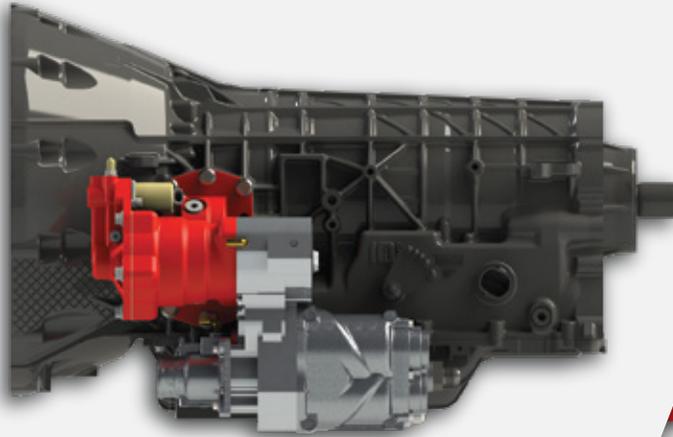




# DIRECT-TRANSMISSION MOUNTED PTO DRIVEN AIR COMPRESSOR

THE WORLD'S ONLY DIRECT-TRANSMISSION MOUNTED PTO DRIVEN AIR COMPRESSOR.



**DTM70**

"We have the DTM70 installed on our service truck and we're very pleased with it. After three years we have approximately 2400 hours on this unit and have experienced zero downtime."

- James Dyer, Fleet Manager,  
Sureway Construction Work,  
Edmonton, AB

## UP TO 70 CFM. 100% OF THE TIME.

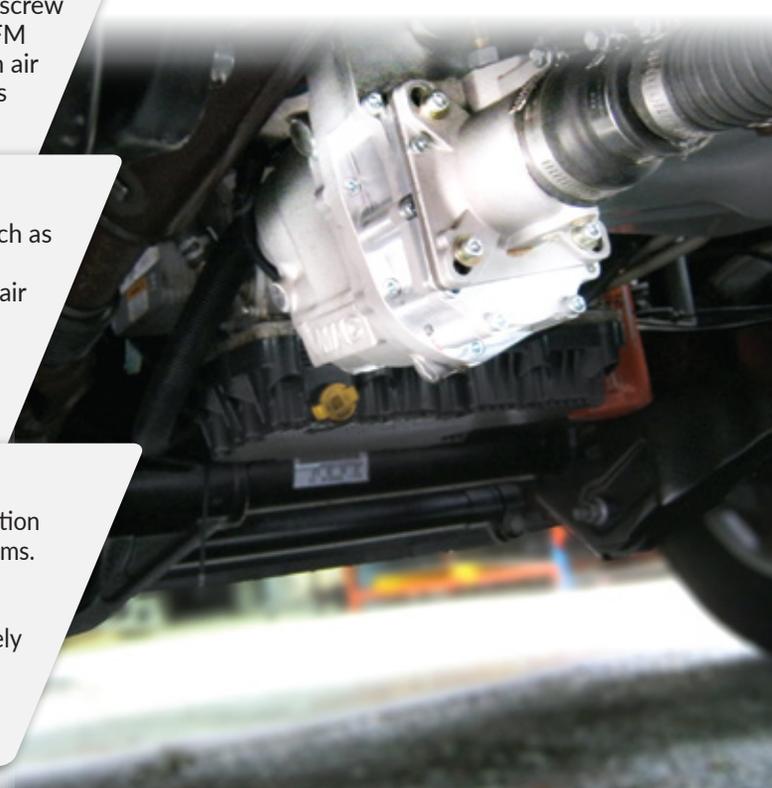
VMAC DTM70 70 CFM air compressors use patented rotary screw technology designed to maintain 100% of the required tool CFM so operators don't have to wait for their air compressor to fill an air receiver tank. This maximizes air tool performance and eliminates downtime.

