



PTO Shaft-Driven & Hydraulically Driven Underdeck Systems

What Kind of Power Do You need?



Shown: UDSM ALL-IN-ONE Power System*

UDSM UDHD AIR ONLY	PTO Shaft-Driven	Air (CFM) - 60, 85, 125, 160, 185, 200, 300, 375, 400, or 425	Air (PSI) - 100-150					
	Hydraulic Driven	Air (CFM) - 60, 85, 125, 160, or 185	Air (PSI) - 100-150					
XCITE GENERATOR ONLY	PTO Shaft-Driven	Output (kW) - 6.8, 10, 16.9, 20 or 25	Voltage - 120 or 120/240					
	Hydraulic Driven	Output (kW) - 4, 7.5, 8.5, 10, 12 or 15	Voltage - 120 or 120/240					
GENAIR AIR & GENERATOR	PTO Shaft-Driven	Air (CFM) - 125, 160 or 185	Air (PSI) - 100-150	Output (kW) - 6.6 or 9.6	Voltage - 120 or 120/240			
V2 AIR & HYDRAULIC	PTO Shaft-Driven	Air (CFM) - 125, 160 or 185	Air (PSI) - 100-150	SAE B Pump Pad* 77 ft. lbs.				
V3 AIR, GENERATOR & HYDRAULIC	PTO Shaft-Driven	Air (CFM) - 125, 160 or 185	Air (PSI) - 100-150	Output (kW) - 6.6 or 9.6	Voltage - 120 or 120/240	SAE B Pump Pad* 77 ft. lbs.		
UDSM ALL-IN-ONE POWER SYSTEMS AIR, GENERATOR, HYDRAULIC, BATTERY BOOST/CHARGE, & WELDER	PTO Shaft-Driven	Air (CFM) - 125, 160 or 185	Air (PSI) - 100-150	Output (kW) - 10 Peak	Voltage - 120 or 120/240	SAE B Pump Pad 77 ft. lbs.	Battery Boost/Charge 330A, 12/24V, Optional 36V and 48V	Welding 330A

*Pump Sold Separately

Complete Underdeck Kits

Each Vanair® underdeck kit is specific to the make and model of your vehicle. All kits for trucks contain the following items plus the power unit, such as an air compressor or generator that you select.

All Kits Contain (except Xcite® generators)

- Power unit
- Advanced manifold with UltraLife® 6000-hour coalescer
- Tank-mounted Failsafe®
- New impact resistant PC-ABS polymer air cooler enclosure for optimal air flow and efficiency
- V-TEC® II display and compressor control system
- Vanguard® rotary screw compressor oil
- Hosing
- Valving

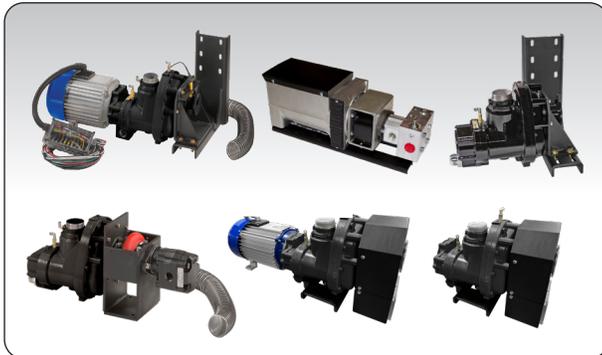


FailSafe
Dual Sensor Redundancy System
Remote Mount NEMA box

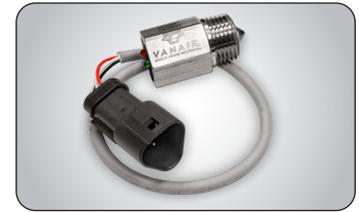
+ Power Units

(standard with FailSafe®, Ultralife®, XERO® Tank and VTEC®II)

+ Optional Features



ThermalGuard
Weather Protection Kit



Optical Oil Level Sensor

Additional Options/Accessories



Filter Lubricator Regulator (FLR)
Controls pressure and adds lubricant to the compressed air system.



Airline De-Icer
Durable dispensing unit to help prevent airlines from freezing.



Tool Lubricator
Device to lubricate the air tool assembly.



