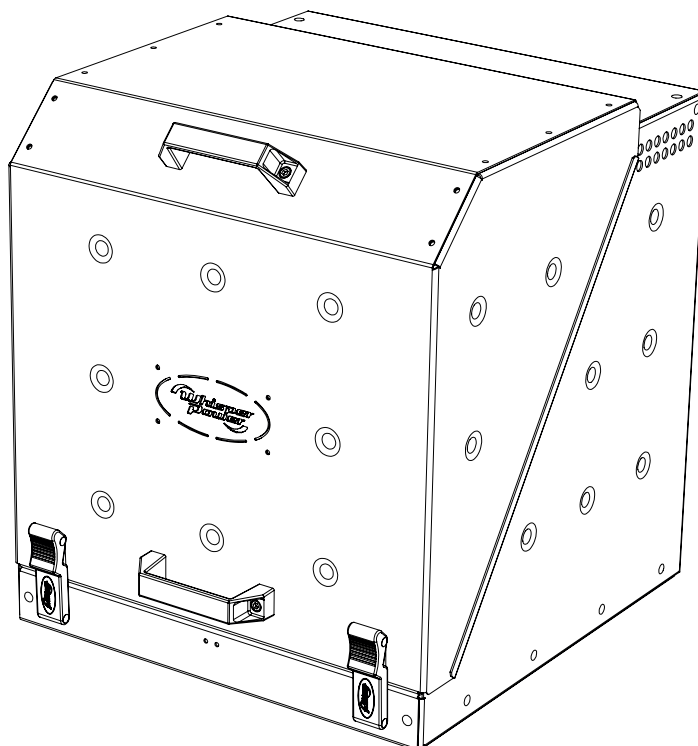




## AC Series - Fixed RPM

# W-GV 4 Scalino Outdoor Stage V

**Phase:** 1 Phase 230 V / 120 V | **Hertz:** 50 HZ / 60 Hz | Outdoor Generator



## Generator Weights and Dimensions

General specification	Without Sound Shield	With Sound Shield
Weight kg (lb.) Wet	58 (128)	75 (165.4)
Weight kg (lb.) Dry	55 (121)	73 (161)
Length mm (in.)	377 (14.8)	451 (17.75)
Width mm (in.)	356 (14)	450 (17.7)
Height mm (in.)	485 (19)	510 (20)

## Generator Power Output Specifications

Power Output	
Continuous power Kva at 25°C (77°C)	3.4
Continuous power kW at 25°C (77°C)	3.0

## Engine Features

### (model WP1-E5)

- Diesel fueled
- This machine complies with EU emissions Stage V (non-road diesel engines)
- One cylinder
- Four stroke
- Closed cooling system
- Cooling Oil heat exchanger
- Electric fuel lift pump
- Lifting eye

## Benefits

- Silent, lowest audible noise
- Easy to install, plug and play connections

## Generator Features

- Outer rotor permanent magnet generator backend
- Efficiency 94%
- Class F insulation
- Air cooled
- Engine and generator are thermally separated from each other

WhisperPower reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local WhisperPower distributor for availability.



## AC Series - Fixed RPM

# W-GV 4 Scalino Outdoor Stage V

## Application Data 1

### Generator Engine

Engine Specifications	
Type	WP1-E5
Cylinder. quantity	1
Displacement, L (cu. In.)	0.32 (19.5)
Bore, mm (in.)	78 (3)
Stroke, mm (in.)	67 (2.6)
Combustion system	DI
Nominal speed. rpm	3600
Net Cont. power at rated rpm, kW (pk)	3.0 (4.09)
Governor type	Mechanical
Angular operation continuous	25o
Combustion air consumption	0.42 m3/min
Exhaust type	Catalysator
Engine Electrical System	
Battery, voltage (V)	12
Battery, charging module (A)	Charged by PMG
Battery, minimum recommendation (Ah)	55-90
Starter motor (V) (kW)	12 / 0.8
Cooling System	
Capacity, L, approx.	4.0
Heat extraction	Radiator
Fuel System	
Fuel shut off solenoid	Electrical (ETS)
Fuel injection pump	In-Line pump
Fuel lift pump	Magneti Marelli
Lubrication System	
Oil pump type	Pressure
Oil pan capacity with filter, L (gal.)	2.0 (0.53)

### Operation

Operation Requirements	50Hz
Engine Speed RPM	3600
Air requirements, m <sup>3</sup> /hour 3600 rpm	21
Max. air intake restriction, kPa	1.8
Exhaust temp. At full load. oC	500
Max. allowed exhaust pressure, kPa	5.9
Fuel Consumption g/kWh	
100% load	280

