



# VMAN GENERATOR SET PRODUCTS - 2024

One stop power solution supplier

# WHO WE ARE

Established in 2007, VMAN ENGINE is an “all in one” power generation solutions provider based in China.

We start our business of G-Drive engine range from 62kW to 1000kW, as an professional engine maker, we import modern technology and established our own engine brand “VMAN”.

We export diesel engine over more than 42 countries, we specialize in the manufacturing and servicing of generators, fully custom-designed generator sets are offered to meet

clients’ diverse requirements and stringent international specifications.

Headquartered in Shanghai, China, VMAN Engine capitalizes on our founders’ 15 years of experience and expertise in the power generation industry.

We set our new branch Company in Singapore as our Asia-Pacific region.

We are partners with renowned brands and are growing in local and international markets.

## STRONG VALUES & FUTURE FORWARD VISIONS

We attribute our success to a combination of factors: premium products, personalized and highly responsive services as well as our dedication to offering the best to clients. With our firmly held-values to guide our business and brand, we believe that we can achieve even greater success in years to come.

**Reliability:** We ensure products and services are delivered to meet high standards of quality within a solid timeframe.

**Integrity:** We believe that trustworthiness and open communication are the key to building excellent partnerships with clients. We are dedicated to constantly improving ourselves and thus give the best to our customers.

**Responsiveness:** Clients are always prioritized. We make sure that every enquiry and issue are resolved as efficiently as possible through proactive solutions, personalized services and fast response time.

**Independence:** We strive towards being the best total power solutions provides in the country, capitalizing on our practical and autonomous business approach as well as our in-depth knowledge of local industries.

# HISTORY

**2007-2008**

► **Importing technology & Drawing interpretation**

Part drawing, assemble drawing, machine drawing, QA system, etc

**2008  
2009**

► **Learning & Training**

5 times staff training abroad  
4 times professor to our factory for guidance

**From  
2009**

► **CKD & CBU Diesel engines**

Getting aptitude of assembling CKD diesel engine, Match up CBU&CKD diesel engines with Customers

**2009  
-2014**

► **Build new factory in Shanghai**

Realize home manufacture and finish all series of V6 V8 V12 V16 engine and get excellent feedback of customers

**From  
2015**

► **Starting international trading business**

Now had export Korea, Taiwan, Indonesia, Algeria, Russia, Pakistan, Malaysia, UAE, Vietnam, Poland, Albania, Argentina and other countries.

**2019  
-2021**

► **Building New Branch factory**

In ChangZhou City, Extend more power range products C series and CE series, power range from 62kW to 1000kW.



*New branch factory in ChangZhou City*

# BESPOKE PRODUCTS & SOLUTIONS

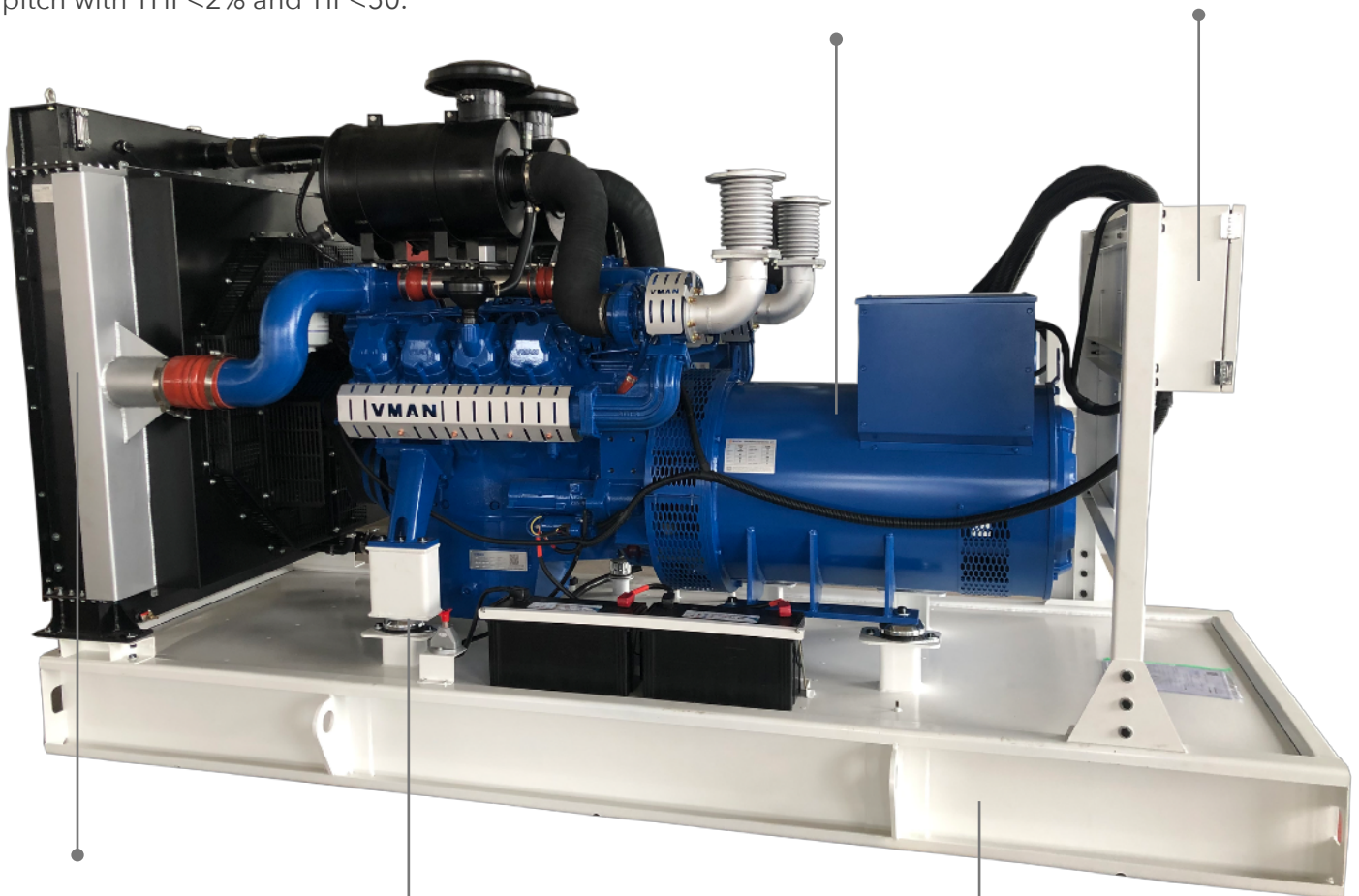
VMAN company offers reliable, innovative and quality power generation sets and solutions to meet specific requirements of our clients' projects

## GENERATOR/ALTERNATOR

Advanced self-exciting, self-regulating brushless dependable life. Features include fully interconnected damper windings, cooling systems, sealed bearings, Class H insulation and 2/3 pitch with THF<2% and TIF<50.

## CONTROL PANELS

Standard control panel is fully equipped with all necessary engine gauges, AC meters and warnings.



Cooling systems, designed to optimize power up to 50 ambient temperature

VIBRATION ISOLATORS  
Rubber pad anti-vibration mountings isolate tank base skid from engine / Alternator assembly

TANK BASE  
Tank base incorporates enhanced lifting and mounting points.

**VMAN** company offers reliable,  
innovative and quality power  
generation sets and solutions to meet  
specific requirements of our clients'  
projects

## COMPACT SERIES

GENERATOR POWER RANGE : 25 KVA - 275 KVA

## CELEBRITY SERIES

GENERATOR POWER RANGE : 325 KVA - 455 KVA

## VICTORY SERIES

GENERATOR POWER RANGE : 410 KVA - 1000 KVA

## Specification and options

		Compact Series	Celebrity series	Victory Series
Engine	4-stroke water cooled diesel engine	•	•	•
	Mechanical governor	▼	X	▼
	Electronic governor	•	X	•
	ECU controller	X	•	X
	Air intake heater or glow plug	▼	•	▼
	Manual lub Fuel drain pump	▼	▼	▼
	Coolant drain extended to edge of baseframe	▼	▼	▼
	Standard air filter	•	•	•
	Medium duty air filter	▼	▼	▼
	Fuel filter and water separator	•	•	•
	Exhaust manifold guard	•	•	•
	Coolant heater	▼	▼	▼
	Automatic lub oil refill system	▼	▼	▼
Radiator	Engine driven radiator	•	•	•
	Fan guards	•	•	•
	Coolant drain valve	•	•	•
Alternator	Single bearing alternator	•	•	•
	Class H insulation system and Class H temperature rise (LV)	•	•	•
	IP23 Protection	•	•	•
	Automatic Voltage regular with 0.5% voltage regulation	•	•	•
	Anti condensation heater	▼	▼	▼
	Quadrature droop kit	▼	▼	▼
	Air inlet filter	▼	▼	▼
	Thermistor probes and control box	▼	▼	▼
General	Powder coated fabricated steel baseframe	•	•	•
	Built in anti-vibration mountings	•	•	•
	Crane and fork lifting points depending on model	•	•	•
	Operation and maintenance manual	•	•	•
	Output 3 pole circuit breaker	•	•	•
	Test report	•	•	•
	Control Panel	•	•	•
Exhaust	Industrial 15dBa reduction silencer supplied loose	•	•	•
	Residential 24dBa reduction silencer supplied loose	▼	▼	▼
	Critical 35dBa reduction silencer supplied loose	▼	▼	▼
	Flexible bellows supplied loose	•	•	•
	Set on connection flangers for silencer/bellows	•	•	•
Starting	24VDC electric starter motor	•	•	•
	Battery charging alternator	•	•	•
	Engine starting battery with cables and battery tray	•	•	•
	Wet type batteries instead of dry (not available with sea freight)	▼	▼	▼
Fuel	Integral single skin fuel tank within baseframe	•	•	•
	Flexible fuel feed and return lines	•	•	•
	Low fuel level sensor	▼	▼	▼
	Fuel level meter	▼	▼	▼

- Standard Equipment    ▼ Available as an option    X Not available
- Fuel tank as option when generator power above 500kW

# GSV-C-28/41/55 @50/60Hz

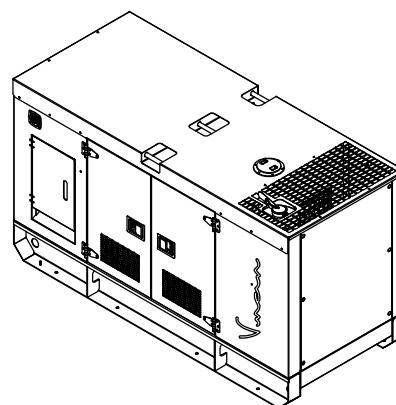
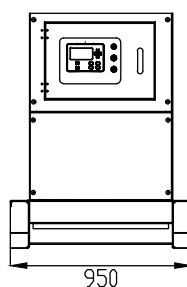
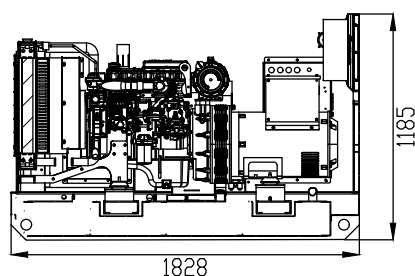
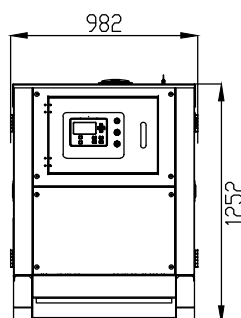
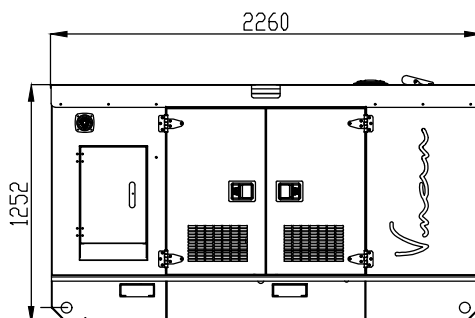
## Product Specification

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-C-28 F	50Hz/1500RPM	28	25
GSV-C-41 F		41	38
GSV-C-55 F		55	50
GSV-C-28 S	60Hz/1800RPM	28	25
GSV-C-41 S		41	38
GSV-C-55 S		55	50



### General Characteristics

Model	GSV-C-28 F	GSV-C-41 F	GSV-C-55 F	GSV-C-28 S	GSV-C-41 S	GSV-C-55 S
Engine	C03A2	C03A1	C03A	C03B2	C03B1	C03B
Alternator	VA27.5-H	VA37.5-H	VA50-H	VA27.5-H	VA37.5-H	VA50-H
Speed Control Type	GAC-DPG100					
Phase	3					
System Voltage	12					
Frequency	50Hz			60Hz		
Engine Sped (RPM)	1500rpm			1800rpm		
Controller Model	ComAp AMF20 or DEEPSEA DSE4520					
Fuel Consumption at rated condition	6.3	9.8	11.8	6.3	9.8	11.8
Noise Of Open Type (LP7m)						
Noise Of Silent Type (LP7m)	<64 dB(A) @7mt					
Dimension Of Open Type (L x W x H )	1828mm x 950mm x1185mm					
Net Weigh Of Open Type	1180kg					
Dimension Of Silent Type (L x W x H )	2260mm x 982mm x 1252mm					
Net Weigh Of Silent Type	1320kg					
Fuel Tank Capacity	185L					



- ◆ Drawings just for reference , specific drawing for different type please contact with us.
- ◆ Info@vman-engine.com

Engine Specification						
Engine Model	C03A2	C03A1	C03A	C03B2	C03B1	C03B
Engine Type	4-Cylinder					
	Naturally	Turbo	Turbo	Naturally	Turbo	Turbo
Prime power ( kW/Ps )	25/34	40/54	50/67	25/34	40/54	50/67
Standby power ( kW/Ps )	28/38	44/60	55/74	28/38	44/60	55/74
Continuous power ( kW/Ps )	23/31	35/48	45/60	23/31	35/48	45/60
Speed	1500 rpm			1800 rpm		
Compression ratio	17.5 :1					
Displacement	2.5L					
Bore x stroke	89x100 mm					
Piston speed	5 m/s			6 m/s		
Combustion Air Consumption (m³/h)	167	250	316	167	250	316
Max.Exhaust Temp.(After Turbo°C)	650	600	600	650	600	600
Exhaust Gas Flow (m³/h)	501	643	812	501	643	812
Injection timing	14°BTDC	10°BTDC		14°BTDC	10°BTDC	
Dry weight {W/O cooling system}	230kg	240kg	250kg	230kg	240kg	250kg
Dimension {L x W x H}	850x541x730mm					
Flywheel housing	SAE 4 #					
Flywheel	7.5					
Number of teeth on flywheel	117					
Exhaust Gas Flow (m³/h)	501.0	643.0	812.0	501.0	643.0	812.0
Fuel Consumption - 110% load (l/h)	6.9	10.7	12.5	6.9	10.7	12.5
- 100% load (l/h)	6.3	9.8	11.8	6.3	9.8	11.8
- 75% load (l/h)	4.7	7.3	8.8	4.7	7.3	8.8
- 50% load (l/h)	3.1	4.9	5.9	3.1	4.9	5.9

