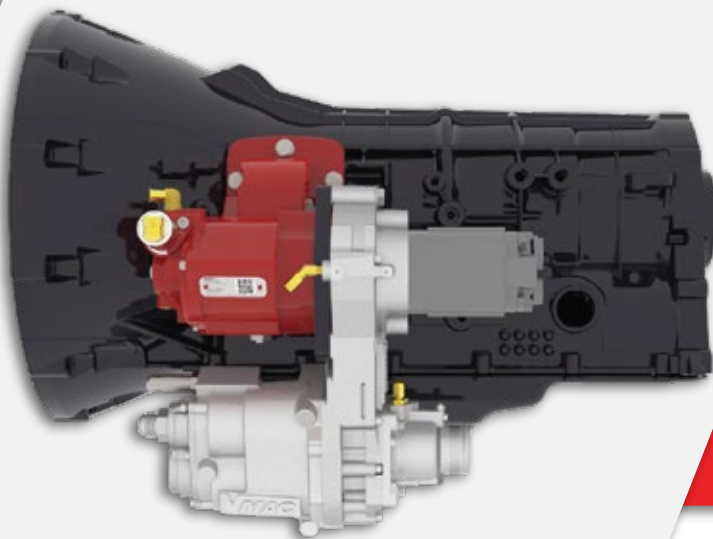




DIRECT-TRANSMISSION MOUNTED PTO DRIVEN MULTI-POWER SYSTEM

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



DTM70-H

*Displayed on 2017-2019 model

"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

HEATER
Includes 300 W modified Sine Wave Inverter and wiring harness

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

*Displayed on 2017-2019 model

PRIORITY VALVE
Diverts excess hydraulic flow back to hydraulic reservoir tank when operating in Variable Mode

REMOTE HEAVY DUTY AIR FILTER
(2017-2019 MY trucks only)

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

HYDRAULIC PUMP
Various pump options available; 3.4 GPM - 14.9 GPM*

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

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

SPECIFICATIONS

Air Compressor Output Up to 70 CFM* @ 100 psi (175 psi max); actual CFM output dependent on engine RPM (see chart below)

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

- On/Off function of PTO and compressor
- Operating mode switch on PTO indicator panel
- LCD display
- Service notifications
- System temperature
- Compatible with start/stop crane modules
- Displays error messages and stores codes

Safety System

- Automatic compressor heater function
- Automatic rapid blow-down valve on tank
- Truck drive disable circuit on throttle control
- Compressor over-temp sensor
- 200 psi air pressure relief valve
- Truck park brake safety shut-off switch on control box
- Priority valve diverts excess hydraulic flow to reservoir tank (2020+ MY trucks only)

2017-2019 MODEL YEARS

2020+ MODEL YEARS

Applications 2017+ Ford F250 to F550 Super Duty 6.7L Power Stroke diesel 4x2 & 4x4
TorqShift™ Automatic 6-Speed (6R140) Transmission

TorqShift™ Automatic 10-Speed (10R140) Transmission

PTO (included) CHELSEA® PTO; electrically actuated, PTO indicator lamp
CHELSEA® 249 Series

CHELSEA® 210 Series

Hydraulic Pump Options 3.5 GPM - 14.9 GPM*

3.4 GPM - 13.6 GPM*

Throttle Control

- 2 throttle control set-points available
- Adjustable up to 3,000 RPM

- Two Operating Modes: variable and fixed; includes toggle switch to switch modes
- Fixed mode: Engine RPM stays constant at engine RPM setpoint (adjustable from 1250 to max RPM for the pump)
- Variable mode: Engine RPM increases and decreases automatically based on air demand (up to max RPM for the pump)

Warranty



- 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 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	Operating Mode/Speed			FIXED MODE	VARIABLE MODE - BYPASS VALVE DIVERTS EXCESS HYDRAULIC FLOW									
	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	Hydraulic Pump options	(GPM @ 3,000 psi)	3.4	4.1	4.9	5.7	6.0	6.3	6.5	6.8	2500 Max RPM		
				DM2B021	6.0	7.2	8.6	10.1	10.5	11.0	2300 Max RPM			
DM2C021	8.1			9.7	11.7	13.6	2100 Max RPM							
2017-2019 Model Year	Operating Mode/Speed			2 FIXED SPEEDS (ADJUSTABLE) - BYPASS VALVE NOT AVAILABLE										
	Engine Speed (RPM)			1,200	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	49	55	58	60	62	64	66	69	
	DM20011	Hydraulic pump INCLUDED; choose best pump option below:												
	+ 4500147	Hydraulic Pump options	(GPM @ 3,625 psi)	3.5	4.4	5.3	6.2	6.5	6.8	7.1	7.4	7.7	8.0	
				+ 4500148	4.9	6.2	7.4	8.6	9.0	9.4	9.9	10.3	10.7	2661 Max RPM
				+ 4500149	7.4	9.3	11.1	13.0	13.6	2258 Max RPM				
+ 4500150				8.1	10.2	12.2	14.2	14.9						

VMAC DEALER INFORMATION:



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