### Other Specifications

Exhaust mobile ø size	1" thread
Cooling Oil hose conn.	M16x1.5
Battery cable	16mm <sup>2</sup>
Connection communication	Dig IO / WhisperConnect
Sound level (at 7 mtr.)	57.3 dBa
Sound level (at 1 mtr.)	75.3 dBa

### Generator Power Ratings at 25°C (77°F)

Model Alternator	Ph	Rpm	Voltage	Amps	kVA/kW	Hz
3 phase AC permanent outer rotor magnet	3	3600	393	7.35	3.4/3.0	400

### Harmonic Distortion < 5%

Configuration	Internal star connection, 3 output wire leads
Efficiency	92% - 96%

### Engine Features

- Low oil pressure shutdown
- High and Low oil pressure shutdown
- High engine temperature shutdown
- Low vibration shock mounts
- Oil drain plug

### Alternator Features

- Brushless. rotating field design permits power to be obtained from stationary leads.
- Windings are impregnated with epoxy varnish for dependability and long life.
- Rotors are dynamically balanced to minimize vibration.

- Copper windings ensure minimal heat build-up.
- Insulation meets NEMA standards for class F insulation.

### General Conditions

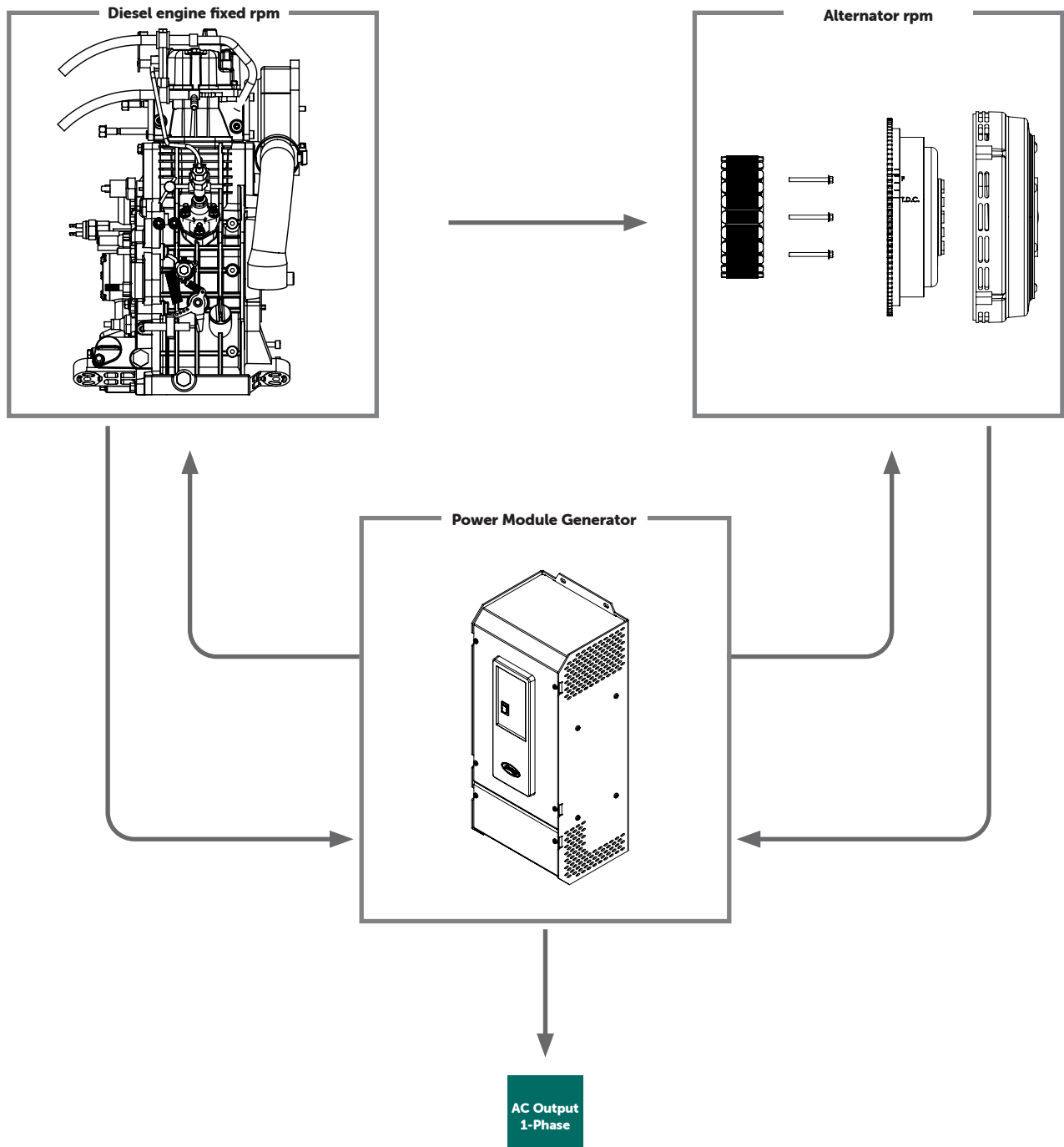
- Ventilated environment required
- Operating temperature of -10 °C / + 40 °C derating to zero at 65 °C
- Storage temperature of -20 °C / +70 °C
- Relative humidity in operations / storage of max 95% RH, no-condensing



