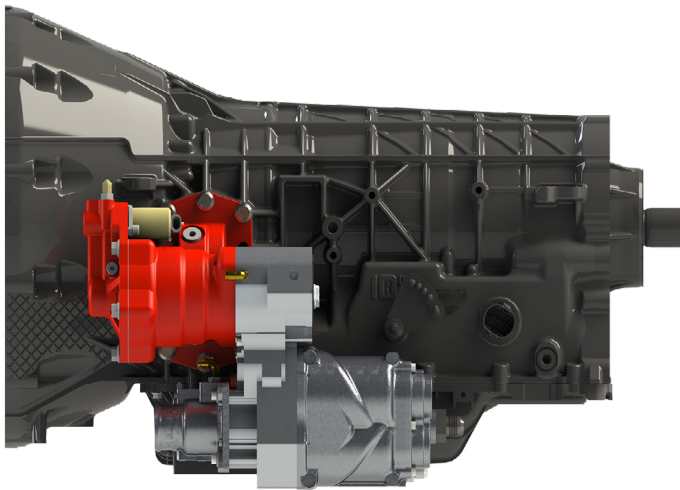




DIRECT-TRANSMISSION MOUNTED AIR COMPRESSORS

DTM70



BENEFITS



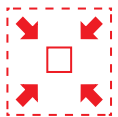
Up To 70 CFM. 100% Of The Time.

DTM70 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 an air receiver tank. This maximizes tool performance and eliminates downtime.



Decrease Truck GVW By Up To 260 lb

DTM70 air compressors reduce truck weight by as much as 260 lb because there is no secondary engine to carry around on your truck. At only 150 lb, the DTM70 also weighs a fraction compared to other underdeck air compressors. Choose a lightweight air compressor, and you'll be able to add more tools and equipment to your truck, carry more materials, and take advantage of better fuel economy.



Free Up To 25 Cubic Feet

VMAC DTM70 air compressors free up to 25 cubic feet on the truck deck because the air compressor mounts to the transmission, and the rest of the system mounts under the truck. In fact, no components get installed on the Ford truck deck, ensuring a clean and professional-looking truck and space for other equipment, tools, or materials.



Easy Operation

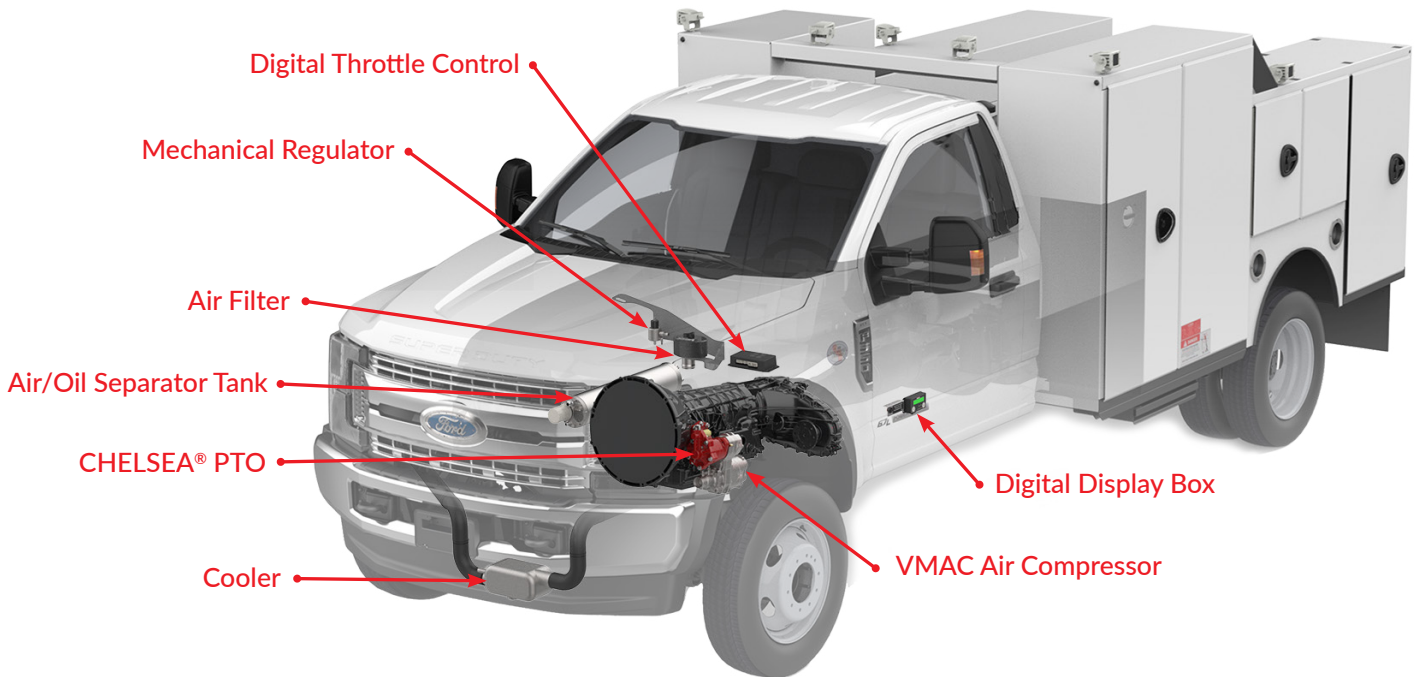
VMAC's DTM air compressors feature easy-to-use controls. Simply press the on/off button on the digital control box, and the system will take care of the rest; the PTO engages, the compressor turns on, and the throttle control automatically idles the truck engine up and down to match air demand. For cold climate operation, a heater is built into the compressor, which automatically warms up on the way to the job, so it is ready to work when you are.