Model		GSV-C-28 F	GSV-C-41 F	GSV-C- 55 F	GSV-C-28 S	GSV-C-41 S	GSV-C-55 S
Cooling System	Coolant capacity	15L					
	Thermostat Open Temperature	80 °C					
	Max.Permissible Temperature	96 °C					
	Max.Coolant Shutdown Temperature	99 °C					
Fuel System	Governor	GAC-DPG100					
	Maximum fuel inlet restriction	100 kPa					
	Maximum fuel return restriction	100 kPa					
	Fuel pump opening pressure	24 MPa					
Lubricating System	Low idle (kPA)	100					
	Rate speed (kPA)	200					
	Max.oil temperature permitted in oil pan	120 °C					
	Lubrication system Min.capacity (L)	7L					
Exhaust	Max.Back Pressure (kPA)	10					
Electrical System	Starter (V)	24					
	Charging Alternator Capacity (A)	55			35		

## Alternator Specification

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	$\leq \pm 0.5$
Frequency fluctuation rate (%)	$\leq \pm 0.5$
Voltage regulation (%)	$\leq \pm 0.5$
Voltage fluctuation rate (%)	$\leq \pm 0.5$

## Configuration:

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Control System	ComAp AMF20 or DEEPSEA DSE4520
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

## Engine:

Jacket Water Preheater  
Oil Preheater

## Generator Sets:

Tools with the machine

## Fuel System:

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

## Control Panel:

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

## Alternator:

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

## Canopy:

Rental type canopy  
Trailer

## Exhaust System:

Protection board from heat

## Cooling System:

Front heat protection  
Coolant ( - 30°C )

## Lubricating System:

With machine oil

- Available for voltages 400/230V, 480/277V, 380/220V, 440/254V, 415/240V, 220/127V, 208/120V
- All data based on ISO 3046, altitude 100m (328ft), barometric pressure 100kPa (29.53inHg), air temperature 25°C(77°F), relative humidity 30%.
- Please contact with VMAN engineer for correct generator capacity selection when the load application can't meet with the standard reference.
- VMAN diesel generators comply with standards:ISO8528 ,ISO14000 ,ISO3046, GB755,BS5000,VDE0530,IEC34-1

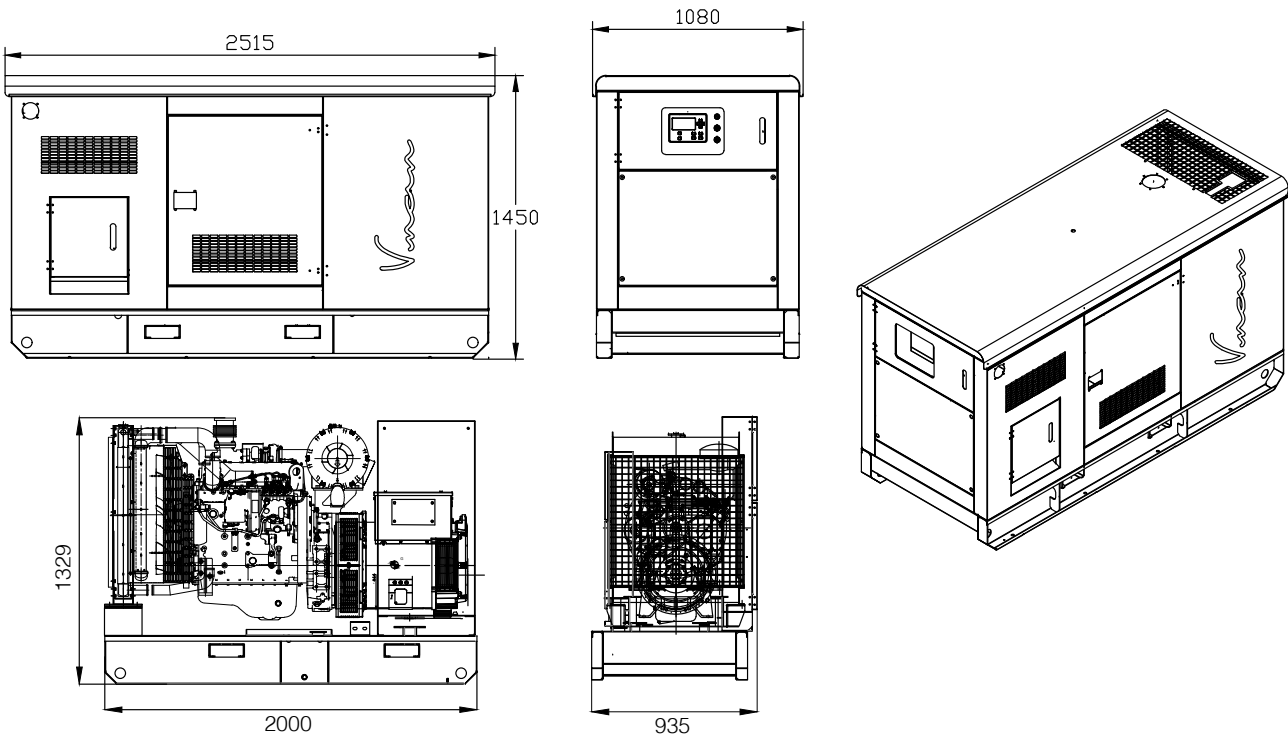
# GSV-C-66/88/@50/60Hz

## Product Specification

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-C-66 F	50Hz/1500RPM	66	60
GSV-C-88 F		88	80
GSV-C-66 S	60Hz/1800RPM	66	60
GSV-C-88 S		88	80



General Characteristics				
Model	GSV-C-66 F	GSV-C-88 F	GSV-C-66 S	GSV-C-88 S
Engine	C04A3	C04A2	C04B3	C04B2
Alternator	VA63-H or TAL-A42-H	VA88-H or TAL-A44-C	VA63-H or TAL-A42-G	VA88-H or TAL-A44-C
Speed Control Type	VMAN DSC100-07			
Phase	3			
System Voltage	12 or 24			
Frequency	50Hz		60Hz	
Engine Sped (RPM)	1500rpm		1800rpm	
Controller Model	Comp AMF20 or DEESEA DSE4520			
Fuel Consumption at rated condition	14.2	17.9	14.2	17.9
Noise Of Open Type (LP7m)				
Noise Of Silent Type (LP7m)	<68 dB(A) @7mt			
Dimension Of Open Type (L x W x H )	2000mm x 935mm x 1329mm			
Net Weigh Of Open Type	1850kg			
Dimension Of Silent Type (L x W x H )	2515mm x 1080mm x 1450mm			
Net Weigh Of Silent Type	2050			
Fuel Tank Capacity	388L			



◆ Drawings just for reference , specific drawing for different type please contact with us.  
 ◆ Info@vman-engine.com

Engine Specification				
Engine Model	C04A3	C04A2	C04B3	C04B2
Engine Type	4-Cylinder			
	Turbo charged			
Prime power ( kW/Ps )	62/84	78/106	62/84	78/106
Standby power ( kW/Ps )	68/92	86/117	68/92	86/117
Continuous power ( kW/Ps )	62/84	78/106	62/84	78/106
Speed		1500 rpm		1800 rpm
Compression ratio	17.3:1		17.3:1	
Displacement	4.3L			
Bore x stroke	105x124 mm			
Piston speed	6.2 m/s		7.44 m/s	
Combustion Air Consumption (m³/h)	336		432	
Max.Exhaust Temp.(After Turbo°C)	600		600	
Exhaust Gas Flow (m³/h)	792		1020	
Injection timing	10°BTDC @1500 rpm		10°BTDC @1800 rpm	
Dry weight {W/O cooling system}	460kg			
Dimension {L x W x H}	1018X716X989 mm			
Flywheel housing	SAE 3 #			
Flywheel	11.5			
Number of teeth on flywheel	127			
Exhaust Gas Flow (m³/h)	180.0		216.0	
Fuel Consumption - 110% load (l/h)	15.6	19.7	15.6	19.7
- 100% load (l/h)	14.2	17.9	14.2	17.9
- 75% load (l/h)	10.7	13.4	10.7	13.4
- 50% load (l/h)	7.1	8.9	7.1	8.9

Model		GSV-C-66 F	GSV-C-88 F	GSV-C-66 S	GSV-C-88 S
Cooling System	Coolant capacity	15L			
	Thermostat Open Temperature	82°C			
	Max.Permissible Temperature	90 °C			
	Max.Coolant Shutdown Temperature	99 °C			
Fuel System	Governor	VMAN DSC100-07			
	Maximum fuel inlet restriction	25 kPa			
	Maximum fuel return restriction	54 kPa			
	Fuel pump opening pressure	25 MPa			
Lubricating System	Low idle (kPA)	70			
	Rate speed (kPA)	200			
	Max.oil temperature permitted in oil pan (°C)	115 °C			
	Lubrication system Min.capacity (L)	13L			
Exhaust	Max.Back Pressure (kPA)	<10			
Electrical System	Starter (V)	24			
	Charging Alternator Capacity (A)	35			

## Alternator Specification

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	$\leq \pm 0.5$
Frequency fluctuation rate (%)	$\leq \pm 0.5$
Voltage regulation (%)	$\leq \pm 0.5$
Voltage fluctuation rate (%)	$\leq \pm 0.5$

## Configuration:

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Control System	ComAp AMF20 or DEEPSEA DSE4520
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

## Engine:

Jacket Water Preheater  
Oil Preheater

## Generator Sets:

Tools with the machine

## Fuel System:

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

## Control Panel:

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

## Alternator:

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

## Canopy:

Rental type canopy  
Trailer

## Exhaust System:

Protection board from heat

## Cooling System:

Front heat protection  
Coolant ( - 30°C )

## Lubricating System:

With machine oil

- Available for voltages 400/230V, 480/277V, 380/220V, 440/254V, 415/240V, 220/127V, 208/120V
- All data based on ISO 3046, altitude 100m (328ft), barometric pressure 100kPa (29.53inHg), air temperature 25°C(77°F), relative humidity 30%.
- Please contact with VMAN engineer for correct generator capacity selection when the load application can't meet with the standard reference.
- VMAN diesel generators comply with standards:ISO8528 ,ISO14000 ,ISO3046, GB755,BS5000,VDE0530,IEC34-1

# GSV-C-110/138 @50/60Hz

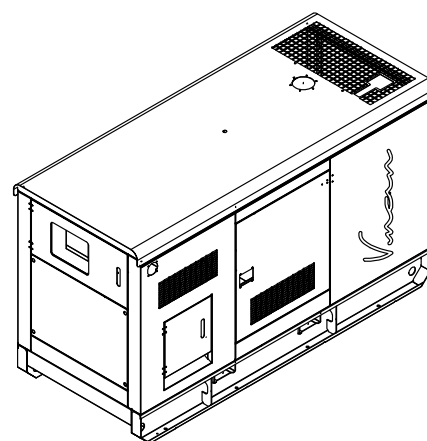
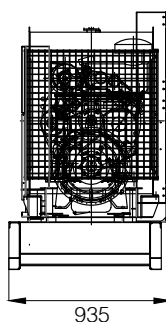
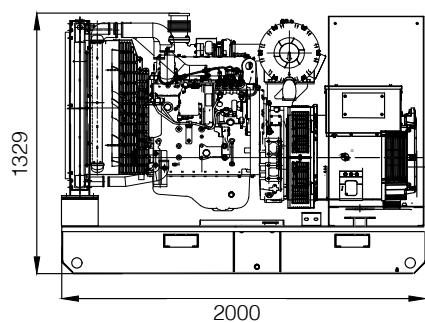
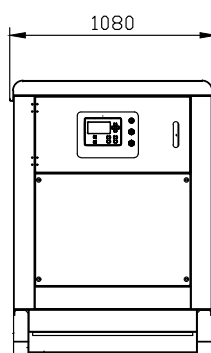
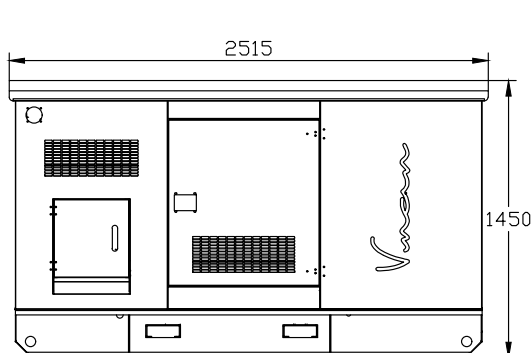
## Product Specification

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-C-110 F	50Hz/1500RPM	110	100
GSV-C-138 F		138	125
GSV-C-110 S	60Hz/1800RPM	110	100
GSV-C-138 S		138	125



### General Characteristics

Model	GSV-C-110 F	GSV-C-138 F	GSV-C-110 S	GSV-C-138 S
Engine	C04A1	C04A	C04B1	C04B
Alternator	VA100-H or TAL-A44-D	VA125-H or TAL-A44-E	VA100-H or TAL-A44-C	VA125-H or TAL-A44-F
Speed Control Type	VMAN DSC100-07			
Phase	3			
System Voltage	12 or 24			
Frequency	50Hz		60Hz	
Engine Sped (RPM)	1500rpm		1800rpm	
Controller Model				
Fuel Consumption at rated condition	24.1	27.5	24.1	27.5
Noise Of Open Type (LP7m)				
Noise Of Silent Type (LP7m)	<68 dB(A) @7mt			
Dimension Of Open Type (L x W x H )	2000mm x 935mm x 1329mm			
Net Weigh Of Open Type	1880kg			
Dimension Of Silent Type (L x W x H )	2515mm x 1080mm x 1450mm			
Net Weigh Of Silent Type	2080			
Fuel Tank Capacity	388L			



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- ◆ Info@vman-engine.com

Engine Specification				
Engine Model	C04A1	C04A	C04B1	C04B
Engine Type	4-Cylinder			
	Turbo charged & Intercooled (air to air)			
Prime power ( kW/Ps )	105/143	120/163	105/143	120/163
Standby power ( kW/Ps )	115/156	132/180	115/156	132/180
Continuous power ( kW/Ps )	105/143	120/163	105/143	120/163
Speed	1500 rpm		1800 rpm	
Compression ratio	16:1		16:1	
Displacement	4.3L			
Bore x stroke	105x124 mm			
Piston speed	6.2 m/s		7.44 m/s	
Combustion Air Consumption (m³/h)	480		600	
Max.Exhaust Temp.(After Turbo°C)	600		600	
Exhaust Gas Flow (m³/h)	1146		1404	
Injection timing	10°BTDC @1500 rpm		10°BTDC @1800 rpm	
Dry weight {W/O cooling system}	460kg			
Dimension {L x W x H}	1123X760X1010 mm			
Flywheel housing	SAE 3 #			
Flywheel	11.5			
Number of teeth on flywheel	127			
Exhaust Gas Flow (m³/h)	210.0		252.0	
Fuel Consumption - 110% load (l/h)	26.4	30.3	26.4	30.3
- 100% load (l/h)	24.1	27.5	24.1	27.5
- 75% load (l/h)	18.1	20.6	18.1	20.6
- 50% load (l/h)	12.0	13.8	12.0	13.8

Model		GSV-C-110 F	GSV-C-138 F	GSV-C-110 S	GSV-C-138 S
Cooling System	Coolant capacity	15L			
	Thermostat Open Temperature	82°C			
	Max.Permissible Temperature	87 °C			
	Max.Coolant Shutdown Temperature	99 °C			
Fuel System	Governor	VMAN DSC100-07			
	Maximum fuel inlet restriction	25 kPa			
	Maximum fuel return restriction	54 kPa			
	Fuel pump opening pressure	25 MPa			
Lubricating System	Low idle (kPA)	70			
	Rate speed (kPA)	200			
	Max.oil temperature permitted in oil pan (°C)	115 °C			
	Lubrication system Min.capacity (L)	13L			
Exhaust	Max.Back Pressure (kPa)	<10			
Electrical System	Starter (V)	24			
	Charging Alternator Capacity (A)	35			