## DECREASE TRUCK GVW BY UP TO 260 LB

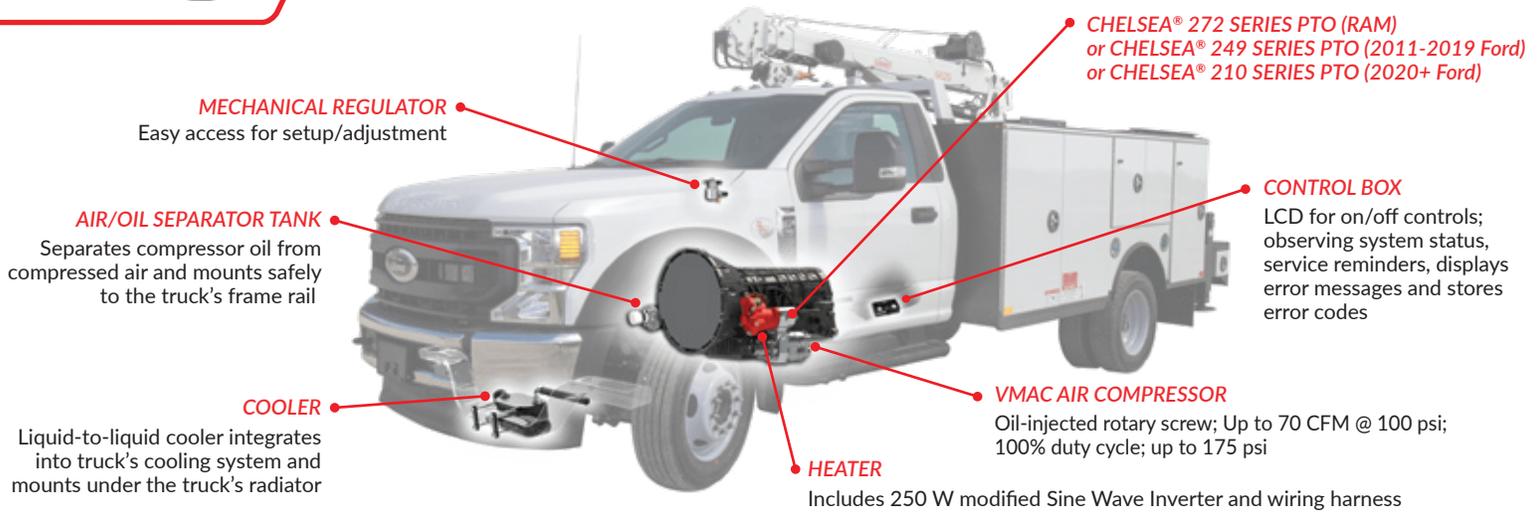
VMAC DTM70 air compressors reduce truck weight by as much as 260 lb. This is because there is no secondary engine to carry around on your truck. And when compared to other under deck air compressors, at only 150 lb the DTM70 weighs a fraction. Choosing a lightweight air compressor means you'll be able to add more tools and equipment to your truck, carry more materials, or take advantage of better fuel economy.

## EASY INSTALLATION

VMAC DTM70 air compressors are easy to install, making installation times up to 50% faster than other under deck air compressor systems. No modifications are required to the RAM or Ford transfer case. No drive shafts are required to cause alignment issues. Traditional under deck air compressors for RAM and Ford Super Duty trucks are extremely heavy, have poor ground clearance, and require additional sourcing of components. VMAC mounting kits are application engineered for RAM and Ford diesel trucks and include all the necessary components.



DESIGNED FOR:



**MECHANICAL REGULATOR**  
Easy access for setup/adjustment

**AIR/OIL SEPARATOR TANK**  
Separates compressor oil from compressed air and mounts safely to the truck's frame rail

**COOLER**  
Liquid-to-liquid cooler integrates into truck's cooling system and mounts under the truck's radiator

**CHELSEA® 272 SERIES PTO (RAM)**  
or **CHELSEA® 249 SERIES PTO (2011-2019 Ford)**  
or **CHELSEA® 210 SERIES PTO (2020+ Ford)**

**CONTROL BOX**  
LCD for on/off controls; observing system status; service reminders, displays error messages and stores error codes