## AC Series - Fixed RPM

# W-GV 4 Scalino Outdoor Stage V

### Application Data 2 | PMG Configuration

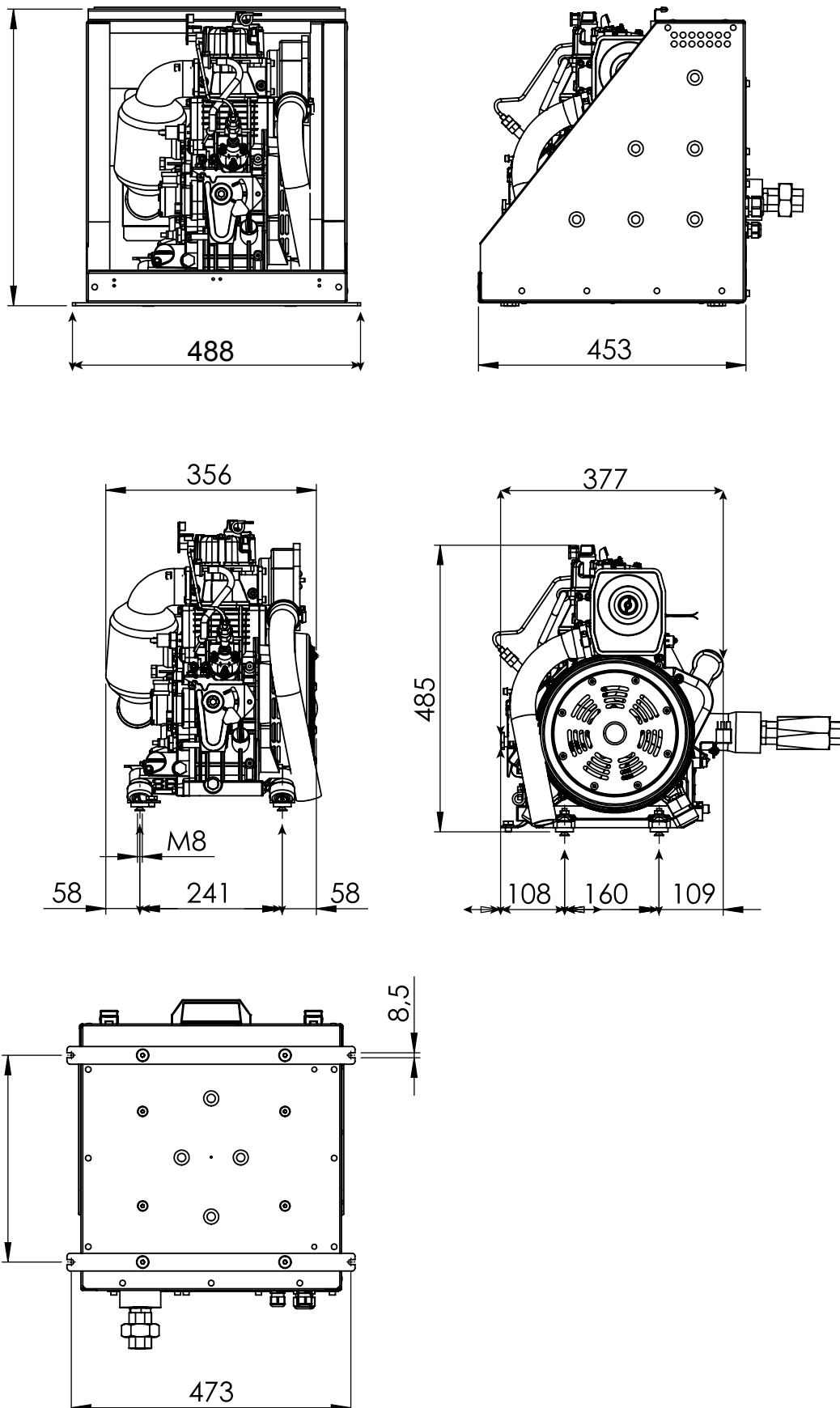




## AC Series - Fixed RPM

# W-GV 4 Scalino Outdoor Stage V

Drawing 1





## AC Series - Fixed RPM

# W-GV 4 Scalino Outdoor Stage V

## Drawing 2