**Alternator Specification**

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	$\leq \pm 0.5$
Frequency fluctuation rate (%)	$\leq \pm 0.5$
Voltage regulation (%)	$\leq \pm 0.5$
Voltage fluctuation rate (%)	$\leq \pm 0.5$

**Configuration:**

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Control System	ComAp AMF20 or DEEPSEA DSE4520
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

**Engine:**

Jacket Water Preheater  
Oil Preheater

**Generator Sets:**

Tools with the machine

**Fuel System:**

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

**Control Panel:**

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

**Alternator:**

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

**Canopy:**

Rental type canopy  
Trailer

**Exhaust System:**

Protection board from heat

**Cooling System:**

Front heat protection  
Coolant ( - 30°C )

**Lubricating System:**

With machine oil

- Available for voltages 400/230V, 480/277V, 380/220V, 440/254V, 415/240V, 220/127V, 208/120V
- All data based on ISO 3046, altitude 100m (328ft), barometric pressure 100kPa (29.53inHg), air temperature 25°C(77°F), relative humidity 30%.
- Please contact with VMAN engineer for correct generator capacity selection when the load application can't meet with the standard reference.
- VMAN diesel generators comply with standards:ISO8528 ,ISO14000 ,ISO3046, GB755,BS5000,VDE0530,IEC34-1

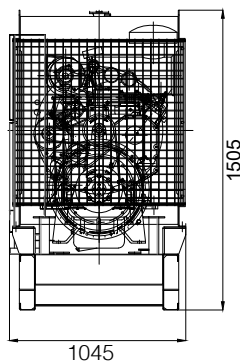
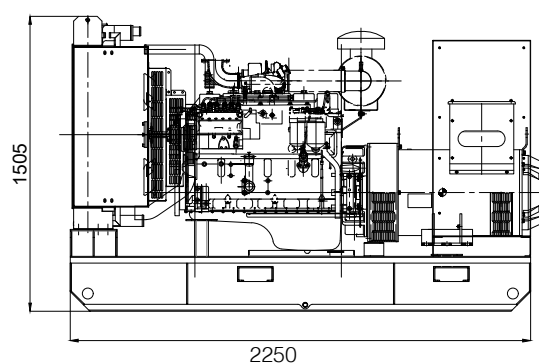
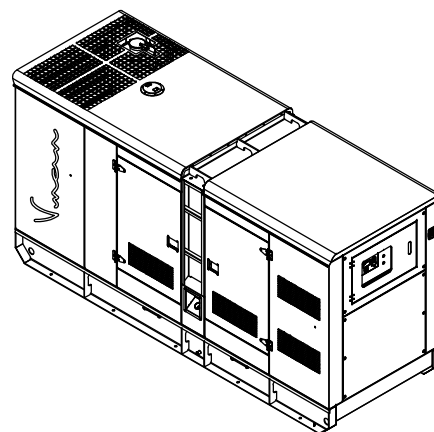
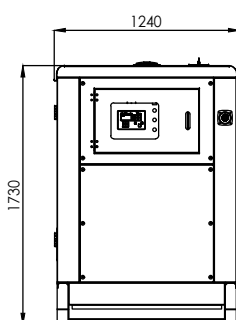
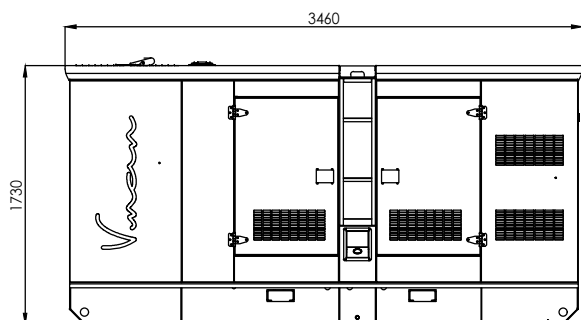
# GSV-C-180/200@50Hz

# GSV-C-185/220@60Hz

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-C-180 F	50Hz/1500RPM	180	165
GSV-C-200 F		200	180
GSV-C-185 S	60Hz/1800RPM	185	170
GSV-C-220 S		220	200



General Characteristics				
Model	GSV-C-180 F	GSV-C-200 F	GSV-C-185 S	GSV-C-220 S
Engine	C07A1	C07A	C07B1	C07B
Alternator	VA188-H or TAL-A44-K	VA188-H or TAL-A44-L	VA156-H or TAL-A44-J	VA188-H or TAL-A44-K
Speed Control Type	VMAN DSC100-07			
Phase	3			
System Voltage	24			
Frequency	50Hz		60Hz	
Engine Sped (RPM)	1500rpm		1800rpm	
Controller Model	Comp AMF20 or DEESEA DSE4520			
Fuel Consumption at rated condition	35.9	39.4	35.9	39.4
Noise Of Open Type (LP7m)				
Noise Of Silent Type (LP7m)	<68 dB(A) @7mt			
Dimension Of Open Type (L x W x H )	2250mm x 1045mm x 1505mm			
Net Weigh Of Open Type	1650kg			
Dimension Of Silent Type (L x W x H )	3460mm x 1240mm x 1730mm			
Net Weigh Of Silent Type	2270kg			
Fuel Tank Capacity	445L			



- ◆ Drawings just for reference , specific drawing for different type please contact with us.
- ◆ Info@vman-engine.com

Engine Specification				
Engine Model	C07A1	C07A	C07B1	C07B
Engine Type	6-Cylinder, Turbo charged & intercooled (air to air)			
Prime power ( kW/Ps )	155/211	170/231	160/218	180/244
Standby power ( kW/Ps )	170/231	187/254	175/244	198/269
Continuous power ( kW/Ps )	124/169	135/183	128/174	140/190
Speed	1500 rpm			1800 rpm
Compression ratio	16 :1			
Displacement	6.5L			
Bore x stroke	105 x 124 mm			
Piston speed	6.5 m/s		7.8 m/s	
Combustion Air Consumption (m³/h)	714		882	
Max.Exhaust Temp.(After Turbo°C)	600		600	
Exhaust Gas Flow (m³/h)	1686		2088	
Injection timing	12°±0.5° BTDC @ 1500 rpm		12°±0.5° BTDC @ 1500 rpm	
Dry weight {W/O cooling system}	600kg			
Dimension {L x W x H}	1461x870x1206mm			
Flywheel housing	SAE 3 #			
Flywheel	SAE (11-1/2) #			
Number of teeth on flywheel	127			
Exhaust Gas Flow (m³/h)	1686	1686	2088	2088
Fuel Consumption - 110% load (l/h)	39.4	43.3	43.8	48.2
- 100% load (l/h)	35.9	39.4	39.0	43.8
- 75% load (l/h)	26.9	29.6	29.2	32.9
- 50% load (l/h)	18.0	19.7	19.5	21.9

Model		GSV-C-180 F	GSV-C-200 F	GSV-C-185 S	GSV-C-220 S
Cooling System	Coolant capacity	32L			
	Thermostat Open Temperature	82 °C			
	Max.Permissible Temperature	90 °C			
	Max.Coolant Shutdown Temperature	99 °C			
Fuel System	Governor	VMAN DSC100-07			
	Maximum fuel inlet restriction	25 kPa			
	Maximum fuel return restriction	50 kPa			
	Fuel pump opening pressure	25 MPa			
Lubricating System	Low idle (kPA)	80			
	Rate speed (kPA)	200			
	Max.oil temperature permitted in oil pan (°C)	115			
	Lubrication system Min.capacity (L)	18			
Exhaust	Max.Back Pressure (kPA)	<10			
Electrical System	Starter (V)	24			
	Charging Alternator Capacity (A)	35			

## Alternator Specification

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	$\leq \pm 0.5$
Frequency fluctuation rate (%)	$\leq \pm 0.5$
Voltage regulation (%)	$\leq \pm 0.5$
Voltage fluctuation rate (%)	$\leq \pm 0.5$

## Configuration:

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Control System	ComAp AMF20 or DEEPSEA DSE4520
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

## Engine:

Jacket Water Preheater  
Oil Preheater

## Generator Sets:

Tools with the machine

## Fuel System:

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

## Control Panel:

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

## Alternator:

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

## Canopy:

Rental type canopy  
Trailer

## Exhaust System:

Protection board from heat

## Cooling System:

Front heat protection  
Coolant ( - 30°C )

## Lubricating System:

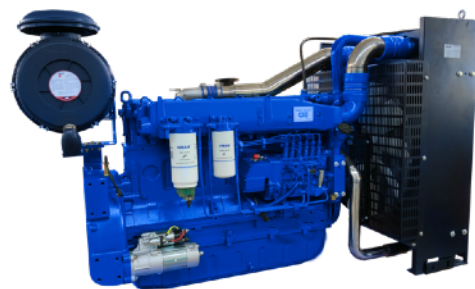
With machine oil

- Available for voltages 400/230V, 480/277V, 380/220V, 440/254V, 415/240V, 220/127V, 208/120V
- All data based on ISO 3046, altitude 100m (328ft), barometric pressure 100kPa (29.53inHg), air temperature 25°C(77°F), relative humidity 30%.
- Please contact with VMAN engineer for correct generator capacity selection when the load application can't meet with the standard reference.
- VMAN diesel generators comply with standards:ISO8528 ,ISO14000 ,ISO3046, GB755,BS5000,VDE0530,IEC34-1

# GSV-C-292@50Hz

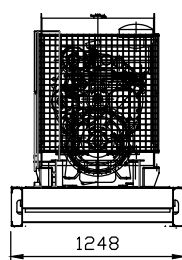
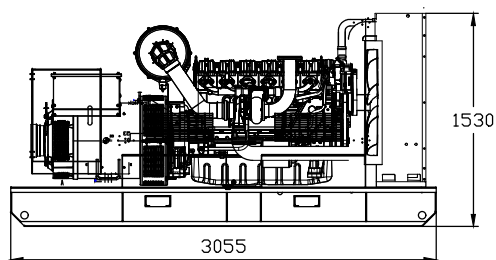
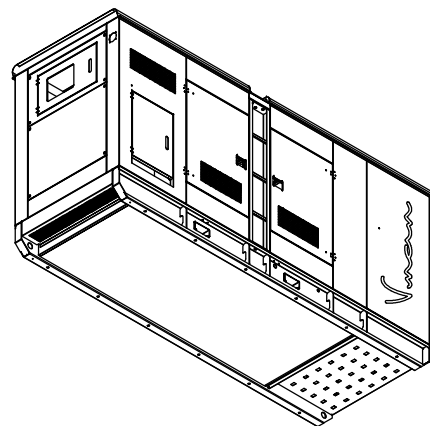
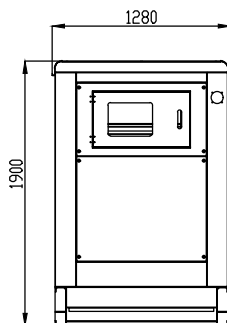
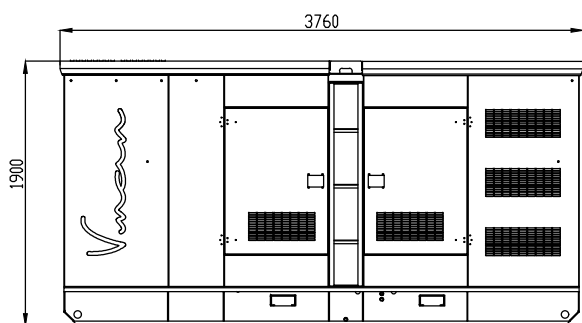
# GSV-C-300@60Hz

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-C-292 F	50Hz/1500RPM	275	265
GSV-C-300 S	60Hz/1800RPM	300	270



## General Characteristics

Model	GSV-C-292 F	GSV-C-300 S
Engine	C10A	C10B
Alternator	VA250-H or TAL-A46-D	VA225-H or TAL-A46-C
Speed Control Type	GAC 5500E	
Phase	3	
System Voltage	24	
Frequency	50Hz	60Hz
Engine Sped (RPM)	1500rpm	1800rpm
Controller Model	ComAp AMF20 or DEESEA DSE6020	
Fuel Consumption at rated condition	57.9	63.7
Noise Of Open Type (LP7m)	<70 dB(A) @7mt	
Noise Of Silent Type (LP7m)		
Dimension Of Open Type (L x W x H )	3055mm x 1248mm x 1530mm	
Net Weigh Of Open Type	2050kg	
Dimension Of Silent Type (L x W x H )	3760mm x 1280mm x 1900mm	
Net Weigh Of Silent Type	2950kg	
Fuel Tank Capacity	500L	



- ◆ Drawings just for reference , specific drawing for different type please contact with us.
- ◆ Info@vman-engine.com

Engine Specification		
Engine Model	C10A	C10B
Engine Type	Line type 6 -Cylinder, Turbo charged & intercooled (air to air)	
Prime power ( kW/Ps )	235/320	245/333
Standby power ( kW/Ps )	258/350	270/367
Continuous power ( kW/Ps )	165/224	172/234
Speed	1500rpm	1800 rpm
Compression ratio	126 x 130 mm	
Displacement	9.726 L	
Bore x stroke	17:1	
Piston speed	6.5 m/s	7.8 m/s
Combustion Air Consumption (m³/h)	1126	1848
Max.Exhaust Temp.(After Turbo°C)	550	550
Exhaust Gas Flow (m³/h)	2216	2850
Injection timing	13.5°±2.5° BTDC @ 1500 rpm	13.5°±2.5° BTDC@ 1800 rpm
Dry weight {W/O cooling system}	1000kg	
Dimension {L x W x H}	1852 x 920 x 1453 mm	
Flywheel housing	SAE 1 #	
Flywheel	14	
Number of teeth on flywheel	127	
Fuel Consumption - 110% load (l/h)	64.5	70.7
- 100% load (l/h)	57.9	63.7
- 75% load (l/h)	41.6	45.8
- 50% load (l/h)	29.8	32.8

Model		GSV-C-292 F	GSV-C-300 S
Cooling System	Coolant capacity	45L	
	Thermostat Open Temperature	71 °C	
	Max.Permissible Temperature	90 °C	
	Max.Coolant Shutdown Temperature	99 °C	
Fuel System	Governor	GAC 5500E	
	Maximum fuel inlet restriction	30 kPa	
	Maximum fuel return restriction	60 kPa	
	Fuel pump opening pressure	28 MPa	
Lubricating System	Low idle (kPa)	98	
	Rate speed (kPa)	294	
	Max.oil temperature permitted in oil pan (°C)	115 °C	
	Lubrication system Min.capacity (L)	24L	
Exhaust	Max.Back Pressure (kPa)	8	
Electrical System	Starter (V)	24	
	Charging Alternator Capacity (A)	45	

Alternator Specification	
Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	$\leq \pm 0.5$
Frequency fluctuation rate (%)	$\leq \pm 0.5$
Voltage regulation (%)	$\leq \pm 0.5$
Voltage fluctuation rate (%)	$\leq \pm 0.5$

Configuration:	
Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

#### Engine:

Jacket Water Preheater  
Oil Preheater

#### Generator Sets:

Tools with the machine

#### Fuel System:

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

#### Control Panel:

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

#### Alternator:

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

#### Canopy:

Rental type canopy  
Trailer

#### Exhaust System:

Protection board from heat

#### Cooling System:

Front heat protection  
Coolant ( - 30°C )