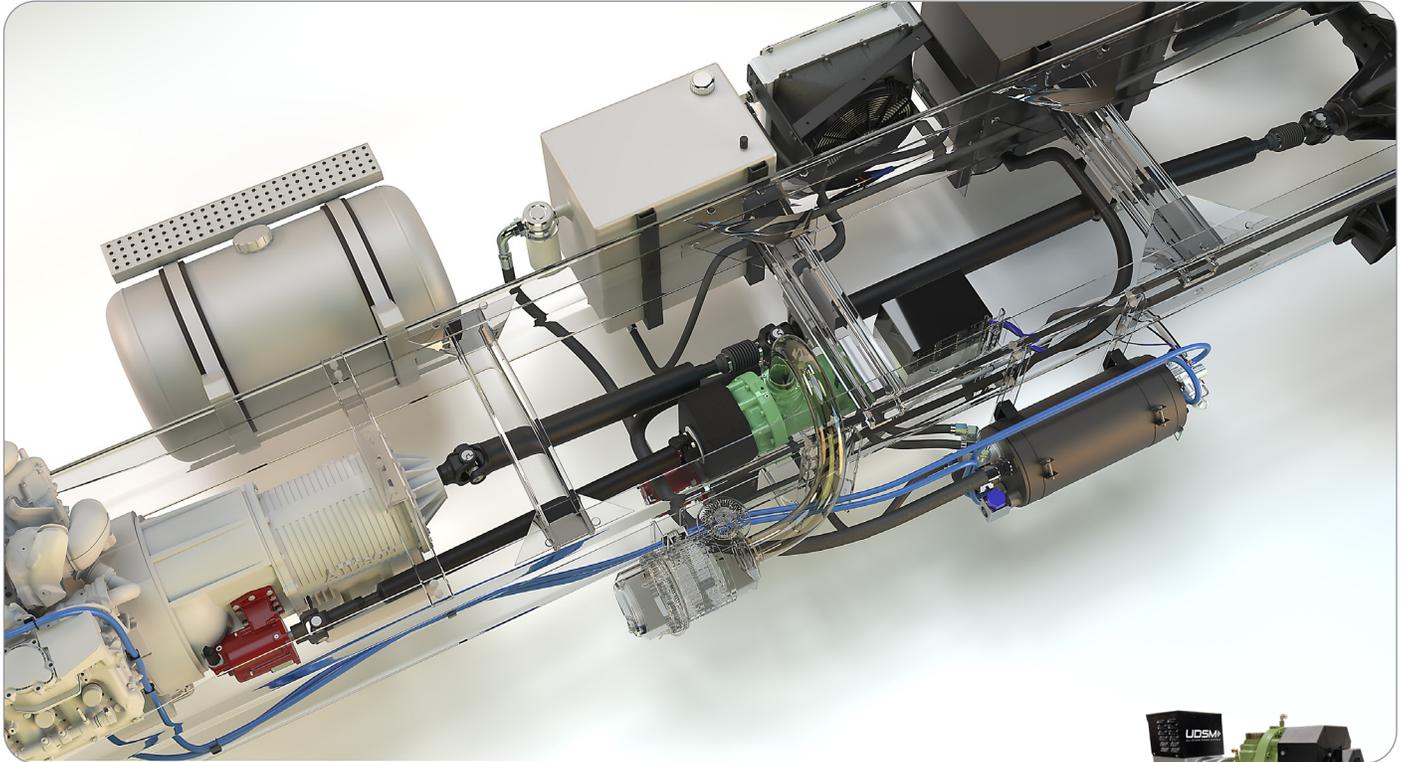
Moisture Separator
A filter to remove harmful oil/water condensate, pipe scale, dirt and rust from your compressed air system.



Aftercooler with Bracket
Heat exchanger for cooling the discharge from an air compressor. Removes moisture captured in the compressed air.



Hose Reel with Hose
Retractable, spring-loaded steel hose reel with hose, rated for maximum compressor output.



AIR COMPRESSOR			
Capacity (CFM)	125	160	185
Air (PSI)	150	150	150
Oil Capacity (Gal.) Initial Fill	2.5	2.5	2.5

GENERATOR (TEFC)	
Output (Peak)	10kW
Voltage	120 or 120/240, 60 Hz
Speed	3600 RPM

WELDER	
Strike Voltage	7-8V
Weld Voltage	28V
Output Current Range	330A Peak
Duty Cycle (MMA)	70%

BATTERY BOOST/CHARGE	
Output (Peak)	330A
Boost/Charge Voltage	12/24
Optional Voltage	36 and 48

