



# 35kW<sup>1</sup> STANDBY GENERATORS

## POWER YOU CAN DEPEND ON



Eliminate your loss from power outages with one of Milbank's commercial-sized standby generators. Supported by one of the best commercial warranties in the industry and an easy monitoring system, you can be confident, that when the power goes out, you won't be left in the dark. Ideal for large homes and businesses with increasing electrical demands.

**Comprehensive Commercial Warranty** – Milbank offers a four-year limited warranty<sup>2</sup> that includes parts and labor. It's one of the most comprehensive warranties in the commercial standby power industry.

**Industrial-Grade GM Vortec™ Engine** – This world class eight-cylinder GM Vortec™ engine operates at 1800 RPM - quieter and more fuel-efficient than 3600 RPM engines.

**Longer Product Life** – A commercial generator is a big investment. Designed with a longer life span, Milbank's commercial standby generators have lower engine/alternator speeds, limited temperature rise on the alternator, and corrosion-resistant, all-metal enclosures.

**Custom Built Options** – A complete line of commercial standby generators for light commercial applications with multiple voltage, configuration and controller options available.

**Power Management Technology** – Used with our single-phase, liquid-cooled generators, Milbank's automatic transfer switch comes standard with our patented power management technology managing up to two load-dependent air conditioner units while keeping critical home or business applications powered.

**Easier to Service** – Convenient access points make it easier to service and provide immediate access to the entire engine without time-consuming disassembly.

**Corrosion-Resistant Enclosure** – Durable, all-metal enclosures are built to last protecting against extreme weather conditions and supported by the longest enclosure warranty in the industry.



## 4 YEAR WARRANTY

Not for Prime Power or use where standby systems are legally required, for serious life safety or health hazards, or where lack of power hampers rescue of fire-fighting operations. <sup>1</sup>This generator is rated in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-04 (motors and generators). <sup>2</sup>Warranty details available at milbankworks.com <sup>3</sup>Fuel consumption rates are estimated based on normal operating conditions. Generator operation may be greatly affected by elevation and the cycling operation of multiple electrical appliances – fuel flow rates may vary depending on these factors. Installations must strictly comply with all applicable codes, industry standards, laws, regulations and provided installation manual. Running engines give off carbon monoxide, an odorless, colorless, poisonous gas so it is important to keep exhaust gas away from any windows, doors, ventilation intakes or crawl spaces. The installation manual contains specific instructions related to generator placement in addition to NFPA 37, including the requirement that carbon monoxide detectors be installed and maintained in your home. Milbank reserves the right to make changes in specifications and features shown without notice or discontinue the product described at any time without notice or obligation.

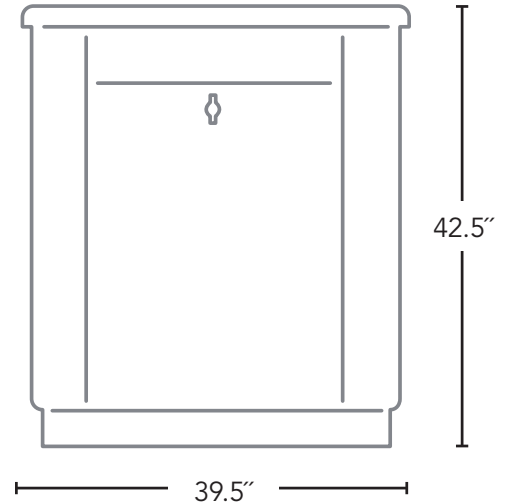
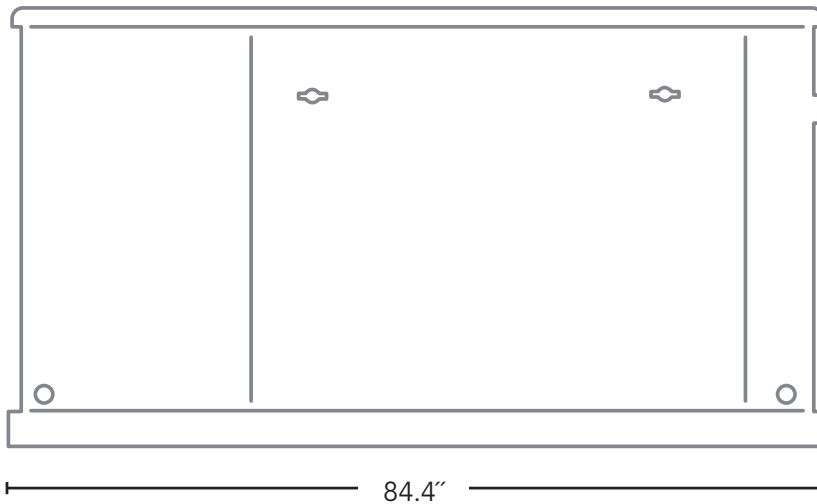
# SPECIFICATIONS

