



MULTIFUNCTION 6-IN-1 POWER SYSTEM

CAT® POWER. VMAC INNOVATION.



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VMAC accepting FINNING International Inc's 2017 Innovative Partner award.

SIX POWER SOURCES, ONE QUIET MACHINE

For industrial jobsites or residential areas where noise level is a concern, there is no better system. The VMAC Multifunction Power System, powered by a Cat® Industrial Diesel Tier 4F Engine, includes everything needed for safe operations on any jobsite in a single compact system. Components include: air compressor, generator, welder, booster/charger, PTO with hydraulic pump, and cold climate kit. With noise reduction panels, low and high idle controls and Standby Mode, operators can safely communicate while working without disturbing the jobsite or the neighbors.

EASY OPERATION & SWITCHING BETWEEN SYSTEMS

The VMAC Multifunction Power System allows operators to seamlessly switch between operations, without the hassle of complicated controls or maneuvering multiple machines on the jobsite. This means more time working, improving productivity and getting customers back to work faster. It is designed for ease of use, to run efficiently with only one operator.

SAVE TRUCK MAINTENANCE & FUEL COSTS

The VMAC Multifunction Power System reduces truck maintenance and improves fuel economy by allowing operators to turn their truck engine off while on the jobsite. Also, by reducing vehicle weight by up to 140 lb, automatically idling the Cat® engine up/down with air demand and turning the Cat® engine off/on with air demand, the VMAC Multifunction Power System allows operators to carry more tools or equipment or improve fuel economy.



GENERATOR/WELDER CONTROL BOX
 GENSET Voltage Meter & Selector;
 Welding Current Control & ARC Force;
 Socket for Optional Remote Welding Control



CONTROL/DIGITAL DISPLAY BOX
 Remote mounted; electronic key switch; selector switches for
 PTO/GENSET/COMPRESSOR; LCD for compressor on/off
 controls, observing system status and adjusting parameters



COMPRESSOR AIR FILTER

BATTERY

Included ACDelco 12V, 460 CCA, 575 CA

VMAC AIR COMPRESSOR

Oil-injected rotary screw; belt-driven;
 45 CFM @ 100 psi, 100% duty cycle; Up to 175 psi

**AC/DC GENERATOR/WELDER/
 BATTERY CHARGER/BOOSTER**

AC: 8kW continuous output;

1 x 30A, 240V, 60Hz 3 phase circuit;

2 x 20A, 120V, 60Hz single phase circuit;

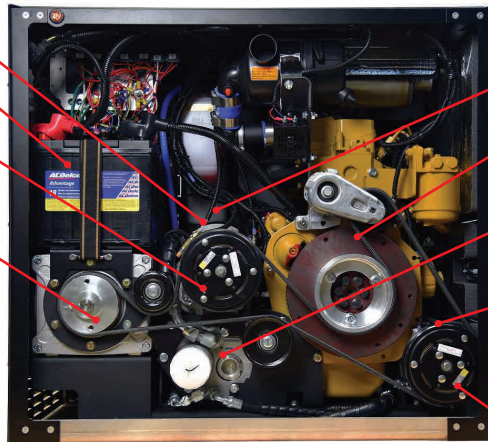
DC: For battery boosting/charging; other DC loads

Boost - 300A max @ 13V;

Charge - 12V, 24V, 36V, 48V

CC mode for SMAW and GTAW (stick/TIG welding)

250A @ 35% duty cycle; 190A @ 60% duty cycle



COMPRESSOR COALESCING FILTER

Cat® C1.1 INDUSTRIAL DIESEL ENGINE

Inline 3, 4-Stroke; Naturally Aspirated; Tier 4 Final

AIR/OIL SEPARATOR TANK

Separates compressor oil from compressed air

HYDRAULIC PUMP (Optional)

5 GPM @ 3500 psi (max)

8 GPM @ 3500 psi (max)


10 GPM @ 3500 psi (max)

Or choose your own

PTO PORT

Clutched SAE 'A' port w/ 9-toothed spline,
 2800 RPM output, 35ft-lbs continuous torque max
 (Patented)

SPECIFICATIONS

Air Compressor Output	45 CFM @ 100 psi (175 psi max)
Air Compressor Type	Belt-driven, 100% duty cycle, VMAC oil-injected rotary screw
Engine	 Cat® C1.1 industrial diesel engine, Tier 4 final; Inline 3, 4-Stroke; Naturally Aspirated (Extended oil change interval, 500 hr/1 yr)
Weight (dry)	6-in-1 - Approximately 710 lb (322 kg) (excluding optional fuel tank)
Dimensions	<ul style="list-style-type: none"> > 34.8" (l) x 24.8" (w)* x 31.3" (h); 88.4 cm (l) x 63 cm (w) x 79.5 cm (h) > Mounting Plate: 34.5" (l) x 19.5" (w); 87.6 cm (l) x 49.5 cm (w) *24.8" (63 cm) w/o radiator sound deflector; 29.75" (75.6 cm) w/ radiator sound deflector
Decibels (dB) @ 21 feet (6.4 m)	74.25 dB at high idle, 69.75 dB at low idle, 0 dB in Standby Mode
AC/DC Generator/Welder	<ul style="list-style-type: none"> > AC: 8kW continuous output > 1 x 30A, 240V, 60Hz 3 phase circuit (w/wo receptacles) > 2 x 20A, 120V, 60Hz single phase circuit (w/wo receptacles) > DC: For battery boosting/jump starting, other DC loads > Boost - 300A max @ 13V; Charge - 12V, 24V, 36V, 48V > CC mode for SMAW and GTAW (stick/TIG welding) > 250A @ 35% duty cycle; 190A @ 60% duty cycle
PTO Port	Clutched SAE 'A' port w/ 9-toothed spline, 2800 RPM output, 35ft-lbs continuous torque max (Patented)
Hydraulic Pump (Optional)	<ul style="list-style-type: none"> > 5 GPM @ 3500 psi (max) > 8 GPM @ 3500 psi (max) > 10 GPM @ 3500 psi (max) > Or choose your own
Fuel Supply Options	<ul style="list-style-type: none"> > 7-Gallon tank with fuel gauge and low fuel shut-off sensor > External Diesel Fuel Pump Kit
Air Receiver Tank <small>(recommended but not included)</small>	Minimum 10-Gallon air receiver tank - Recommended for proper operation of all functions
Control System	<ul style="list-style-type: none"> > Easy to use digital control system with adjustable parameters > Remote mounted generator/welder and compressor control panel > Any one function or all can be selected at any time > 2-speed throttle control, responds to air demand > Separate selector switches engage compressor, generator and PTO > With compressor-only selected, and sustained periods of no air use, the control system will shut down the engine > Engine auto-restarts on air demand > With any other function selected, the engine will not shut down automatically
Cold Climate Features	<ul style="list-style-type: none"> > Engine and compressor will wait until the temperatures are above 41°F (5°C) before loading and going into a running state > Engine will automatically restart when system temperature falls below 23°F (-5°C); small heat strip included in LCD Digital Control Box > ESPAR heater connections; in/out ports for ESPAR heater integration > Optional 1750W power inverter allows cold climate kit to engage on the way to the jobsite > Battery jump start connections are recommended to be tied into the truck batteries in locations where extreme cold is expected, not necessary in mild climates
Warranty	<ul style="list-style-type: none"> > Two years on all major components; VMAC air-ends are covered by VMAC's Lifetime Limited Warranty > Cat® engine is covered by the Caterpillar® 2-year Limited Warranty

VMAC DEALER INFORMATION:

VMAC
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