SAE B PUMP PAD (pump sold separately)
Up to 30 GPM @ 2000 PSI



Remote Control Panel for Easy Operation

UDSM

PTO AIR COMPRESSORS

PTO SHAFT-DRIVEN AIR COMPRESSOR



AIR COMPRESSOR								
Capacity (CFM)	60	85	125	160	185	200	200	300
Air (PSI)	100-150	100-150	100-150	100-150	100-150	100-150	200	250
Compressor Input (RPM)	1030	1460	1330	1675	1920	2075	2075	2475
Oil Capacity (Gal.) Initial Fill	2.5	2.5	2.5	2.5	2.5	2.5	2.5	10

Dry Weight (Lbs.): 328 (60-85 CFM), 407 (125-200 CFM)



AIR COMPRESSOR				
Capacity (CFM)	125	160	185	200
Air (PSI)	100-150	100-150	100-150	100-150
Compressor Input (RPM)	1730	1675	1920	2075
Oil Capacity (Gal.) Initial Fill	2.5	2.5	2.5	2.5

Dry Weight (Lbs.): 407 (125-200 CFM)



AIR COMPRESSOR				
Capacity (CFM)	100	125	160	185
Air (PSI)	100-150	100-150	100-150	100-150
Compressor Input (RPM)	1595	1625	2085	2415
Oil Capacity (Gal.) Initial Fill	2.5	2.5	2.5	2.5

Dry Weight (Lbs.): 358 - 399

UDHD

HYDRAULIC DRIVEN AIR COMPRESSORS

HYDRAULIC DRIVEN AIR COMPRESSOR



AIR COMPRESSOR					
Capacity (CFM)	60	85	125	160	185
Air (PSI)	100-150	100-150	100-150	100-150	100-150
Hydraulic Flow (GPM)	17.0	23.5	27.6-29.2	36.8-38.3	42.2-44.2
Hydraulic Pressure (PSI)	2300-2800	2300-2700	2100-2620	2200-2700	2400-2830
Oil Capacity (Gal.) Initial Fill	2.5	2.5	2.5	2.5	2.5

Dry Weight (Lbs.): 428 (60-85 CFM), 453 (125-160 CFM), 453-491 (185 CFM)

GENAIR

PTO SHAFT-DRIVEN AIR COMPRESSOR & GENERATOR



AIR COMPRESSOR			
Capacity (CFM)	125	160	185
Air (PSI)	100-150	100-150	100-150
Compressor Input (RPM)	1535	1880	2160
Oil Capacity (Gal.) Initial Fill	2.5	2.5	2.5

Dry Weight (Lbs.): 513 - 554

GENERATOR (TEFC)			
Output (kW) Continuous	6.6	OR	9.6
Voltage	120 or 120/240	120 or 120/240	
Phase	Single Phase	Single Phase	
Speed	3600 RPM	3600 RPM	
Protection Degree	IP54	IP54	
Type	Brushless AVR	Brushless AVR	



AIR COMPRESSOR		
Capacity (CFM)	125	160
Air (PSI)	100-150	100-150
Compressor Input (RPM)	1900	2330
Oil Capacity (Gal.) Initial Fill	2.5	2.5

Dry Weight (Lbs.): 513 - 554

GENERATOR (TEFC)		
Output (kW) continuous	6.6	OR 9.6
Voltage	120 or 120/240	120 or 120/240
Phase	Single Phase	Single Phase
Speed	3600 RPM	3600 RPM
Protection Degree	IP54	IP54
Type	Brushless AVR	Brushless AVR



AIR COMPRESSOR			
Capacity (CFM)	125	160	185
Air (PSI)	100-150	100-150	100-150
Compressor Input (RPM)	1660	2085	2415
Oil Capacity (Gal.) Initial Fill	2.5	2.5	2.5

Dry Weight (Lbs.): 449 - 510

GENERATOR (TEFC)		
Output (kW) continuous	6.6	OR 9.6
Voltage	120 or 120/240	120 or 120/240
Phase	Single Phase	Single Phase
Speed	3600 RPM	3600 RPM
Protection Degree	IP54	IP54
Type	Brushless AVR	Brushless AVR



PTO SHAFT-DRIVEN GENERATOR



GENERATOR					
Output (kW)	6.8	10	16.9	20	25
Voltage	120 or 120/240				
Phase	Single	Single	Single	Single	Single
AMPs	54/27	84/42	140/70	166/83	208/104
Speed (RPM)	1800	1800	1800	1800	1800
Weight (Lbs.)	80	123	270	295	339

Dimensions (In.): 17L x 11.5W x 12H (6.8 kW - 10kW), x 24L x 12W x 12H (16.9 kW), 25L x 12W x 12H (20 kW - 25 kW)
Consult Vanair® for additional kW options.