## 35KW<sup>1</sup> SPECIFICATIONS

Model	Power (kW <sup>1</sup> )	Alternator	L-N	L-L	Config	# Leads	Phase	Power Factor	Hz	LP Gas		Natural Gas		Breaker	Controller
										kW <sup>1</sup>	Amps	kW <sup>1</sup>	Amps		
MG3524011BS	35	35-BSPP-0	-	240	-	4	1	1.0	60	35	146	31.5	131	175	Briggs & Stratton® Standard
MG3520831WIN	35	35-TBSPP-0	120	208	WYE	12	3	0.8	60	35	121	31.5	109	150	InteliNano <sup>NT</sup>
MG3524031WIN	35	35-TBSPP-0	139	240	WYE	12	3	0.8	60	35	105	31.5	95	125	InteliNano <sup>NT</sup>
MG3524031DIN	35	35-TBSPP-0	-	240	Delta	12	3	0.8	60	35	105	31.5	95	125	InteliNano <sup>NT</sup>
MG3548031WIN	35	35-TBSPP-0	227	480	WYE	12	3	0.8	60	35	53	31.5	47	60	InteliNano <sup>NT</sup>
MG3524011IL	35	35-BSPP-0	-	240	-	4	1	1.0	60	35	146	31.5	131	175	InteliLite <sup>NT</sup>
MG3520831WIL	35	35-TBSPP-0	120	208	WYE	12	3	0.8	60	35	121	31.5	109	150	InteliLite <sup>NT</sup>
MG3524031WIL	35	35-TBSPP-0	139	240	WYE	12	3	0.8	60	35	105	31.5	95	125	InteliLite <sup>NT</sup>
MG3524031DIL	35	35-TBSPP-0	-	240	Delta	12	3	0.8	60	35	105	31.5	95	125	InteliLite <sup>NT</sup>
MG3541631WIL	35	35-TBSPP-0	240	416	WYE	12	3	0.8	60	35	61	31.5	55	70	InteliLite <sup>NT</sup>
MG3548031WIL	35	35-TBSPP-0	227	480	WYE	12	3	0.8	60	35	53	31.5	47	60	InteliLite <sup>NT</sup>

## WEIGHT AND DIMENSIONS

Weight - (lb / kg)	1469 lbs / 666 kg
Overall Dimensions	84.4" x 39.5" x 42.5" 2143 mm x 1001 mm x 1080 mm



Not for Prime Power or use where standby systems are legally required, for serious life safety or health hazards, or where lack of power hampers rescue of fire-fighting operations. <sup>1</sup>This generator is rated in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-04 (motors and generators). <sup>2</sup>Warranty details available at milbankworks.com <sup>3</sup>Fuel consumption rates are estimated based on normal operating conditions. Generator operation may be greatly affected by elevation and the cycling operation of multiple electrical appliances – fuel flow rates may vary depending on these factors. Installations must strictly comply with all applicable codes, industry standards, laws, regulations and provided installation manual. Running engines give off carbon monoxide, an odorless, colorless, poisonous gas so it is important to keep exhaust gas away from any windows, doors, ventilation intakes or crawl spaces. The installation manual contains specific instructions related to generator placement in addition to NFPA 37, including the requirement that carbon monoxide detectors be installed and maintained in your home. Milbank reserves the right to make changes in specifications and features shown without notice or discontinue the product described at any time without notice or obligation.

# SPECIFICATIONS



ENGINE SPECIFICATIONS	
Engine Model Number	GM Vortec 3.0L Industrial Powertrain
Engine Type	Inline 4 Cylinder, 4-Cycle
Displacement (ltr / cc)	3.0 / 2967
Nominal RPM	1,800
Induction System	Naturally Aspirated
Air Filter Type	Dry
Governor Type	Electronic
Freq Reg NL to FL	Isochronous
Freq Reg Ready State	+/- 0.5%
ENGINE LUBRICATION SPECIFICATIONS	
Lubrication Type	Full Pressure
Oil Pan Capacity (qts / ltr)	4.0 / 3.8
Oil Pan Capacity with Filter (qts / ltr)	4.3 / 4.1
Oil Filter Quantity / Type	1 / Cartridge
Recommended Oil	API GF-4 10W30
LP GAS FUEL CONSUMPTION <sup>3</sup> - STANDBY RATING	
100% Load (ft <sup>3</sup> /hr / gal/hr)	186 / 4.9
50% Load (ft <sup>3</sup> /hr / gal/hr)	117 / 3.1
No Load (ft <sup>3</sup> /hr / gal/hr)	53 / 1.4
NG FUEL CONSUMPTION <sup>3</sup> - STANDBY RATING	
100% Load (BTU/hr)	458,800
50% Load (BTU/hr)	282,000
No Load (BTU/hr)	109,000
ENGINE OUTPUT DERATINGS - STANDBY	
Rated Temp	77°F / 25°C
Rated Altitude	Sea Level
Max Altitude	15,000 ft
Temperature Derate	1% for each 10° F (5.6° C) above rated temp
Altitude Derate	3% / 1,000 ft
SOUND RATING AT 7 METERS	
25% of Full Load (dBA)	65