**VMAC AIR COMPRESSOR**  
Oil-injected rotary screw; Up to 70 CFM @ 100 psi; 100% duty cycle; up to 175 psi

**HEATER**  
Includes 250 W modified Sine Wave Inverter and wiring harness

## SPECIFICATIONS

|                       |  |  |
|-----------------------|--|--|
| Air Compressor Output | Up to 70 CFM* @ 100 psi (175 psi max)  |  |
| Air Compressor Type   | PTO driven, direct transmission mounted, 100% duty cycle, VMAC oil-injected rotary screw   |  |
| Weight (wet)          | Approximately 150 lb (68 kg)   |  |
| PTO (included)        | CHELSEA® PTO; electrically actuated, PTO indicator lamp<br>> CHELSEA® 272 Series (RAM)<br>> CHELSEA® 249 Series (2011-2019 Ford)<br>> CHELSEA® 210 Series (2020+ Ford) |  |
| Throttle Control      | Variable speed; digital throttle control connects to OBD2 CAN bus connector**; adjusts truck engine speed automatically to match air demand                            |  |
| Display Box           | > On/Off function of PTO and compressor<br>> LCD display   | > Service notifications<br>> System temperature  |
| Safety System         | > Automatic compressor heater function<br>> Compressor over-temp sensor<br>> Automatic rapid blow-down valve on tank   | > Displays error messages and stores error codes<br>> 200 psi air pressure relief valve<br>> Truck drive disable circuit on throttle control<br>> Truck park brake safety shut-off switch on control box |
| Applications          | > RAM 3500 to 5500 chassis cab 6.7L Cummins diesel with AISIN Automatic Transmission. Must have PTO prep package.  | > Ford F250 to F550 Super Duty 6.7L Power Stroke diesel 4x2 & 4x4 work truck with TorqShift™ 6-speed (6R140) or 10-speed (10R140) Automatic Transmission   |
| Warranty              | Two years on all major components; VMAC air-ends are covered by VMAC's Lifetime Limited Warranty   |  |

\*Actual maximum CFM output of the air compressor varies by vehicle application and engine RPM. See application list for details.

\*\*2017+ model year Ford trucks and 2019+ model year RAM trucks only

## OPTIONAL ACCESSORIES

**AIR SYSTEM DE-ICER**  
A700031



**FILTER REGULATOR LUBRICATOR (FRL)**  
A700151



**AIR AFTERCOOLER**  
A800070



VMAC DEALER INFORMATION:

**VMAC**  
AIR INNOVATED

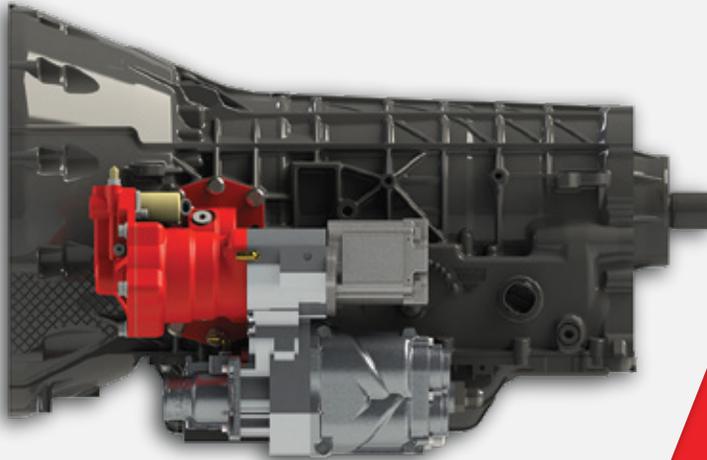
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# DIRECT-TRANSMISSION MOUNTED PTO DRIVEN MULTI-POWER SYSTEM

THE WORLD'S ONLY DIRECT-TRANSMISSION MOUNTED PTO DRIVEN AIR COMPRESSOR WITH HYDRAULICS!



**DTM70-H**

"So far it's been awesome. The DTM70-H is so much quieter than my old reciprocating system. I just turn it on and it keeps up with no lag time, supplying all the air I need instantly. It's so lightweight, which is big on my F550, so I can carry all my tools and equipment without going over weight."