HYDRAULIC DRIVEN GENERATOR

4 kW, 7.5 kW and 8.5 kW available for Ford® models.

GENERATOR						
Output (kW)	4	7.5	8.5	10	12	15
Voltage	120 or 120/240					
Phase	Single	Single	Single	Single	Single	Single
AMPs	33/16	62/31	72/36	84/42	105/52.5	126/63
Hydraulic Flow (GPM)	8.5	14.5	16	19	20	24
Pressure (PSI)	1800	1800	1800	2000	2000	2000
Weight (Lbs.)	78	105	114	121	129	141

Dimensions (In.): 23L x 8W x 10H (4 kW), 28L x 8W x 10H (7.5 kW - 10 kW), 29L x 11W x 11H x (12 kW - 15 kW)
Consult Vanair® for additional kW options.



PTO SHAFT-DRIVEN AIR COMPRESSOR & SAE B PUMP PAD

MULTI-DRIVE SYSTEM



AIR COMPRESSOR			
Capacity (CFM)	125	160	185
Air (PSI)	100-150	100-150	100-150
Compressor Input (RPM)	1330	1675	1920
Oil Capacity (Gal.) Initial Fill	2.5	2.5	2.5

Dry Weight (Lbs.): 473- 514

SAE B PUMP PAD (pump sold separately)
Limited to 77 Ft. Lbs.





AIR COMPRESSOR			
Capacity (CFM)	125	160	185
Air (PSI)	100-150	100-150	100-150
Compressor Input (RPM)	1730	1675	1920
Oil Capacity (Gal.) Initial Fill	2.5	2.5	2.5

Dry Weight (Lbs.): 473 - 514

SAE B PUMP PAD (pump sold separately)
Limited to 77 Ft. Lbs.



AIR COMPRESSOR			
Capacity (CFM)	125	160	175
Air (PSI)	100-150	100-150	100-150
Compressor Input (RPM)	1730	2175	2495
Oil Capacity (Gal.) Initial Fill	2.5	2.5	2.5

Dry Weight (Lbs.): 473 - 514

SAE B PUMP PAD (pump sold separately)
Limited to 77 Ft. Lbs.



PTO SHAFT-DRIVEN AIR COMPRESSOR, GENERATOR & SAE B PUMP PAD



AIR COMPRESSOR			
Capacity (CFM)	125	160	185
Air (PSI)	100-150	100-150	100-150
Compressor Input (RPM)	1535	1880	2160
Oil Capacity (Gal.) Initial Fill	2.5	2.5	2.5

SAE B PUMP PAD (pump sold separately)
Limited to 77 Ft. Lbs.

Dry Weight (Lbs.): 595 - 636

GENERATOR (TEFC)			
Output (kW) Continuous	6.6	OR	9.6
Voltage	120 or 120/240		120 or 120/240
Phase	Single Phase		Single Phase
Speed	3600 RPM		3600 RPM
Protection Degree	IP54		IP54
Type	Brushless AVR		Brushless AVR



AIR COMPRESSOR		
Capacity (CFM)	125	160
Air (PSI)	100-150	100-150
Compressor Input (RPM)	1900	2330
Oil Capacity (Gal.) Initial Fill	2.5	2.5

SAE B PUMP PAD (pump sold separately)
Limited to 77 Ft. Lbs.

Dry Weight (Lbs.): 595 - 636

GENERATOR (TEFC)			
Output (kW) Continuous	6.6	OR	9.6
Voltage	120 or 120/240		120 or 120/240
Phase	Single Phase		Single Phase
Speed	3600 RPM		3600 RPM
Protection Degree	IP54		IP54
Type	Brushless AVR		Brushless AVR



AIR COMPRESSOR			
Capacity (CFM)	125	160	175
Air (PSI)	100-150	100-150	100-150
Compressor Input (RPM)	1900	2325	2500
Oil Capacity (Gal.) Initial Fill	2.5	2.5	2.5

SAE B PUMP PAD (pump sold separately)
Limited to 77 Ft. Lbs.

Dry Weight (Lbs.): 595 - 636

GENERATOR (TEFC)			
Output (kW) Continuous	6.6	OR	9.6
Voltage	120 or 120/240		120 or 120/240
Phase	Single Phase		Single Phase
Speed	3600 RPM		3600 RPM
Protection Degree	IP54		IP54
Type	Brushless AVR		Brushless AVR





RAM



FREIGHTLINER

KENWORTH



ISUZU



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