#### Lubricating System:

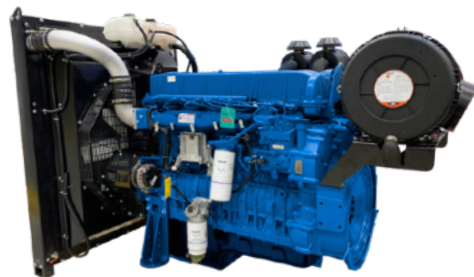
With machine oil

- Available for voltages 400/230V, 480/277V, 380/220V, 440/254V, 415/240V, 220/127V, 208/120V
- All data based on ISO 3046, altitude 100m (328ft), barometric pressure 100kPa (29.53inHg), air temperature 25°C(77°F), relative humidity 30%.
- Please contact with VMAN engineer for correct generator capacity selection when the load application can't meet with the standard reference.
- VMAN diesel generators comply with standards:ISO8528 ,ISO14000 ,ISO3046, GB755,BS5000,VDE0530,IEC34-1

# GSV-CE-350@50Hz

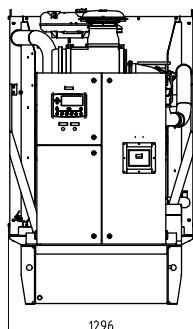
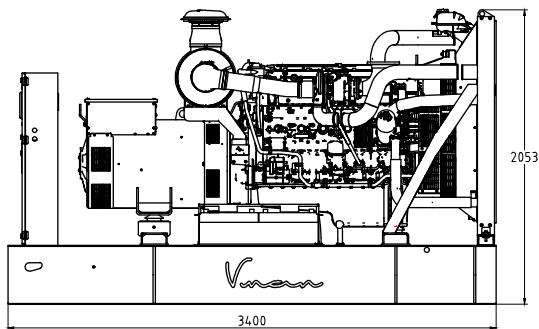
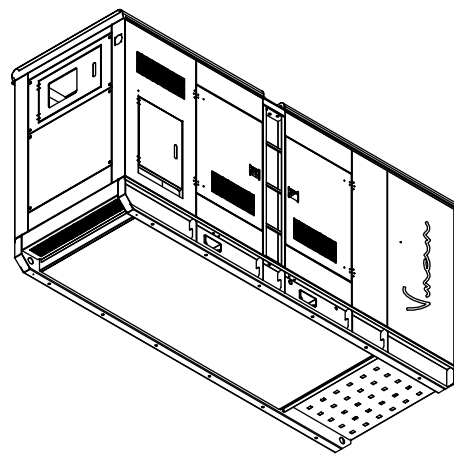
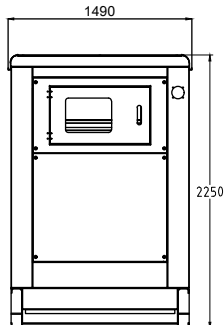
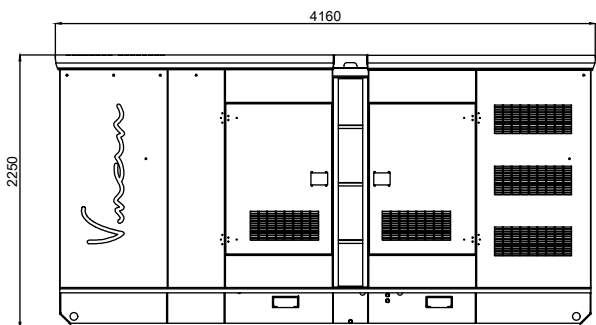
# GSV-CE-385@60Hz

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-CE-350 F	50Hz/1500RPM	350	320
GSV-CE-385 S	60Hz/1800RPM		



## General Characteristics

Model	GSV-CE-350 F	GSV-CE-385 S
Engine	CE10A	CE10B
Alternator	VA325-H or TAL-A46-G	VA250-H or TAL-A46-E
Speed Control Type	Bosch ECU	
Phase	3	
System Voltage	24	
Frequency	50Hz	60Hz
Engine Sped (RPM)	1500rpm	1800rpm
Controller Model	ComAp AMF20 or DEESEA DSE6020	
Fuel Consumption at rated condition	70.6	74.9
Noise Of Open Type (LP7m)	<70 dB(A) @7mt	
Noise Of Silent Type (LP7m)		
Dimension Of Open Type (L x W x H )	3400mm x 1296mm x 2053mm	
Net Weigh Of Open Type	3600kg	
Dimension Of Silent Type (L x W x H )	4160mm x 1490mm x 2250mm	
Net Weigh Of Silent Type	4400kg	
Fuel Tank Capacity	1000L	



- ◆ Drawings just for reference , specific drawing for different type please contact with us.
- ◆ Info@vman-engine.com

Engine Specification		
Engine Model	CE10A	CE10B
Engine Type	Line type 6 -Cylinder, Turbo charged & intercooled (air to air)	
Prime power ( kW/Ps )	295/401	310/422
Standby power ( kW/Ps )	325/442	340/462
Continuous power ( kW/Ps )	262/356	278/378
Speed	1500rpm	1800 rpm
Compression ratio	118 x 150 mm	
Displacement	9.84 L	
Bore x stroke	17:1	
Piston speed	7.5 m/s	9 m/s
Combustion Air Consumption (m³/h)	1350	1512
Max.Exhaust Temp.(After Turbo°C)	590	590
Exhaust Gas Flow (m³/h)	3375	3780
Injection timing	7°±3° BTDC @ 1500 rpm	9°±2.5° BTDC@ 1800 rpm
Dry weight {W/O cooling system}	980kg	
Dimension {L x W x H}	1334 x 825 x 1137 mm	
Flywheel housing	SAE 1 #	
Flywheel	14	
Number of teeth on flywheel	152	
Fuel Consumption - 110% load (l/h)	77.8	82.2
- 100% load (l/h)	70.6	74.9
- 75% load (l/h)	52.9	56.2
- 50% load (l/h)	35.3	37.5

Model		GSV-CE-350 F	GSV-CE-385 S
Cooling System	Coolant capacity	42L	
	Thermostat Open Temperature	85 °C start open; 95 °C full open	
	Max.Permissible Temperature	105 °C	
	Max.Coolant Shutdown Temperature	104 °C	
Fuel System	Governor	Bosch ECU	
	Maximum fuel inlet restriction	65 kPa	
	Maximum fuel return restriction	20 kPa	
	Fuel pump opening pressure	25 MPa	
Lubricating System	Low idle (kPa)	80	
	Rate speed (kPa)	200	
	Max.oil temperature permitted in oil pan (°C)	120 °C	
	Lubrication system Min.capacity (L)	34.5 L	
Exhaust	Max.Back Pressure (kPa)	13	
Electrical System	Starter (V)	24	
	Charging Alternator Capacity (A)	70	

**Alternator Specification**

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	$\leq \pm 0.5$
Frequency fluctuation rate (%)	$\leq \pm 0.5$
Voltage regulation (%)	$\leq \pm 0.5$
Voltage fluctuation rate (%)	$\leq \pm 0.5$

**Configuration:**

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

**Engine:**

Jacket Water Preheater  
Oil Preheater

**Generator Sets:**

Tools with the machine

**Fuel System:**

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

**Control Panel:**

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

**Alternator:**

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

**Canopy:**

Rental type canopy  
Trailer

**Exhaust System:**

Protection board from heat

**Cooling System:**

Front heat protection  
Coolant ( - 30°C )

**Lubricating System:**

With machine oil

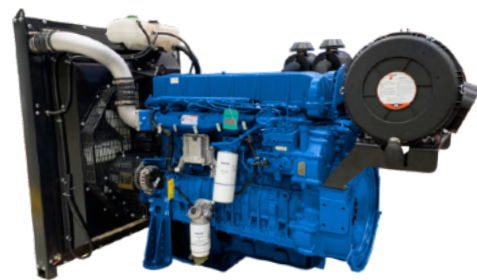
- Available for voltages 400/230V, 480/277V, 380/220V, 440/254V, 415/240V, 220/127V, 208/120V
- All data based on ISO 3046, altitude 100m (328ft), barometric pressure 100kPa (29.53inHg), air temperature 25°C(77°F), relative humidity 30%.
- Please contact with VMAN engineer for correct generator capacity selection when the load application can't meet with the standard reference.
- VMAN diesel generators comply with standards:ISO8528 ,ISO14000 ,ISO3046, GB755,BS5000,VDE0530,IEC34-1

# GSV-CE-400@50Hz

# GSV-CE-400@60Hz

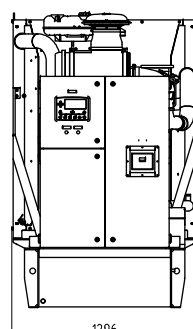
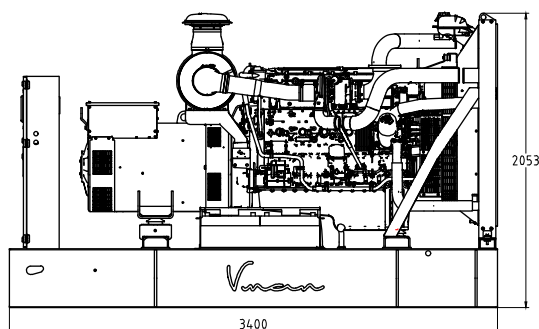
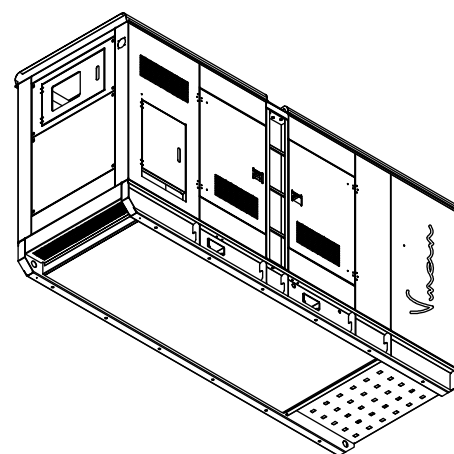
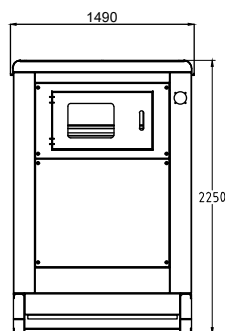
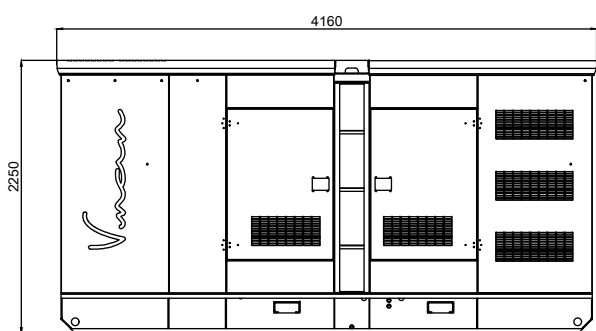
## Product Specification

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-CE-400 F	50Hz/1500RPM	400	375
GSV-CE-400 S	60Hz/1800RPM		



### General Characteristics

Model	GSV-CE-400 F	GSV-CE-400 S
Engine	CE12A	CE12B
Alternator	VA375-H or TAL-A46-H	VA313-H or TAL-A46-F
Speed Control Type	Bosch ECU	
Phase	3	
System Voltage	24	
Frequency	50Hz	60Hz
Engine Sped (RPM)	1500rpm	1800rpm
Controller Model	ComAp AMF20 or DEESEA DSE6020	
Fuel Consumption at rated condition	85	80
Noise Of Open Type (LP7m)	<70 dB(A) @7mt	
Noise Of Silent Type (LP7m)		
Dimension Of Open Type (L x W x H )	3400mm x 1296mm x 2053mm	
Net Weigh Of Open Type	3700kg	
Dimension Of Silent Type (L x W x H )	4160mm x 1490mm x 2250mm	
Net Weigh Of Silent Type	4500kg	
Fuel Tank Capacity		



- ◆ Drawings just for reference , specific drawing for different type please contact with us.
- ◆ Info@vman-engine.com

Engine Specification		
Engine Model	CE12A	CE12B
Engine Type	Line type 6 -Cylinder, Turbo charged & intercooled (air to air)	
Prime power ( kW/Ps )	355/483	355/483
Standby power ( kW/Ps )	390/530	390/530
Continuous power ( kW/Ps )	315/428	315/428
Speed	1500rpm	1800 rpm
Compression ratio	128 x 153 mm	
Displacement	11.81L	
Bore x stroke	17:1	
Piston speed	7.6 m/s	9.2 m/s
Combustion Air Consumption (m³/h)	1710	1846
Max.Exhaust Temp.(After Turbo°C)	590	590
Exhaust Gas Flow (m³/h)	4050	4374
Injection timing	4.5°±2.5° BTDC @ 1500 rpm	7.5°±3° BTDC@ 1800 rpm
Dry weight {W/O cooling system}	1065kg	
Dimension {L x W x H}	1373 x 812 x 1138 mm	
Flywheel housing	SAE 1 #	
Flywheel	14	
Number of teeth on flywheel	143	
Fuel Consumption - 110% load (l/h)	94.0	89.0
- 100% load (l/h)	85.0	80.0
- 75% load (l/h)	64.0	60.0
- 50% load (l/h)	43.0	40.0

Model		GSV-CE-400 F	GSV-CE-400 S
Cooling System	Coolant capacity	45L	
	Thermostat Open Temperature	85 °C start open; 95 °C full open	
	Max.Permissible Temperature	105 °C	
	Max.Coolant Shutdown Temperature	104 °C	
Fuel System	Governor	Bosch ECU	
	Maximum fuel inlet restriction	65 kPa	
	Maximum fuel return restriction	20 kPa	
	Fuel pump opening pressure	25 MPa	
Lubricating System	Low idle (kPA)	80	
	Rate speed (kPA)	200	
	Max.oil temperature permitted in oil pan (°C)	116 °C	
	Lubrication system Min.capacity (L)	38L	
Exhaust	Max.Back Pressure (kPA)	15	
Electrical System	Starter (V)	24	
	Charging Alternator Capacity (A)	70	

## Alternator Specification

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	$\leq \pm 0.5$
Frequency fluctuation rate (%)	$\leq \pm 0.5$
Voltage regulation (%)	$\leq \pm 0.5$
Voltage fluctuation rate (%)	$\leq \pm 0.5$

## Configuration:

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

## Engine:

Jacket Water Preheater  
Oil Preheater

## Generator Sets:

Tools with the machine

## Fuel System:

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

## Control Panel:

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

## Alternator:

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

## Canopy:

Rental type canopy  
Trailer

## Exhaust System:

Protection board from heat

## Cooling System:

Front heat protection  
Coolant ( - 30°C )

## Lubricating System:

With machine oil

- Available for voltages 400/230V, 480/277V, 380/220V, 440/254V, 415/240V, 220/127V, 208/120V
- All data based on ISO 3046, altitude 100m (328ft), barometric pressure 100kPa (29.53inHg), air temperature 25°C(77°F), relative humidity 30%.
- Please contact with VMAN engineer for correct generator capacity selection when the load application can't meet with the standard reference.
- VMAN diesel generators comply with standards:ISO8528 ,ISO14000 ,ISO3046, GB755,BS5000,VDE0530,IEC34-1