Easy Installation

DTM70 air compressors are easy to install, with installation times up to 50% faster than other underdeck air compressor systems. The DTM70 doesn't require modifications to the RAM or Ford transfer case, nor drive shafts that can cause alignment issues. Traditional underdeck air compressors for RAM and Ford Super Duty trucks are extremely heavy, have poor ground clearance, and require additional components sourcing. VMAC mounting kits are application engineered for RAM and Ford diesel trucks and include all the necessary components.

COMPONENTS



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 » CHELSEA® 272 Series (RAM) » CHELSEA® 210 Series (Ford)
Display Box	<ul style="list-style-type: none"> » On/Off function of PTO and compressor » LCD display » Service notifications » Displays error messages and stores error codes » System temperature
Throttle Control	<ul style="list-style-type: none"> » Variable speed - adjusts truck engine speed automatically to match air demand » Digital throttle control connects to OBD2 CAN bus connector
Safety System	<ul style="list-style-type: none"> » Automatic compressor heater function » Compressor over-temp sensor » Automatic rapid blow-down valve on tank » 200 psi air pressure relief valve » Truck drive disable circuit on throttle control » Truck park brake safety shut-off switch on control box
Applications	<ul style="list-style-type: none"> » 2019+ RAM 3500 to 5500 chassis cab 6.7L Cummins diesel with PTO prep package (option code LBN) » 2020+ Ford F250 to F600 Super Duty 6.7L Power Stroke diesel with PTO provision
Warranty	<ul style="list-style-type: none"> » Two years on all major components; VMAC air-ends are covered by VMAC's Lifetime Limited Warranty » Chelsea PTO covered by Parker Chelsea Two Year Warranty



1-877-912-6605
 sales@vmacair.com
 VMACAIR.com

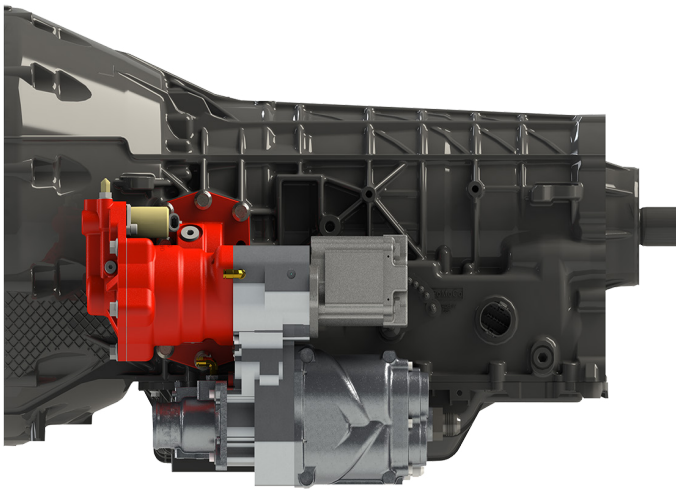


VMAC Dealer Information



DIRECT-TRANSMISSION MOUNTED PTO DRIVEN MULTI-POWER SYSTEMS

DTM70-H



BENEFITS



Variable Air & Steady Hydraulics – One PTO

Use variable air power and steady hydraulic power at the same time 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.



Fixed & Variable Operating Modes

The DTM70-H multi-power system allows operators to switch between fixed and variable modes, which reduces engine RPM and minimizes fuel consumption, resulting in fewer emissions and less noise on the job site. Fixed mode maintains a pre-set low engine RPM for running hydraulic equipment and provides a steady rate of compressed air. Variable mode enables engine RPM to increase and decrease automatically based on air demand, while still maintaining steady hydraulic flow. Both modes enable hydraulic equipment to operate at their required speeds.



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 taller tool cabinets, carry more materials or equipment or take advantage of improved fuel economy while driving to the jobsite.



