2 cm (h)</li> </ul>
<b>Digital Throttle Control</b>	<ul style="list-style-type: none"> <li>» Two-speed operation</li> <li>» Automatically modulates engine RPM depending on air usage</li> </ul>
<b>Display Box</b>	<ul style="list-style-type: none"> <li>» On/Off function of compressor</li> <li>» OLED displays real-time system information, service notifications &amp; informative diagnostics messages</li> <li>» Interface for adjusting all compressor and throttle control settings</li> </ul>
<b>Control Module (Controller)</b>	<ul style="list-style-type: none"> <li>» Continually monitors sensor health and safety interlocks</li> <li>» Optional telematics provide real-time diagnostics, system use, hours, service intervals, remote start/stop, and error codes through industry standard J1939 interface</li> </ul>
<b>Safety System</b>	<ul style="list-style-type: none"> <li>» Automatic system checks prior to engaging compressor</li> <li>» Compressor temperature, pressure &amp; blowdown sensors</li> <li>» Compressor thermal protection circuit</li> <li>» Open/short circuit real-time diagnostics on sensors</li> <li>» Automatic rapid blow-down valve &amp; 200 psi air pressure relief valve on WHASP tank</li> <li>» Safety interlocks fully integrate into the control system, including transmission park signal and parking brake</li> <li>» Air-to-liquid cooler fan automatically engages when needed</li> </ul>
<b>Air Receiver Tank (required, not included)</b>	Minimum 6-gallon air receiver tank required for best performance
<b>Warranty</b>	Two years on all major components; VMAC air-ends are covered by VMAC's Lifetime Warranty (Limited); for details, visit <a href="http://www.vmacair.com/warranty">www.vmacair.com/warranty</a>

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VMAC Dealer Information