- Phil Fanelli, Owner,  
Heavy Equipment Repair, Hilmar, CA

## VARIABLE AIR, STEADY HYDRAULICS, ONE PTO

Use variable air power and steady hydraulic power at the same time, when mounted on 2020+ MY Ford diesel trucks with a single PTO port. The DTM70-H uses a priority valve to divert excess hydraulic flow, which allows you to get up to 65 CFM\* of compressed air on demand—while simultaneously providing the consistent hydraulic power you need.

## DECREASE TRUCK GVW BY UP TO 600 LB

The DTM70-H frees up truck GVW by as much as 600 lb, with no air receiver tank to mount on the truck deck and 50% smaller hydraulic tank sizes required compared to other hydraulic systems. The total system weight is only 180 lb, allowing you to add more tools and equipment to your truck, carry more materials, take advantage of better fuel economy, or even downsize your truck classification.

## 30% FASTER INSTALLATION

The DTM70-H is application-engineered for 2017+ Ford F250 to F550 Super Duty work trucks with 6.7L Power Stroke diesel engine, and 6-speed or 10-speed TorqShift™ Automatic Transmission (4x4 or 4x2). No modifications are required to the Ford transfer case. No drive shafts are required to cause alignment issues. Reduced hydraulic plumbing, fittings and hoses compared to other deck-mounted hydraulic air compressors. The system integrates with standard crane controls.



\*Actual maximum CFM and GPM output varies based on truck model year, engine RPM, hydraulic pump size, and operating mode.

DESIGNED FOR:



**MECHANICAL REGULATOR**  
Easy access for setup/adjustment

**AIR/OIL SEPARATOR TANK**  
Separates compressor oil from compressed air and mounts safely to the truck's frame rail

**COOLER**  
Liquid-to-liquid cooler integrates into truck's cooling system and mounts under the truck's radiator

**HEATER**  
Includes 250 W modified Sine Wave Inverter and wiring harness

**VMAC AIR COMPRESSOR**  
Oil-injected rotary screw; Up to 70 CFM\* @ 100 psi; 100% duty cycle; up to 175 psi

**CHELSEA® 249 SERIES PTO (2017-2019 Ford) or CHELSEA® 210 Series PTO (2020+ Ford)**

**PRIORITY VALVE (2020+ MY trucks only)**  
Diverts excess hydraulic flow back to hydraulic reservoir tank when operating in Variable Mode

**HYDRAULIC PUMP**  
Various pump options available; 2.5 GPM - 14.9 GPM\*

**CONTROL BOX**  
LCD for on/off controls; observing system status, displays error messages and stores error codes

## SPECIFICATIONS

|                        | 2017-2019 MODEL YEARS  | 2020+ MODEL YEARS   |
|------------------------|--|---|
| Air Compressor Output  | Up to 70 CFM* @ 100 psi (175 psi max)  | Up to 65 CFM* @ 100 psi (175 psi max)   |
| Air Compressor Type    | PTO driven, direct transmission mounted, 100% duty cycle, VMAC oil-injected rotary screw   |   |
| Weight (wet)           | Approximately 180 lb (81.6 kg)   |   |
| Control Box            | <ul style="list-style-type: none"> <li>On/Off function of PTO and compressor</li> <li>Operating mode switch on PTO indicator panel</li> <li>LCD display</li> </ul>   | <ul style="list-style-type: none"> <li>Service notifications</li> <li>System temperature</li> <li>Compatible with start/stop crane modules</li> <li>Displays error messages and stores codes</li> </ul>   |
| Safety System          | <ul style="list-style-type: none"> <li>Automatic compressor heater function</li> <li>Automatic rapid blow-down valve on tank</li> <li>Truck drive disable circuit on throttle control</li> <li>Compressor over-temp sensor</li> </ul>  | <ul style="list-style-type: none"> <li>200 psi air pressure relief valve</li> <li>Truck park brake safety shut-off switch on control box</li> <li>Priority valve diverts excess hydraulic flow to reservoir tank (2020+ MY trucks only)</li> </ul>  |
| Applications           | 2017+ Ford F250 to F550 Super Duty 6.7L Power Stroke diesel 4x2 & 4x4<br>TorqShift™ Automatic 6-Speed (6R140) Transmission   | TorqShift™ Automatic 10-Speed (10R140) Transmission   |
| PTO (included)         | CHELSEA® PTO; electrically actuated, PTO indicator lamp<br>CHELSEA® 249 Series   | CHELSEA® 210 Series   |
| Hydraulic Pump Options | 3.5 GPM - 14.9 GPM*<br>2 throttle control set-points available<br>Adjustable up to 2,700 RPM   | 2.5 GPM - 8.0 GPM*<br>Two Operating Modes: variable and fixed; includes toggle switch to switch modes<br>Fixed mode: Engine RPM stays constant at engine RPM set-point (factory pre-set 1,250, +/- 250 RPM)<br>Variable mode: Engine RPM increases and decreases automatically based on air demand (up to max RPM for the pump) |
| Throttle Control       |  |   |
| Warranty               |  <ul style="list-style-type: none"> <li>Two years on all major components; VMAC air-ends are covered by VMAC's Lifetime Limited Warranty</li> <li>Chelsea PTO covered by Parker Chelsea Two Year Warranty; Chelsea Pumps covered by Parker Chelsea 18-month Warranty</li> </ul> |   |