Free Up To 13 Cubic Feet

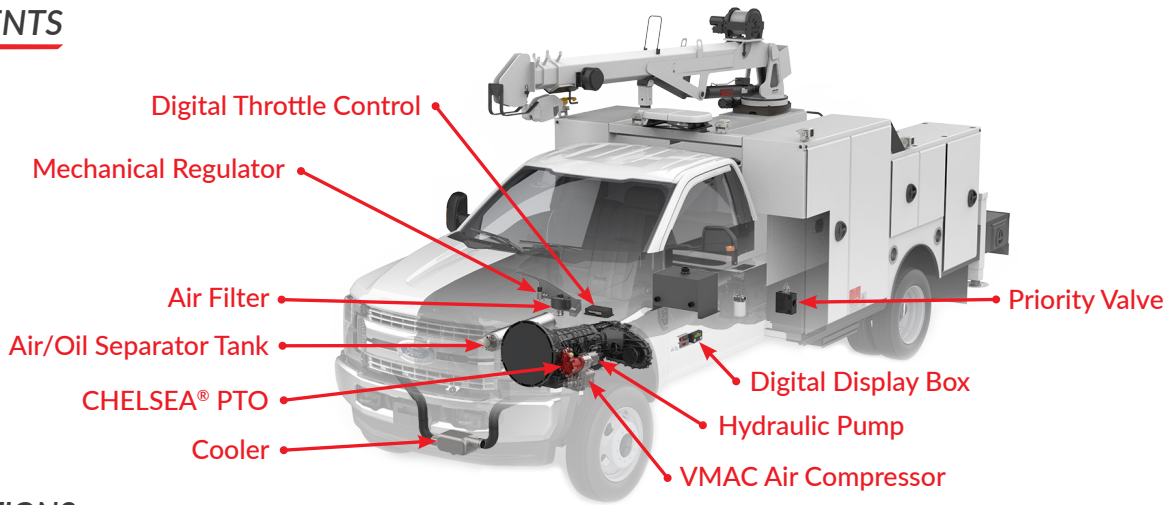
The DTM70-H multi-power system frees up to 13 cubic feet on the truck deck because the air compressor mounts to the transmission, and the rest of the system mounts under the truck. In fact, no components get installed on the truck deck which ensures a clean and professional looking truck, and space for other equipment, tools or materials.



30% Faster Installations

The DTM70-H is application engineered for 2020+ Ford F-250 to F-600 Super Duty work trucks with 6.7 L Power Stroke diesel, and TorqShift™ Automatic Transmission (4x4 or 4x2). No modifications are required to the Ford transfer case. No drive shafts are required, which can cause alignment issues. The system also allows for reduced hydraulic plumbing, fittings, and hoses compared to other deck-mounted hydraulic air compressors.

COMPONENTS



SPECIFICATIONS

Air Compressor Output	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)
PTO (Included)	CHELSEA 210 Series PTO; electrically actuated, PTO indicator lamp
Hydraulic Pump Options	2.5 GPM – 8.0 GPM*
Throttle Control	Two operating modes: variable and fixed; includes toggle switch to switch modes <ul style="list-style-type: none"> » Fixed mode: engine RPM stays constant at engine RPM set-point (factory pre-set 1,250, +/- 250 RPM) » Variable mode: engine RPM increases and decreases automatically based on air demand (up to max RPM for the pump)
Control System	<ul style="list-style-type: none"> » Allows for simultaneous operation of both the air compressor and hydraulic pump » On/Off function of PTO and compressor » Operating mode switch on PTO indicator panel » LCD display » Service notifications » Error messages » System temperature » Compatible with start/stop crane modules
Safety System	<ul style="list-style-type: none"> » Automatic compressor heater function » Compressor over-temp sensor » Automatic rapid blow-down valve on tank » 200 psi air pressure relief valve » Truck drive disable circuit on throttle control » Truck park brake safety shut-off switch on control box » Priority valve diverts excess hydraulic flow to reservoir tank
Warranty	<ul style="list-style-type: none"> » Two years on all major components; VMAC air-ends are covered by VMAC's Lifetime Limited Warranty » Chelsea PTO covered by Parker Chelsea Two Year Warranty; Chelsea Pumps covered by Parker Chelsea 18-month Warranty

*Actual CFM and GPM output dependent on hydraulic pump, engine RPM and operating mode (see chart below)

COMPRESSOR & HYDRAULIC PUMP PERFORMANCE TABLE

2020+ Model Year	2 Operating Modes - Rocker Switch Selection		Fixed Mode*	Variable Mode						2,500 Max RPM	
	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
DM2A021/30	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 RPM	
DM2B021/30			4.3-6.0**	**Hydraulic flow adjustment made w/Priority Valve						2,300 Max RPM	
DM2C021/30			6.5-8.0**							2,100 Max RPM	



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