# GSV-CE-500@50Hz

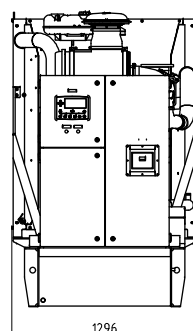
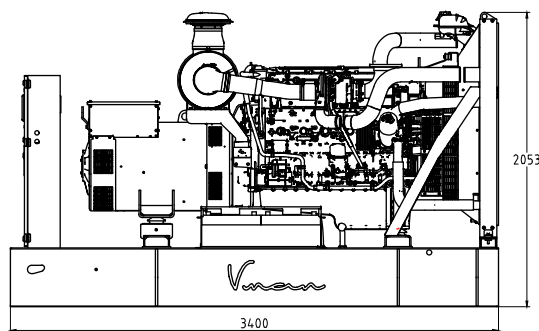
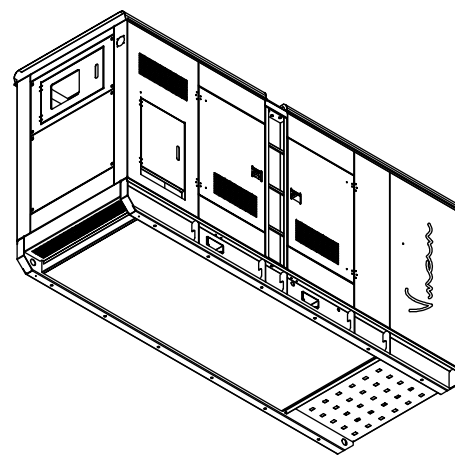
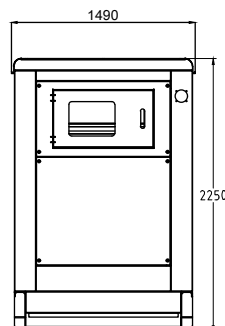
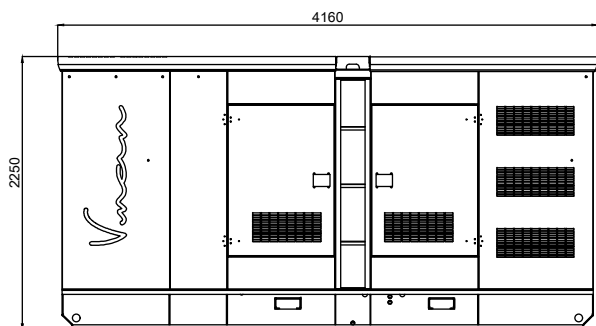
# GSV-CE-520@60Hz

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-CE-500 F	50Hz/1500RPM	500	450
GSV-CE-520 S	60Hz/1800RPM	520	480



## General Characteristics

Model	GSV-CE-500 F	GSV-CE-520 S
Engine	CE13A	CE13B
Alternator	VA450-H or TAL-A473-B	VA400-H or TAL-A473-A
Speed Control Type	Bosch ECU	
Phase	3	
System Voltage	24	
Frequency	50Hz	60Hz
Engine Sped (RPM)	1500rpm	1800rpm
Controller Model	ComAp AMF20 or DEESEA DSE6020	
Fuel Consumption at rated condition	97	101
Noise Of Open Type (LP7m)		
Noise Of Silent Type (LP7m)	<70 dB(A) @7mt	
Dimension Of Open Type (L x W x H )	3400mm x 1296mm x 2053mm	
Net Weigh Of Open Type	3800kg	
Dimension Of Silent Type (L x W x H )	4160mm x 1490mm x 2250mm	
Net Weigh Of Silent Type	4600kg	
Fuel Tank Capacity	1000L	



- ✦ Drawings just for reference , specific drawing for different type please contact with us.
- ✦ Info@vman-engine.com

Engine Specification			
Engine Model		CE13A	CE13B
Engine Type		Line type 6 -Cylinder, Turbo charged & intercooled (air to air)	
Prime power ( kW/Ps )		415/564	415/564
Standby power ( kW/Ps )		455/619	455/619
Continuous power ( kW/Ps )		370/503	370/503
Speed		1500rpm	1800 rpm
Compression ratio		17:1	
Displacement		12.8L	
Bore x stroke		130 X 153mm	
Piston speed		8.1 m/s	9.7 m/s
Combustion Air Consumption (m³/h)		1870	2270
Max.Exhaust Temp.(After Turbo°C)		590	590
Exhaust Gas Flow (m³/h)		4680	5050
Injection timing		4°±3.5° BTDC @ 1500 rpm	10°±1.5° BTDC@ 1800 rpm
Dry weight {W/O cooling system}		1078kg	
Dimension {L x W x H}		1432 x 972 x 1204 mm	
Flywheel housing		SAE 1 #	
Flywheel		14	
Number of teeth on flywheel		143	
Fuel Consumption - 110% load (l/h)		106.0	111.0
- 100% load (l/h)		97.0	101.0
- 75% load (l/h)		73.0	76.0
- 50% load (l/h)		48.0	50.0

Model		GSV-CE-500 F	GSV-CE-520 S
Cooling System	Coolant capacity	45L	
	Thermostat Open Temperature	85 °C start open; 95 °C full open	
	Max.Permissible Temperature	105 °C	
	Max.Coolant Shutdown Temperature	104 °C	
Fuel System	Governor	Common rail (Bosch's ECM)	
	Maximum fuel inlet restriction	65 kPa	
	Maximum fuel return restriction	20 kPa	
	Fuel pump opening pressure	25 MPa	
Lubricating System	Low idle (kPa)	80	
	Rate speed (kPa)	200	
	Max.oil temperature permitted in oil pan (°C)	116 °C	
	Lubrication system Min.capacity (L)	41L	
Exhaust	Max.Back Pressure (kPa)	15	
Electrical System	Starter (V)	24	
	Charging Alternator Capacity (A)	70	

## Alternator Specification

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	$\leq \pm 0.5$
Frequency fluctuation rate (%)	$\leq \pm 0.5$
Voltage regulation (%)	$\leq \pm 0.5$
Voltage fluctuation rate (%)	$\leq \pm 0.5$

## Configuration:

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

## Engine:

Jacket Water Preheater  
Oil Preheater

## Generator Sets:

Tools with the machine

## Fuel System:

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

## Control Panel:

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

## Alternator:

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

## Canopy:

Rental type canopy  
Trailer

## Exhaust System:

Protection board from heat

## Cooling System:

Front heat protection  
Coolant ( - 30°C )

## Lubricating System:

With machine oil

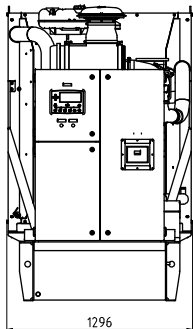
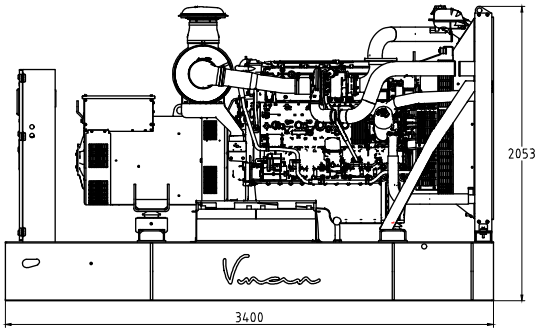
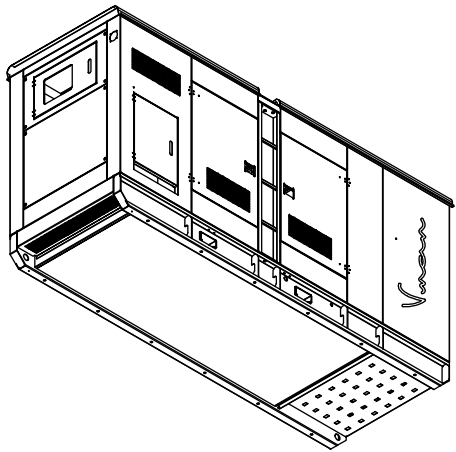
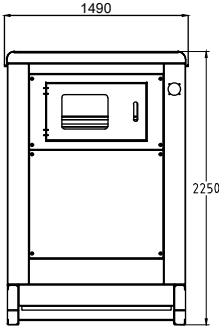
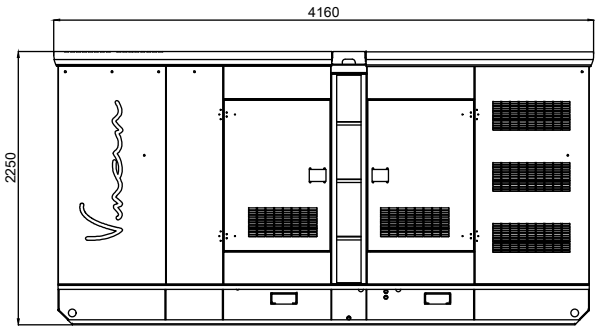
GSV-CE-550@50Hz  
GSV-CE-550@60Hz

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-CE-550 F	50Hz/1500RPM	550	500
GSV-CE-550 S	60Hz/1800RPM	550	500



General Characteristics

Model	GSV-CE-550 F	GSV-CE-550 S
Engine	CE13AP	CE13BP
Alternator	VA500-H or TAL-A473-C	VA450-H or TAL-A473-C
Speed Control Type	Bosch ECU	
Phase	3	
System Voltage	24	
Frequency	50Hz	60Hz
Engine Sped (RPM)	1500rpm	1800rpm
Controller Model	ComAp AMF20 or DEESEA DSE6020	
Fuel Consumption at rated condition	102	109
Noise Of Open Type (LP7m)		
Noise Of Silent Type (LP7m)	<70 dB(A) @7mt	
Dimension Of Open Type (L x W x H )	3400mm x 1296mm x 2053mm	
Net Weigh Of Open Type	3800kg	
Dimension Of Silent Type (L x W x H )	4160mm x 1490mm x 2250mm	
Net Weigh Of Silent Type	4600kg	
Fuel Tank Capacity	1000L	



◆ Drawings just for reference , specific drawing for different type please contact with us.  
◆ Info@vman-engine.com

Engine Specification			
Engine Model		CE13AP	CE13BP
Engine Type		Line type 6 -Cylinder, Turbo charged & intercooled (air to air)	
Prime power ( kW/Ps )		450/612	450/612
Standby power ( kW/Ps )		475/646	475/646
Continuous power ( kW/Ps )		450/612	450/612
Speed		1500rpm	1800 rpm
Compression ratio		17:1	
Displacement		12.8L	
Bore x stroke		130 X 153mm	
Piston speed		8.1 m/s	9.7 m/s
Combustion Air Consumption (m³/h)		1870	2270
Max.Exhaust Temp.(After Turbo°C)		590	590
Exhaust Gas Flow (m³/h)		4680	5050
Injection timing		4°±3.5° BTDC @ 1500 rpm	10°±1.5° BTDC@ 1800 rpm
Dry weight {W/O cooling system}		1078kg	
Dimension {L x W x H}		1432 x 972 x 1204 mm	
Flywheel housing		SAE 1 #	
Flywheel		14	
Number of teeth on flywheel		143	
Fuel Consumption - 110% load (l/h)		109.0	115.0
- 100% load (l/h)		102.0	109.0
- 75% load (l/h)		77.0	82.0
- 50% load (l/h)		51.0	55.0

Model		GSV-CE-550 F	GSV-CE-550 S
Cooling System	Coolant capacity	45L	
	Thermostat Open Temperature	85 °C start open; 95 °C full open	
	Max.Permissible Temperature	105 °C	
	Max.Coolant Shutdown Temperature	104 °C	
Fuel System	Governor	Common rail (Bosch's ECM)	
	Maximum fuel inlet restriction	65 kPa	
	Maximum fuel return restriction	20 kPa	
	Fuel pump opening pressure	25 MPa	
Lubricating System	Low idle (kPa)	80	
	Rate speed (kPa)	200	
	Max.oil temperature permitted in oil pan (°C)	116 °C	
	Lubrication system Min.capacity (L)	41L	
Exhaust	Max.Back Pressure (kPa)	15	
Electrical System	Starter (V)	24	
	Charging Alternator Capacity (A)	70	

## Alternator Specification

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	$\leq \pm 0.5$
Frequency fluctuation rate (%)	$\leq \pm 0.5$
Voltage regulation (%)	$\leq \pm 0.5$
Voltage fluctuation rate (%)	$\leq \pm 0.5$

## Configuration:

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

## Engine:

Jacket Water Preheater  
Oil Preheater

## Generator Sets:

Tools with the machine

## Fuel System:

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

## Control Panel:

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

## Alternator:

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

## Canopy:

Rental type canopy  
Trailer

## Exhaust System:

Protection board from heat

## Cooling System:

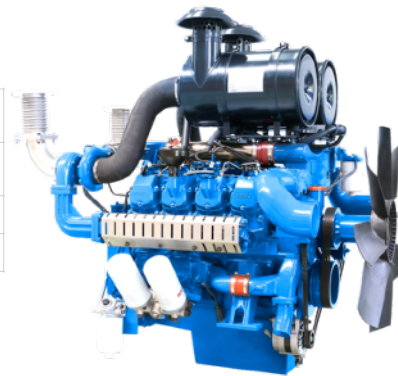
Front heat protection  
Coolant ( - 30°C )

## Lubricating System:

With machine oil

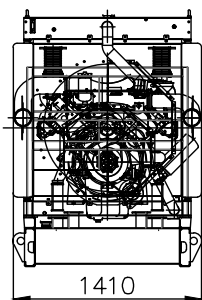
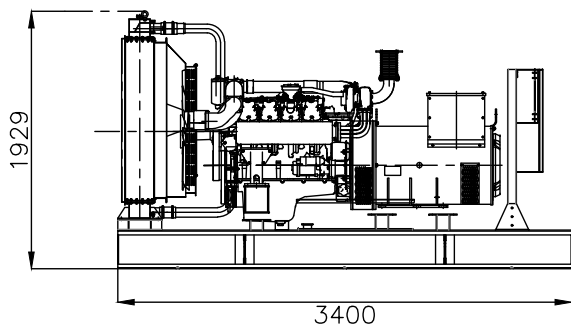
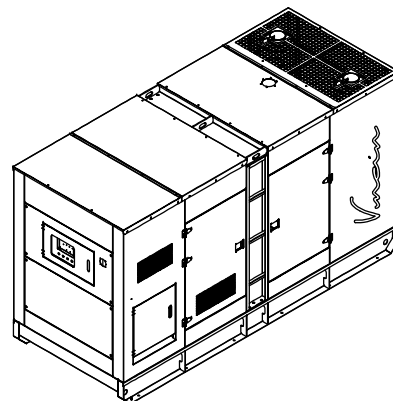
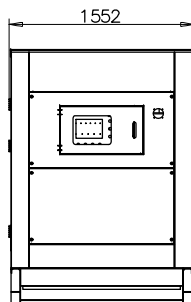
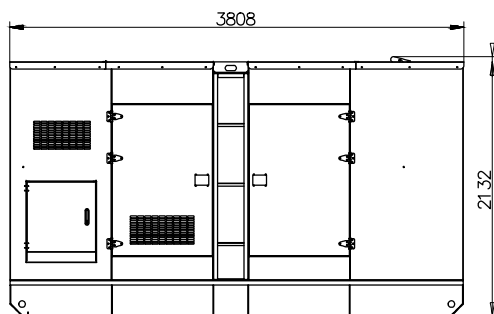
# GSV-V-450/550@50Hz

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-V-450 F	50Hz/1500RPM	450	413
GSV-V-550 F		550	500