\*Actual maximum CFM and GPM output varies based on truck model year, engine RPM, hydraulic pump size, and operating mode. See table below for details.

| 2020+ Model Year     | 2 Operating Modes - Toggle Switch Selection      |   | Fixed Mode*       | Variable Mode  |       |       |       |           |       |       |       |       |           |
|----------------------|--|---|-------------------|--|-------|-------|-------|-----------|-------|-------|-------|-------|-----------|
|                      | Engine Speed (RPM)                               |   | 1,250             | 1,500  | 1,800 | 2,100 | 2,200 | 2,300     | 2,400 | 2,500 |       |       |           |
|                      | Compressor Output (CFM @ 100 psi)                |   | 25                | 35   | 46    | 55    | 58    | 60        | 63    | 65    |       |       |           |
| DM2A021              | Priority Valve included; Hydraulic Pump included | (GPM @ 3,000 psi)   | 2.5 - 3.2**       | * Fixed Mode factory pre-set 1,250 (± 250 RPM) 2,500 Max     |       |       |       |           |       |       |       |       |           |
| DM2B021              |  |   | 4.3 - 6.0**       | **Hydraulic flow adjustment made w/ Priority Valve 2,300 Max |       |       |       |           |       |       |       |       |           |
| DM2C021              |  |   | 6.5 - 8.0**       | 2,100 Max  |       |       |       |           |       |       |       |       |           |
| 2017-2019 Model Year | 2 Fixed Engine Speeds (RPM) - Adjustable         |   | Speed 1           | Speed 2  |       |       |       |           |       |       |       |       |           |
|                      | Engine Speed (RPM)                               |   | 1,200 - 1,500     | 1,500  | 1,800 | 2,100 | 2,200 | 2,300     | 2,400 | 2,500 | 2,600 | 2,700 |           |
|                      | Compressor Output (CFM @ 100 psi)                |   | 30 - 41           | 41   | 49    | 55    | 58    | 60        | 62    | 64    | 66    | 69    |           |
|                      | DM20011  | Priority Valve Not Available; Hydraulic pump INCLUDED, choose best pump option: | (GPM @ 3,625 psi) | 3.5 - 4.4  | 4.4   | 5.3   | 6.2   | 6.5       | 6.8   | 7.1   | 7.4   | 7.7   | 8.0       |
|                      | + 4500147  |   |                   | 4.9 - 6.2  | 6.2   | 7.4   | 8.6   | 9.0       | 9.4   | 9.9   | 10.3  | 10.7  | 2,681 Max |
| + 4500148            |  |   | 7.4 - 9.3         | 9.3  | 11.1  | 13.0  | 13.6  | 2,258 Max |       |       |       |       |           |
| + 4500149            |  |   | 8.1 - 10.2        | 10.2   | 12.2  | 14.2  | 14.9  |           |       |       |       |       |           |

VMAC DEALER INFORMATION:



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