ENGINE COOLING SYSTEM SPECIFICATIONS	
Max Ambient Temp (°F / °C)	104 / 40
Engine Coolant Capacity (gal / ltr)	1.8 / 6.8
Engine + Radiator Coolant Capacity (gal / ltr)	4.0 / 15.1
ENGINE ELECTRICAL SYSTEM SPECIFICATIONS	
Charging Alternator (volts dc)	12
Recommended Battery (volts dc)	12
Recommended Battery (cca)	630
Quantity Needed	1
ENGINE FUEL SYSTEM SPECIFICATIONS	
Recommended Fuel LP min LHV (btu/ft <sup>3</sup> )	2260
NG min LHV (btu/ft <sup>3</sup> )	890
Fuel Supply Pressure in-H <sub>2</sub> O	7-11 (at full load)
Fuel Supply Line at Engine (npt)	1"
ALTERNATOR SPECIFICATIONS	
Type	4-pole, rotating field
Voltage Regulator	Solid state, Volts/Hz
Insulation (material)	Class H
Designed Temperature Rise Limit	120° C
Bearing (quantity / type)	1, Sealed
Voltage Reg NL to FL	+/-1.0%
Frequency compensation	8V/Hz voltage drop below 55 Hz
ALTERNATOR - DESIGNED TO LAST	
With a total temperature capability of 160° C, Briggs & Stratton Standby Generators limit the temperature rise to 120° C above ambient temperature to offer extended alternator life.	



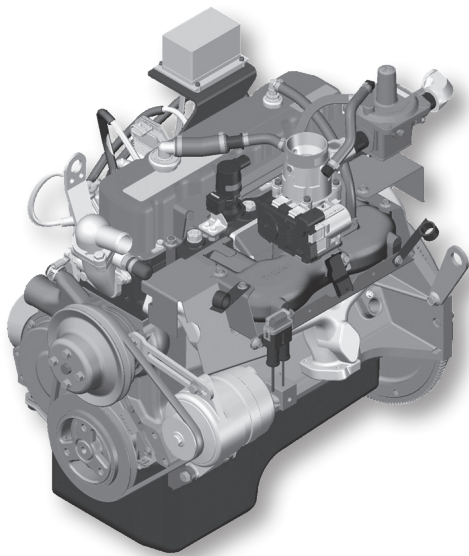
Not for Prime Power or use where standby systems are legally required, for serious life safety or health hazards, or where lack of power hampers rescue of fire-fighting operations. <sup>1</sup>This generator is rated in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-04 (motors and generators). <sup>2</sup>Warranty details available at milbankworks.com <sup>3</sup>Fuel consumption rates are estimated based on normal operating conditions. Generator operation may be greatly affected by elevation and the cycling operation of multiple electrical appliances – fuel flow rates may vary depending on these factors. Installations must strictly comply with all applicable codes, industry standards, laws, regulations and provided installation manual. Running engines give off carbon monoxide, an odorless, colorless, poisonous gas so it is important to keep exhaust gas away from any windows, doors, ventilation intakes or crawl spaces. The installation manual contains specific instructions related to generator placement in addition to NFPA 37, including the requirement that carbon monoxide detectors be installed and maintained in your home. Milbank reserves the right to make changes in specifications and features shown without notice or discontinue the product described at any time without notice or obligation.



# FEATURES & EXTRAS

## NON-STOP RELIABILITY

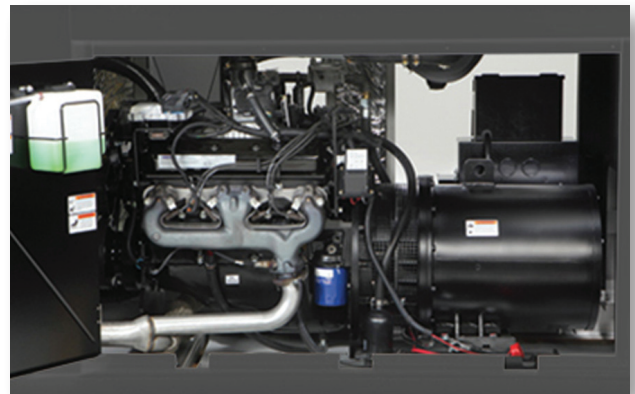
Experienced in powering critical industrial applications, this premium engine is a proven powerhouse. GM Vortec™ 1,800 RPM engines provide strong, reliable power without giving up quiet operation or durability. Plus, our low-operating speeds are designed for longer product life.