## General Characteristics

Model	GSV-V-450 F	GSV-V-550 F
Engine	D15A1	D15
Alternator	VA450-H or TAL-A473-A	VA500-H or TAL-A473-C
Speed Control Type	GAC 5500E	
Phase	3	
System Voltage	24	
Frequency	50Hz	
Engine Sped (RPM)	1500rpm	
Controller Model	ComAp AMF20 or DEESEA DSE6020	
Fuel Consumption at rated condition	89	113
Noise Of Open Type (LP7m)		
Noise Of Silent Type (LP7m)	<75 dB(A) @7mt	
Dimension Of Open Type (L x W x H )	3400mm x 1410mm x 1929mm	
Net Weigh Of Open Type	3385kg	
Dimension Of Silent Type (L x W x H )	3808mm x 1552mm x 2132mm	
Net Weigh Of Silent Type	4150kg	
Fuel Tank Capacity	785L	



- ◆ Drawings just for reference , specific drawing for different type please contact with us.
- ◆ Info@vman-engine.com

Engine Specification		
Engine Model	D15A1	D15
Engine Type	4-Cycle, V-type, 8-Cylinder, Turbo charged & inter-cooled (air to air)	
Prime power ( kW/Ps )	365/496	450/612
Standby power ( kW/Ps )	415/565	500/680
Continuous power ( kW/Ps )	277/376	346/470
Speed	1500 rpm	1500rpm
Compression ratio	15.5 :1	14.6 :1
Displacement	14.618 L	
Bore x stroke	128 x 142 mm	
Piston speed	7.1 m/s	
Combustion Air Consumption (m³/h)	2418	3047
Max.Exhaust Temp.(After Turbo°C)	493	520
Exhaust Gas Flow (m³/h)	5709	7447
Injection timing	18°±1° BTDC @ 1500 rpm	
Dry weight {W/O cooling system}	1050kg	
Dimension {L x W x H}	1481x1389x1288 mm	
Flywheel housing	SAE 1 #	
Flywheel	14	
Number of teeth on flywheel	160	
Fuel Consumption - 110% load (l/h)	102.0	127.0
- 100% load (l/h)	89.0	113.0
- 75% load (l/h)	65.0	84.0
- 50% load (l/h)	46.0	57.0

Model		GSV-V-450 F	GSV-V-550 S
Cooling System	Coolant capacity	75L	
	Thermostat Open Temperature	71 °C start open; 85 °C full open	
	Max.Permissible Temperature	90 °C	
	Max.Coolant Shutdown Temperature	105 °C	
Fuel System	Governor	GAC 5500E	
	Maximum fuel inlet restriction	30 kPa	
	Maximum fuel return restriction	60 kPa	
	Fuel pump opening pressure	28 MPa	
Lubricating System	Low idle (kPa)	160	
	Rate speed (kPa)	200	
	Max.oil temperature permitted in oil pan (°C)	110 °C	
	Lubrication system Min.capacity (L)	27L	
Exhaust	Max.Back Pressure (kPa)	<10	
Electrical System	Starter (V)	24	
	Charging Alternator Capacity (A)	45	

### Alternator Specification

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	$\leq \pm 0.5$
Frequency fluctuation rate (%)	$\leq \pm 0.5$
Voltage regulation (%)	$\leq \pm 0.5$
Voltage fluctuation rate (%)	$\leq \pm 0.5$

### Configuration:

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

### Engine:

Jacket Water Preheater  
Oil Preheater

### Generator Sets:

Tools with the machine

### Fuel System:

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

### Control Panel:

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

### Alternator:

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

### Canopy:

Rental type canopy  
Trailer

### Exhaust System:

Protection board from heat

### Cooling System:

Front heat protection  
Coolant ( - 30°C )

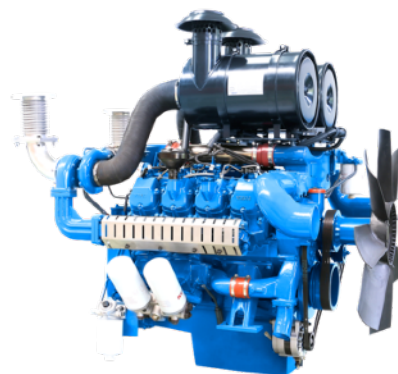
### Lubricating System:

With machine oil

- Available for voltages 400/230V, 480/277V, 380/220V, 440/254V, 415/240V, 220/127V, 208/120V
- All data based on ISO 3046, altitude 100m (328ft), barometric pressure 100kPa (29.53inHg), air temperature 25°C(77°F), relative humidity 30%.
- Please contact with VMAN engineer for correct generator capacity selection when the load application can't meet with the standard reference.
- VMAN diesel generators comply with standards:ISO8528 ,ISO14000 ,ISO3046, GB755,BS5000,VDE0530,IEC34-1

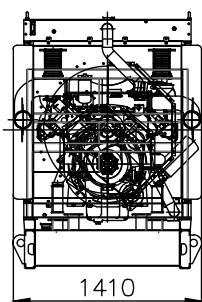
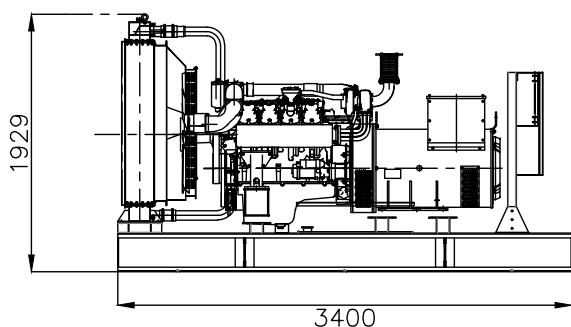
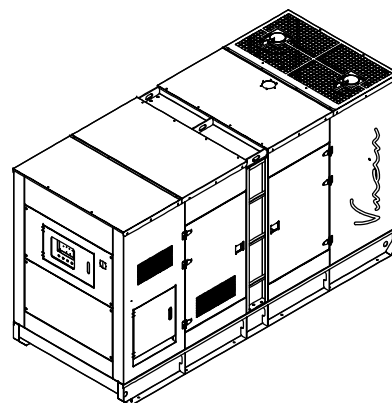
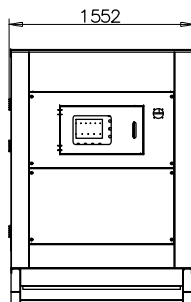
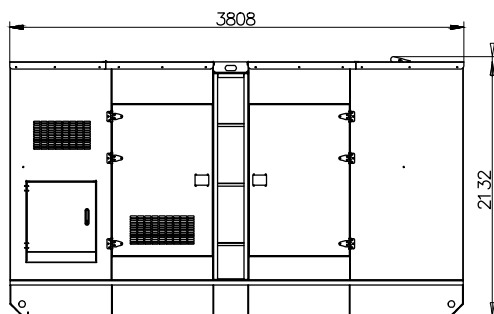
# GSV-V-440/563@60Hz

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-V-440 S	60Hz/1800RPM	440	400
GSV-V-563 S		520	480



## General Characteristics

Model	GSV-V-440 S	GSV-V-563 S
Engine	D15B2	D15B
Alternator	VA343-H or TAL-A46-G	VA450-H or TAL-A473-A
Speed Control Type	GAC 5500E	
Phase	3	
System Voltage	24	
Frequency	60Hz	
Engine Sped (RPM)	1800rpm	
Controller Model	ComAp AMF20 or DEESEA DSE6020	
Noise Of Open Type (LP7m)		
Noise Of Silent Type (LP7m)	<75 dB(A) @7mt	
Dimension Of Open Type (L x W x H )	3400mm x 1410mm x 1929mm	
Net Weigh Of Open Type	3385kg	
Dimension Of Silent Type (L x W x H )	3808mm x 1552mm x 2132mm	
Net Weigh Of Silent Type	4150kg	



- ◆ Drawings just for reference , specific drawing for different type please contact with us.
- ◆ Info@vman-engine.com

Engine Specification		
Engine Model	D15B2	D15B
Engine Type	4-Cycle, V-type, 8-Cylinder, Turbo charged & inter-cooled (air to air)	
Prime power ( kW/Ps )	370/503	440/599
Standby power ( kW/Ps )	405/503	500/680
Continuous power ( kW/Ps )	281/382	334/454
Speed	1800 rpm	1800rpm
Compression ratio	15.5 :1	14.6 :1
Displacement	14.618 L	
Bore x stroke	128 x 142 mm	
Piston speed	8.82 m/s	
Combustion Air Consumption (m³/h)	2396	3077
Max.Exhaust Temp.(After Turbo°C)	465	530
Exhaust Gas Flow (m³/h)	5449	7615
Injection timing	20°±1° BTDC @ 1800 rpm	
Dry weight {W/O cooling system}	1050kg	
Dimension {L x W x H}	1481x1389x1288 mm	
Flywheel housing	SAE 1 #	
Flywheel	14	
Number of teeth on flywheel	160	
Fuel Consumption - 110% load (l/h)	102.0	131.0
- 100% load (l/h)	91.0	114.0
- 75% load (l/h)	68.0	83.0
- 50% load (l/h)	45.0	57.0

Model		GSV-V-440 S	GSV-V-563 S
Cooling System	Coolant capacity	75L	
	Thermostat Open Temperature	71 °C start open; 85 °C full open	
	Max.Permissible Temperature	90 °C	
	Max.Coolant Shutdown Temperature	105 °C	
Fuel System	Governor	GAC 5500E	
	Maximum fuel inlet restriction	30 kPa	
	Maximum fuel return restriction	60 kPa	
	Fuel pump opening pressure	28 MPa	
Lubricating System	Low idle (kPa)	160	
	Rate speed (kPa)	200	
	Max.oil temperature permitted in oil pan (°C)	110 °C	
	Lubrication system Min.capacity (L)	27L	
Exhaust	Max.Back Pressure (kPa)	<10	
Electrical System	Starter (V)	24	
	Charging Alternator Capacity (A)	45	

## Alternator Specification

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	≤±0.5
Frequency fluctuation rate (%)	≤±0.5
Voltage regulation (%)	≤±0.5
Voltage fluctuation rate (%)	≤±0.5

## Configuration:

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

## Engine:

Jacket Water Preheater  
Oil Preheater

## Generator Sets:

Tools with the machine

## Fuel System:

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

## Control Panel:

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

## Alternator:

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

## Canopy:

Rental type canopy  
Trailer

## Exhaust System:

Protection board from heat

## Cooling System:

Front heat protection  
Coolant ( - 30°C )

## Lubricating System:

With machine oil

- Available for voltages 400/230V, 480/277V, 380/220V, 440/254V, 415/240V, 220/127V, 208/120V
- All data based on ISO 3046, altitude 100m (328ft), barometric pressure 100kPa (29.53inHg), air temperature 25°C(77°F), relative humidity 30%.
- Please contact with VMAN engineer for correct generator capacity selection when the load application can't meet with the standard reference.
- VMAN diesel generators comply with standards:ISO8528 ,ISO14000 ,ISO3046, GB755,BS5000,VDE0530,IEC34-1

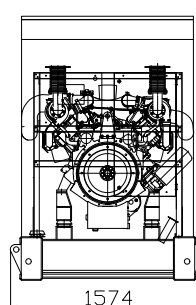
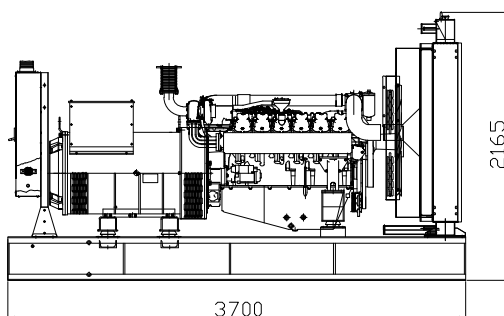
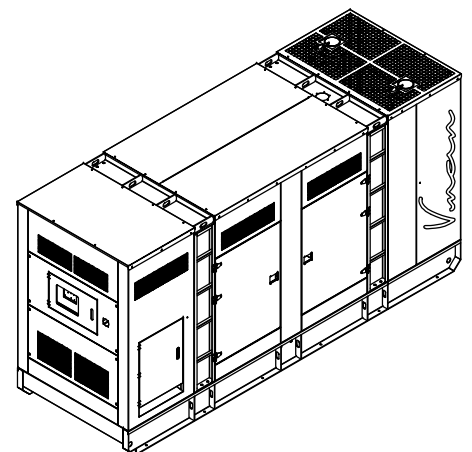
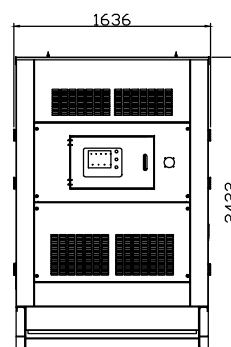
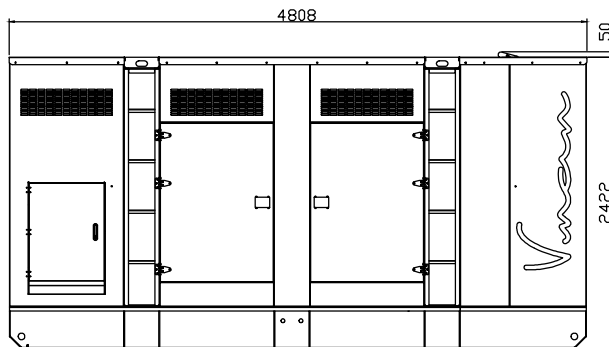
# GSV-V-625/688/750/810@50Hz

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-V-625 F	50Hz/1500RPM	625	575
GSV-V-688 F	50Hz/1500RPM	688	625
GSV-V-750 F	50Hz/1500RPM	750	688
GSV-V-810 F	50Hz/1500RPM	810	730



## General Characteristics

Model	GSV-V-625 F	GSV-V-688 F	GSV-V-750 F	GSV-V-810 F
Engine	D22A2	D22A	D22	D22Z
Alternator	VA625-H or TAL-A473-E	VA625-H or TAL-A473-F	VA750-H or TAL-A49-B	VA750-H or TAL-A49-B
Speed Control Type	GAC 5500E	GAC 5500E	GAC 5500E	GAC 5500E
Phase	3			
System Voltage	24			
Frequency	50Hz			
Engine Sped (RPM)	1500rpm			
Controller Model	ComAp AMF20 or DEEPSEA DSE6020			
Noise Of Open Type (LP7m)				
Noise Of Silent Type (LP7m)	<75 dB(A) @7mt			
Dimension Of Open Type (L x W x H )	3700mm x 1574mm x 2165mm			
Net Weigh Of Open Type	4025kg			
Dimension Of Silent Type (L x W x H )	4808mm x 1636mm x 2422mm			
Net Weigh Of Silent Type	5300kg			



- ◆ Drawings just for reference , specific drawing for different type please contact with us.
- ◆ Info@vman-engine.com

Engine Specification				
Engine Model	D22A2	D22A	D22	D22Z
Engine Type	4-Cycle, V-type, 12-Cylinder, Turbo charged & inter-cooled (air to air)			
Prime power ( kW/Ps )	515/700	555/755	630/857	525/714
Standby power ( kW/Ps )	565/768	606/824	700/952	577/785
Continuous power ( kW/Ps )	391/531	422/573	479/651	399/542
Speed	1500 rpm	1500 rpm	1500 rpm	1800rpm
Compression ratio	15.5 :1			
Displacement	21.927 L			
Bore x stroke	128 x 142 mm			
Piston speed	7.1 m/s	7.1 m/s	7.1 m/s	8.52 m/s
Combustion Air Consumption (m³/h)	3309	3477	4204	3396
Max.Exhaust Temp.(After Turbo°C)	513	540	550	480
Exhaust Gas Flow (m³/h)	8015	8712	10662	7882
Injection timing	18°±1° BTDC @ 1500 rpm			
Dry weight {W/O cooling system}	1575kg			
Dimension {L x W x H}	1717x1389x1288 mm			
Flywheel housing	SAE 1 # or SAE 0#			
Flywheel	14 or 18			
Number of teeth on flywheel	150			
Fuel Consumption - 110% load (l/h)	138.0	152.0	176.0	145.0
- 100% load (l/h)	124.0	133.0	157.0	130.0
- 75% load (l/h)	92.0	98.0	116.0	97.0
- 50% load (l/h)	63.0	66.0	79.0	68.0

Model		GSV-V-625 F	GSV-V-688 F	GSV-V-750 F	GSV-V-810 F
Cooling System	Coolant capacity	Engine 23L + Radiator 96L			
	Thermostat Open Temperature	71 °C			
	Max.Permissible Temperature	90 °C			
	Max.Coolant Shutdown Temperature	105 °C			
Fuel System	Governor	GAC 5500E			
	Maximum fuel inlet restriction	30 kPa			
	Maximum fuel return restriction	60 kPa			
	Fuel pump opening pressure	28 MPa			
Lubricating System	Low idle (kPa)	160			
	Rate speed (kPa)	200			
	Max.oil temperature permitted in oil pan (°C)	110 °C			
	Lubrication system Min.capacity (L)	27L			
Exhaust	Max.Back Pressure (kPa)	<10			
Electrical System	Starter (V)	24			
	Charging Alternator Capacity (A)	45			

**Alternator Specification**

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	$\leq \pm 0.5$
Frequency fluctuation rate (%)	$\leq \pm 0.5$
Voltage regulation (%)	$\leq \pm 0.5$
Voltage fluctuation rate (%)	$\leq \pm 0.5$

**Configuration:**

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

**Engine:**

Jacket Water Preheater  
Oil Preheater

**Generator Sets:**

Tools with the machine

**Fuel System:**

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

**Control Panel:**

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

**Alternator:**

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

**Canopy:**

Rental type canopy  
Trailer

**Exhaust System:**

Protection board from heat

**Cooling System:**

Front heat protection  
Coolant ( - 30°C )

**Lubricating System:**

With machine oil

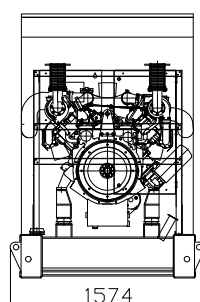
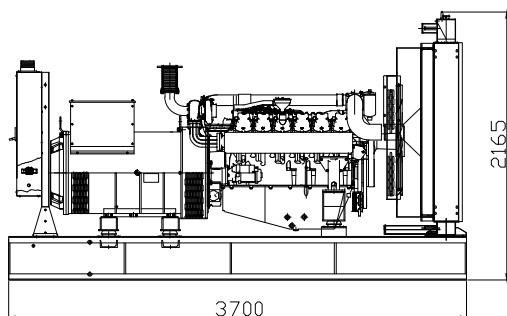
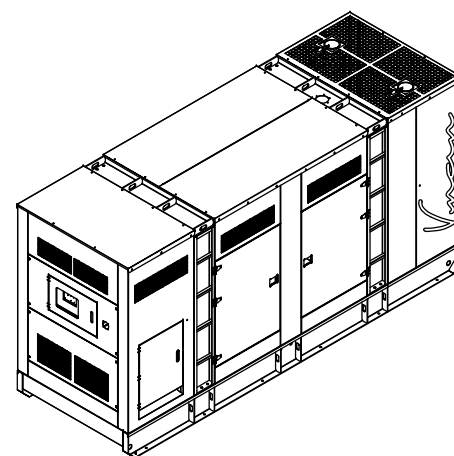
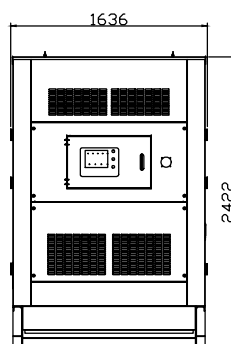
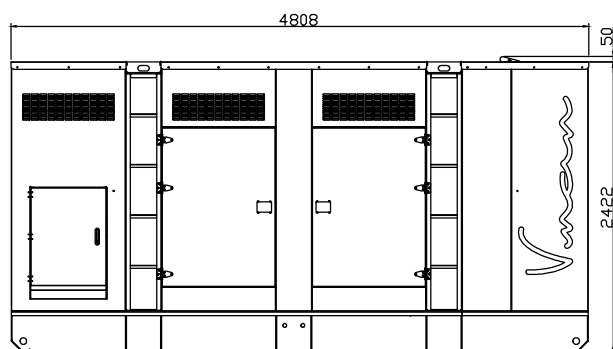
# GSV-V-625/688/750 /810/875/938@60Hz

## Product Specification

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-V-625 S	60Hz/1800RPM	625	588
GSV-V-688 S	60Hz/1800RPM	688	625
GSV-V-750 S	60Hz/1800RPM	750	675
GSV-V-810 S	60Hz/1800RPM	813	738
GSV-V-875 S	60Hz/1800RPM	875	788
GSV- V-938 S	60Hz/1800RPM	938	838



General Characteristics						
Model	GSV-V-688 S	GSV-V-625 S	GSV-V-750 S	GSV-V-810 S	GSC-V-875 S	GSV-V -938 S
Engine	D22B3	D22B2	D22B1	D22B	D22.2	D22.1
Alternator	VA500-H or TAL-A473-C	VA563-H or TAL-A473-C	VA600-H or TAL-A473-D	VA625-H or TAL-A473-E	VA680-H or TAL-A473-F	VA750-H or TAL-A49-B
Speed Control Type	GAC 5500E					
Phase	3					
System Voltage	24					
Frequency	60Hz					
Engine Sped (RPM)	1800rpm					
Controller Model	ComAp AMF20 or DEESEA DSE6020					
Noise Of Open Type (LP7m)						
Noise Of Silent Type (LP7m)	<75 dB(A) @7mt					
Dimension Of Open Type (L x W x H )	3700mm x 1574mm x 2165mm					
Net Weigh Of Open Type	4025kg					
Dimension Of Silent Type (L x W x H )	4808mm x 1636mm x 2422mm					
Net Weigh Of Silent Type	5300kg					



- ◆ Drawings just for reference , specific drawing for different type please contact with us.
- ◆ Info@vman-engine.com

Engine Specification						
Engine Model	D22B3	D22B2	D22B1	D22B	D22.2	D22.1
Engine Type	4-Cycle, V-type, 12-Cylinder, Turbo charged & inter-cooled (air to air)					
Prime power ( kW/Ps )	525/714	565/768	620/843	525/714	718/976	756/1028
Standby power ( kW/Ps )	577/785	627/853	682/927	577/785	790/1075	832/1131
Continuous power ( kW/Ps )	399/542	429/583	471/640	399/542	546/742	575/781
Speed	1800rpm					
Compression ratio	15.5 :1					14.6:1
Displacement	21.927 L					
Bore x stroke	128 x 142 mm					
Piston speed	8.52 m/s					
Combustion Air Consumption (m³/h)	3396	3728	4096	4504	4838	5710
Max.Exhaust Temp.(After Turbo°C)	480	510	525	540	545	550
Exhaust Gas Flow (m³/h)	7882	8996	10072	11284	12197	13112
Injection timing	20°±1° BTDC @ 1800 rpm					
Dry weight {W/O cooling system}	1575kg					
Dimension {L x W x H}	1717x1389x1288 mm					
Flywheel housing	SAE 1 # or SAE 0#					
Flywheel	14 or 18					
Number of teeth on flywheel	150					
Fuel Consumption - 110% load (l/h)	145.0	158.0	175.0	193.0	207.0	219.0
- 100% load (l/h)	130.0	140.0	158.0	174.0	186.0	197.0
- 75% load (l/h)	97.0	105.0	116.0	128.0	137.0	145.0
- 50% load (l/h)	68.0	74.0	83.0	91.0	98.0	104.0

Model		GSV-V-625 S	GSV-V-688 S	GSV-V-750 S	GSV-V-810 S	GSV-V-875 S	GSV-V-938 S
Cooling System	Coolant capacity	Engine 23 L + Radiator 96 L					
	Thermostat Open Temperature	71 °C					
	Max.Permissible Temperature	90 °C					
	Max.Coolant Shutdown Temperature	105 °C					
Fuel System	Governor	GAC 5500E					
	Maximum fuel inlet restriction	30 kPa					
	Maximum fuel return restriction	60 kPa					
	Fuel pump opening pressure	28 MPa					
Lubricating System	Low idle (kPA)	160					
	Rate speed (kPA)	200					
	Max.oil temperature permitted in oil pan (°C)	110 °C					
	Lubrication system Min.capacity (L)	57L					
Exhaust	Max.Back Pressure (kPa)						
Electrical System	Starter (V)	24					
	Charging Alternator Capacity (A)	45					

**Alternator Specification**

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	$\leq \pm 0.5$
Frequency fluctuation rate (%)	$\leq \pm 0.5$
Voltage regulation (%)	$\leq \pm 0.5$
Voltage fluctuation rate (%)	$\leq \pm 0.5$

**Configuration:**

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

**Engine:**

Jacket Water Preheater  
Oil Preheater

**Generator Sets:**

Tools with the machine

**Fuel System:**

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

**Control Panel:**

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

**Alternator:**

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

**Canopy:**

Rental type canopy  
Trailer

**Exhaust System:**

Protection board from heat

**Cooling System:**

Front heat protection  
Coolant ( - 30°C )

**Lubricating System:**

With machine oil

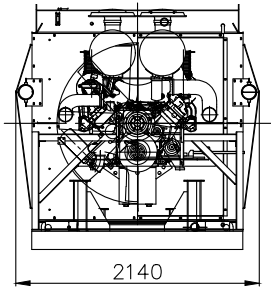
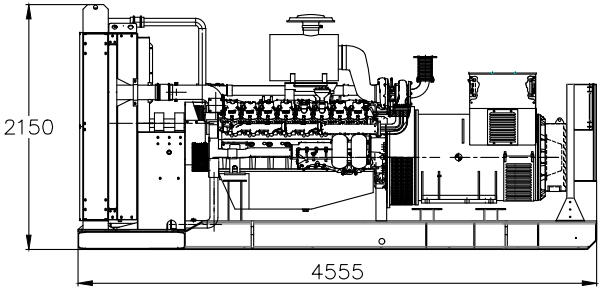
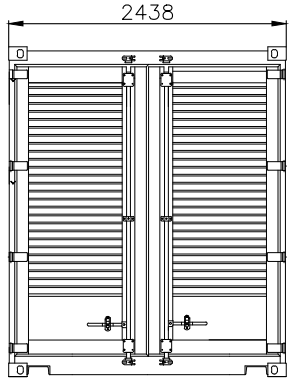
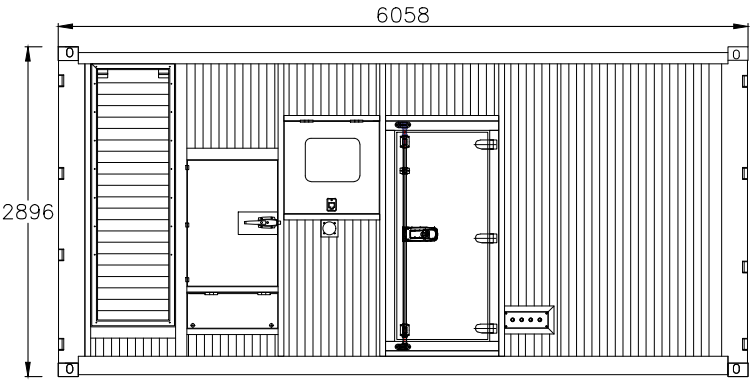
GSV-V-850@50Hz

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-V-850 F	50Hz/1500RPM	850	775



General Characteristics

Model	GSV-V-850 F
Engine	D30A3
Alternator	VA800-H or TAL-A49-C
Speed Control Type	HEINZMANN DC9
Phase	3
System Voltage	24
Frequency	50Hz
Engine Sped (RPM)	1500rpm
Controller Model	ComAp AMF20 or DEEPSEA DSE6020
Noise Of Open Type (LP7m)	
Noise Of Silent Type (LP7m)	<70 dB(A) @7mt
Dimension Of Open Type (L x W x H )	4555mm x 2140mm x 2150mm
Net Weigh Of Open Type	5300kg
Dimension Of Silent Type (L x W x H )	6058mm x 2438mm x 2896mm
Net Weigh Of Silent Type	7500kg



◆ Drawings just for reference , specific drawing for different type please contact with us.  
◆ Info@vman-engine.com

Engine Specification	
Engine Model	D30A3
Engine Type	4-Cycle, V-type, 16-Cylinder, Turbo charged & inter-cooled (air to air)
Prime power ( kW/Ps )	705/959
Standby power ( kW/Ps )	780/1061
Continuous power ( kW/Ps )	536/729
Speed	1500 rpm
Compression ratio	15.5 :1
Displacement	29.235 L
Bore x stroke	128 x 142 mm
Piston speed	7.1 m/s
Combustion Air Consumption (m³/h)	4591
Max.Exhaust Temp.(After Turbo°C)	473
Exhaust Gas Flow (m³/h)	10556
Injection timing	18°±1° BTDC @ 1500 rpm
Dry weight {W/O cooling system}	2100kg
Dimension {L x W x H}	2340x1392x1360 mm
Flywheel housing	SAE 0 #
Flywheel	18
Number of teeth on flywheel	160
Fuel Consumption - 110% load (l/h)	182.0
- 100% load (l/h)	164.0
- 75% load (l/h)	123.0
- 50% load (l/h)	82.0

Model		GSV-V-850 S
Cooling System	Coolant capacity	Engine 26L + Radiator 125L
	Thermostat Open Temperature	71 °C
	Max.Permissible Temperature	90 °C
	Max.Coolant Shutdown Temperature	105 °C
Fuel System	Governor	HEINZMANN DC9
	Maximum fuel inlet restriction	30 kPa
	Maximum fuel return restriction	60 kPa
	Fuel pump opening pressure	25 MPa
Lubricating System	Low idle (kPa)	160
	Rate speed (kPa)	200
	Max.oil temperature permitted in oil pan (°C)	110 °C
	Lubrication system Min.capacity (L)	78L
Exhaust	Max.Back Pressure (kPa)	<10
Electrical System	Starter (V)	24
	Charging Alternator Capacity (A)	45

### Alternator Specification

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class"H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	$\leq \pm 0.5$
Frequency fluctuation rate (%)	$\leq \pm 0.5$
Voltage regulation (%)	$\leq \pm 0.5$
Voltage fluctuation rate (%)	$\leq \pm 0.5$

### Configuration:

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

### Engine:

Jacket Water Preheater  
Oil Preheater

### Generator Sets:

Tools with the machine

### Fuel System:

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

### Control Panel:

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

### Alternator:

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

### Canopy:

Rental type canopy  
Trailer

### Exhaust System:

Protection board from heat

### Cooling System:

Front heat protection  
Coolant ( - 30°C )