## EASY TO SERVICE

Convenient internal swing open doors make it easier to service and provide immediate access to the entire engine. You no longer have to take apart the bolted-together finger guards to access the engine, saving you precious time and the hassle of disassembly.

No cost or hidden fees are associated with support software to service Milbank commercial standby generators. Support software can be easily downloaded from the PowerPortal.



## INCLUDED EXTRAS

- Hour meter
- Battery charger
- Radiator fluid
- Oil

## AVAILABLE ACCESORIES

- Maintenance Kit | MG300022
- 35kW<sup>1</sup> Engine Block Heater Kit | MG624101
- Basic Wireless Monitor | MG626401  
(for use with 1Ø liquid-cooled models only)
- infohub™ Wireless Monitoring, MG6260IH1  
(for use with 1Ø liquid-cooled models only)

Not for Prime Power or use where standby systems are legally required, for serious life safety or health hazards, or where lack of power hampers rescue or fire-fighting operations. <sup>1</sup>This generator is rated in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-04 (motors and generators). <sup>2</sup>Warranty details available at milbankworks.com <sup>3</sup>Fuel consumption rates are estimated based on normal operating conditions. Generator operation may be greatly affected by elevation and the cycling operation of multiple electrical appliances – fuel flow rates may vary depending on these factors. Installations must strictly comply with all applicable codes, industry standards, laws, regulations and provided installation manual. Running engines give off carbon monoxide, an odorless, colorless, poisonous gas so it is important to keep exhaust gas away from any windows, doors, ventilation intakes or crawl spaces. The installation manual contains specific instructions related to generator placement in addition to NFPA 37, including the requirement that carbon monoxide detectors be installed and maintained in your home. Milbank reserves the right to make changes in specifications and features shown without notice or discontinue the product described at any time without notice or obligation.

# CONTROLLERS



## Standard Controller

- User-friendly control panel for troubleshooting
- Conveniently monitors diagnostic conditions, displays system fault codes and sets weekly exercise cycle
- Easy-to-read alpha-numeric scrolling display
- Single-phase generator application only



## InteliNano<sup>NT</sup> MRS Controller

- Cost effective controller that can be configured to application input, output and parameter requirements
- Large graphical display
- 3 phase sensing
- "Zero" power consumption mode
- Easy installation and user-friendly operation
- 10 event history log
- USB communication interface
- UL recognized



## InteliLite<sup>NT</sup> MRS 19 Controller

- Integrated controller that fulfills requirements needed for MRS applications
- Remote control
- User configuration
- Complete gen-set monitoring and protection
- Powerful graphic display
- Easy troubleshooting with comprehensive history log
- Operator friendly analog gauge outputs (VDO, Datcon)
- Remote control and monitoring capabilities
- UL recognized
- NFPA 110 capable controller

## Extension Modules

(sold separately; only work with 3Ø liquid-cooled models and InteliLite<sup>NT</sup> controller)

### Remote Annunciator | MG6267RA1

- 15 programmable LEDs with configurable colors
- Customizable labels
- Local horn output
- Lamp test function
- UL certified

### Remote Display | MG6266RD1

- Mimics primary controller
- Uses CAN communications

Not for Prime Power or use where standby systems are legally required, for serious life safety or health hazards, or where lack of power hampers rescue or fire-fighting operations. <sup>1</sup>This generator is rated in accordance with UL (Underwriters Laboratories) 2200 (stationary engine generator assemblies) and CSA (Canadian Standards Association) standard C22.2 No. 100-04 (motors and generators). <sup>2</sup>Warranty details available at milbankworks.com <sup>3</sup>Fuel consumption rates are estimated based on normal operating conditions. Generator operation may be greatly affected by elevation and the cycling operation of multiple electrical appliances – fuel flow rates may vary depending on these factors. Installations must strictly comply with all applicable codes, industry standards, laws, regulations and provided installation manual. Running engines give off carbon monoxide, an odorless, colorless, poisonous gas so it is important to keep exhaust gas away from any windows, doors, ventilation intakes or crawl spaces. The installation manual contains specific instructions related to generator placement in addition to NFPA 37, including the requirement that carbon monoxide detectors be installed and maintained in your home. Milbank reserves the right to make changes in specifications and features shown without notice or discontinue the product described at any time without notice or obligation.