### Lubricating System:

With machine oil

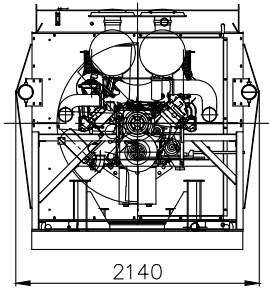
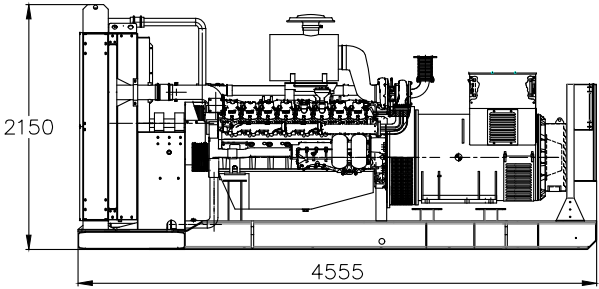
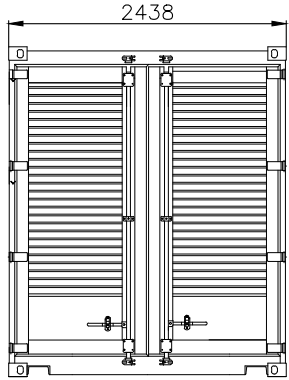
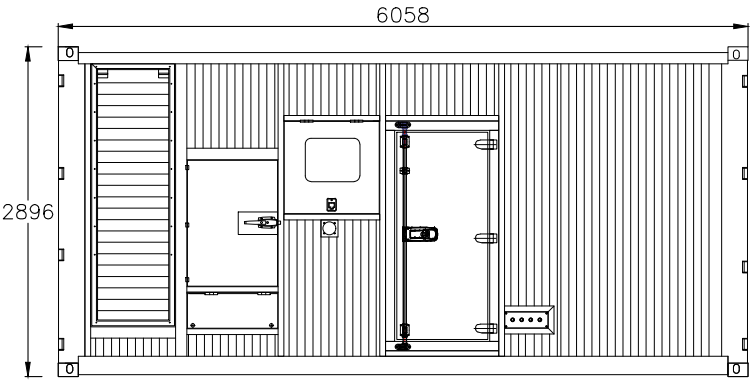
- Available for voltages 400/230V, 480/277V, 380/220V, 440/254V, 415/240V, 220/127V, 208/120V
- All data based on ISO 3046, altitude 100m (328ft), barometric pressure 100kPa (29.53inHg), air temperature 25°C(77°F), relative humidity 30%.
- Please contact with VMAN engineer for correct generator capacity selection when the load application can't meet with the standard reference.
- VMAN diesel generators comply with standards:ISO8528 ,ISO14000 ,ISO3046, GB755,BS5000,VDE0530,IEC34-1

GSV-V-963/1025/1100@50Hz

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-V-963 F	50Hz/1500RPM	963	875
GSV-V-1025 F		1025	938
GSV-V-1100 F		1100	1000



General Characteristics			
Model	GSV-V-963 F	GSV-V-1025 F	GSV-V-1100 F
Engine	D30A2	D30A1	D30A
Alternator	VA910-H or TAL-A49-D	VA1000-H or TAL-A49-E	VA1000-H or TAL-A49-E
Speed Control Type	HEINZMANN DC9		
Phase	3		
System Voltage	24		
Frequency	50Hz		
Engine Sped (RPM)	1500rpm		
Controller Model	ComAp AMF20 or DEEPSEA DSE6020		
Noise Of Open Type (LP7m)			
Noise Of Silent Type (LP7m)	<70 dB(A) @7mt		
Dimension Of Open Type (L x W x H )	4555mm x 2140mm x 2150mm		
Net Weigh Of Open Type	5600kg		
Dimension Of Silent Type (L x W x H )	6058mm x 2438mm x 2896mm		
Net Weigh Of Silent Type	7800kg		



◆ Drawings just for reference , specific drawing for different type please contact with us.  
◆ Info@vman-engine.com

Engine Specification			
Engine Model	D30A2	D30A1	D30A
Engine Type	4-Cycle, V-type, 16-Cylinder, Turbo charged & inter-cooled (air to air)		
Prime power ( kW/Ps )	795/1081	875/1190	920/1251
Standby power ( kW/Ps )	880/1197	960/1305	1020/1387
Continuous power ( kW/Ps )	604/821	665//904	707/961
Speed	1500 rpm		
Compression ratio	15.5 :1		14.6:1
Displacement	29.235L		
Bore x stroke	128 x 142 mm		
Piston speed	7.1 m/s		
Combustion Air Consumption (m³/h)	5154	5651	6368
Max.Exhaust Temp.(After Turbo°C)	487	500	510
Exhaust Gas Flow (m³/h)	12071	13462	15366
Injection timing	18°±1° BTDC @ 1500 rpm		
Dry weight {W/O cooling system}	2100kg		
Dimension {L x W x H}	2340x1392x1360 mm		
Flywheel housing	SAE 0 #		
Flywheel	18		
Number of teeth on flywheel	160		
Fuel Consumption - 110% load (l/h)	204.0	224.0	252.0
- 100% load (l/h)	184.0	204.0	227.0
- 75% load (l/h)	138.0	153.0	170.0
- 50% load (l/h)	92.0	102.0	114.0

Model		GSV-V-963 F	GSV-V-1025 F	GSV-V-1100 F
Cooling System	Coolant capacity	Engine 26L + Radiator 125L		
	Thermostat Open Temperature	71 °C		
	Max.Permissible Temperature	90 °C		
	Max.Coolant Shutdown Temperature	105 °C		
Fuel System	Governor	HEINZMANN DC9		
	Maximum fuel inlet restriction	30 kPa		
	Maximum fuel return restriction	60 kPa		
	Fuel pump opening pressure	28 MPa		
Lubricating System	Low idle (kPa)	160		
	Rate speed (kPa)	200		
	Max.oil temperature permitted in oil pan (°C)	110 °C		
	Lubrication system Min.capacity (L)	78L		
Exhaust	Max.Back Pressure (kPa)	<10		
Electrical System	Starter (V)	24		
	Charging Alternator Capacity (A)	45		

## Alternator Specification

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class“H”
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	≤±0.5
Frequency fluctuation rate (%)	≤±0.5
Voltage regulation (%)	≤±0.5
Voltage fluctuation rate (%)	≤±0.5

## Configuration:

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

## Engine:

Jacket Water Preheater  
Oil Preheater

## Generator Sets:

Tools with the machine

## Fuel System:

Low fuel level alarm  
Automatic fuel feeding system  
Fuel T-valves

## Control Panel:

Remote control panel  
ATS  
Remote controller  
Synchronizing controller

## Alternator:

Winding temperature measuring instrument  
Alternator Preheater  
Anti-damp and anti-corrosion treatment  
Anti-condensation heater

## Canopy:

Rental type canopy  
Trailer

## Exhaust System:

Protection board from heat

## Cooling System:

Front heat protection  
Coolant ( - 30°C )

## Lubricating System:

With machine oil

- Available for voltages 400/230V, 480/277V, 380/220V, 440/254V, 415/240V, 220/127V, 208/120V
- All data based on ISO 3046, altitude 100m (328ft), barometric pressure 100kPa (29.53inHg), air temperature 25°C(77°F), relative humidity 30%.
- Please contact with VMAN engineer for correct generator capacity selection when the load application can't meet with the standard reference.
- VMAN diesel generators comply with standards:ISO8528 ,ISO14000 ,ISO3046, GB755,BS5000,VDE0530,IEC34-1

# GSV-V-1000/1100 @60Hz

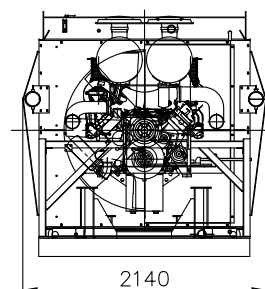
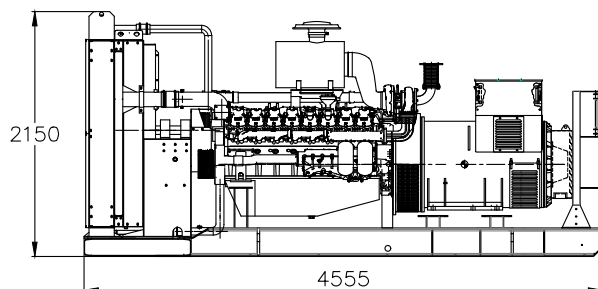
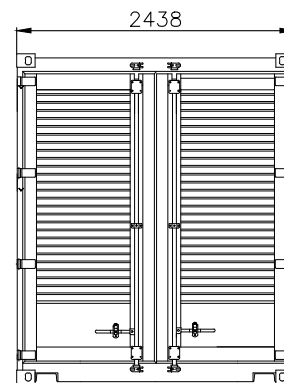
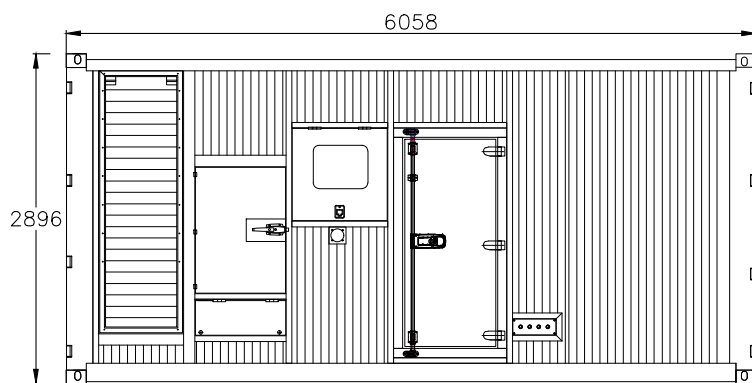
## Product Specification

Genset Model	Frequency/RPM	Genset Power	
		Standby (kVA)	Prime (kVA)
GSV-V-1000 S	60Hz/1800RPM	1000	900
GSV-V-1100 S		1100	1000



### General Characteristics

Model	GSV-V-1000 S	GSV-V-1100S
Engine	D30B3	D30B1
Alternator	VA-800-H or TAL-A49-B	VA-910-H or TAL-A49-E
Speed Control Type	HEINZMANN DC9	
Phase	3	
System Voltage	24	
Frequency	60Hz	
Engine Sped (RPM)	1800rpm	
Controller Model	ComAp AMF20 or DEEPSEA DSE6020	
Noise Of Open Type (LP7m)		
Noise Of Silent Type (LP7m)	<70 dB(A) @7mt	
Dimension Of Open Type (L x W x H )	4555mm x 2140mm x 2150mm	
Net Weigh Of Open Type	5600kg	
Dimension Of Silent Type (L x W x H )	6058mm x 2438mm x 2896mm	
Net Weigh Of Silent Type	7800kg	



- ◆ Drawings just for reference , specific drawing for different type please contact with us.
- ◆ Info@vman-engine.com

Engine Specification		
Engine Model	D30B3	D30B1
Engine Type	4-Cycle,V-type,16-Cylinder,Turbo charged&inter-cooled(air to air)	
Prime power ( kW/Ps )	825/1122	920/1251
Standby power ( kW/Ps )	910/1237	1020/1387
Continuous power ( kW/Ps )	637/866	707/961
Speed	1800 rpm	
Compression ratio	15.5:1	14.6:1
Displacement	29.235 L	
Bore x stroke	128 x 142 mm	
Piston speed	8.52 m/s	
Combustion Air Consumption (m³/h)	5330	6580
Max.Exhaust Temp.(After Turbo°C)	480	540
Exhaust Gas Flow (m³/h)	12368	16487
Injection timing	20°±1°BTDC @ 1800 rpm	
Dry weight {W/O cooling system}	2100kg	
Dimension {L x W x H}	2340x1392x1360mm	
Flywheel housing	SAE 0 #	
Flywheel	18	
Number of teeth on flywheel	160	
Exhaust Gas Flow (m³/h)	12368	16487
Fuel Consumption - 110% load (l/h)	212	260
- 100% load (l/h)	191	235
- 75% load (l/h)	143	176
- 50% load (l/h)	96	117

Model		GSV-V-1000 S	GSV-V-1100 S
Cooling System	Coolant capacity	Engine 26L + Radiator 125L	
	Thermostat Open Temperature	71 °C	
	Max.Permissible Temperature	90 °C	
	Max.Coolant Shutdown Temperature	105 °C	
Fuel System	Governor	HEINZMANN DC9	
	Maximum fuel inlet restriction	30 kPa	
	Maximum fuel return restriction	60 kPa	
	Fuel pump opening pressure	28 MPa	
Lubricating System	Low idle (kPa)	160	
	Rate speed (kPa)	200	
	Max.oil temperature permitted in oil pan (°C)	110 °C	
	Lubrication system Min.capacity (L)	78L	
Exhaust	Max.Back Pressure (kPa)	<10	
Electrical System	Starter (V)	24	
	Charging Alternator Capacity (A)	45	

### Alternator Specification

Brand	Vman or Leroy-Somer
Poles	4
Connection Type	Series Star
Insulation	Class "H"
Enclosure ( according ICE-34-5)	IP23
Exciter system	Self-excited, brushless
Voltage regulator	A.V.R (Electronic)
Bracket type	Single bearing
Coupling system	Flexible disc
Coating Type	Standard ( Vacuum impregnation)
Frequency regulation (%)	≤±0.5
Frequency fluctuation rate (%)	≤±0.5
Voltage regulation (%)	≤±0.5
Voltage fluctuation rate (%)	≤±0.5

### Configuration:

Radiator	50°C Aluminum
Base frame	Base Frame, Anti-vibration
Control System	ComAp AMF20 or DEEPSEA DSE4520
Start Battery	Dry Charged Battery, Connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust Silencer, etc.
Tool	VMAN
Documents	Electric drawing, operation & maintenance manual, Certification, etc.

### Engine:

Jacket Water Preheater  
Oil Preheater

### Generator Sets:

Tools with the machine

### Fuel System:

Low fuel level alarm  
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### Control Panel:

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### Alternator:

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Anti-condensation heater

### Canopy:

Rental type canopy  
Trailer

### Exhaust System:

Protection board from heat

### Cooling System:

Front heat protection  
Coolant ( - 30°C )

### Lubricating System:

With machine oil

# COMPREHENSIVE FACILITIES

VMAN engine is fully equipped with manufacturing, testing, and monitoring facilities to bring clients the best quality products and solutions.



## **Manufactory**

VMAN engine with strong stock supply one-stop total power solution for customer, all manufacturing processes including generator sets assembly and fabrication, load testing and remote monitoring are carried out on-site at our factory's facilities.

## **Workshop Facilities**

Within the factory, VMAN Engine as a engine manufactory has a fully facilitated workshop to perform fabrication and assembly of generator sets. And also with sufficient spare parts stock to deal with any emergency.

## **Load testing**

VMAN engine has a dedicated testing bay at our factory to offer the best testing facility. Each generator set will be proceeding multi-level testing according to the customer's standard, and also proceeding 110% load testing, sudden loading and unloading testing to ensure our generator set's quality.

# INTEGRATED SERVICES

From start to finish, VMAN engine offers clients complete lifecycle generation solutions and services customized to their needs and preferences.



Our R & D Engineering is working day and night to improve the product and to make it more user-friendly. Our Installation Engineers stand with you on your site to ensure proper installation.





## VMAN GENERATOR SET

### VMAN ENGINE

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