



PRODUCT LINE 13 - 63 kVA

Generators with **YANMAR engine**

SDG-13YM - POWERED BY YANMAR

GENERATOR SET SPECIFICATIONS

- High quality and reliability.
- Structurally easy start-up and maintenance.
- Heavy duty water cooled diesel engine.
- Brushless industrial alternator with AVR.
- Steel base frame integrated with high cap. fuel tank.
- Anti - vibration mounts.
- High temperature, low oil pressure, fuel level alarms and shutdowns.
- Engine filled with lubrication oil and coolant mix.
- Engine coolant heater.
- Fuel level indicator on LCD display of controller.
- Complete protection of rotating and hot parts.
- industrial type silencer.
- Fuel tank and engine oil heater (Option).

CONTROL PANEL



- Multi - lingual control panel with microprocessor.
- Digital LCD - display provides simple, intuitive menu navigation and control of generator set operation.
- Key information is displayed via the LCD screen.
- Simple push-button control;
OFF - MANUAL - AUTO - TEST - START
- Manual programming on control panel.
- Circuit Breaker.
- Emergency stop button, light and sound alarm siren.
- Battery charger.
- Remote control with GSM modem (option).

SOUNDPROOF CANOPY

- Sound attenuated.
- Robust and highly corrosion resistant construction
- Excellent access for maintenance through 2-6 doors.
- Fully weatherproof.
- Base mounted lifting eyes and canopy lifting points.
- Non-flammable acoustic foam.
- Totally enclosed exhaust silencing system.
- Vibration absorber pads.



Technical data is a subject to change. Star assumes no responsibility for misprint. Pictures may differ from original product.

POWER RATINGS

Standby Power (ESP)	kVA / kW	13 / 10
Prime Power (PRP)	kVA / kW	12 / 9
Current (ESP)	A	18
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	YANMAR	3TNV88-GGEA
Engine Mechanical Power	kW	13,2
Air Intake System		Natural
Cylinder Volume	L	1,642
Cylinder Quantity / Type		3 / Line
Bore & Stroke	MM x MM	88x90
Fuel injection system		Direct
Governing Type		Mechanic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	2
Engine Coolant Capacity	L	6,7
Daily Fuel Tank Capacity	L	50
Fuel Consumption		
Load %100	L / H	2,8
Load %75	L / H	2,3
Load %50	L / H	1,7

ALTERNATOR

Alternator Make & Model	STAR	STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	13
Voltage - Frequency	V - Hz	400 / 230 - 50
Voltage Regulation		+/- 1.0
Insulation / Protection Class		H / IP 23
Pole Quantity		4

DIMENSIONS AND WEIGHTS



Open Type	LxWxH - mm / Weight - Kg	850x 1250 x 1000 / 375
Canopied Type	LxWxH - mm / Weight - Kg	850x 1385 x 1180 / 405

Standby Power (ESP): Emergency power under varying electrical load. Overload is not permitted.

Prime Power (PRP): Nominal power under varying electrical load for unlimited hours.10 % overload is available for a period of 1 hour within 12 hours.

SDG-19YM - POWERED BY YANMAR

GENERATOR SET SPECIFICATIONS

- High quality and reliability.
- Structurally easy start-up and maintenance.
- Heavy duty water cooled diesel engine.
- Brushless industrial alternator with AVR.
- Steel base frame integrated with high cap. fuel tank.
- Anti - vibration mounts.
- High temperature, low oil pressure, fuel level alarms and shutdowns.
- Engine filled with lubrication oil and coolant mix.
- Engine coolant heater.
- Fuel level indicator on LCD display of controller.
- Complete protection of rotating and hot parts.
- industrial type silencer.
- Fuel tank and engine oil heater (Option).

CONTROL PANEL



- Multi - lingual control panel with microprocessor.
- Digital LCD - display provides simple, intuitive menu navigation and control of generator set operation.
- Key information is displayed via the LCD screen.
- Simple push-button control;
OFF - MANUAL - AUTO - TEST - START
- Manual programming on control panel.
- Circuit Breaker.
- Emergency stop button, light and sound alarm siren.
- Battery charger.
- Remote control with GSM modem (option).

SOUNDPROOF CANOPY

- Sound attenuated.
- Robust and highly corrosion resistant construction
- Excellent access for maintenance through 2-6 doors.
- Fully weatherproof.
- Base mounted lifting eyes and canopy lifting points.
- Non-flammable acoustic foam.
- Totally enclosed exhaust silencing system.
- Vibration absorber pads.



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POWER RATINGS

Standby Power (ESP)	kVA / kW	19 / 15
Prime Power (PRP)	kVA / kW	17 / 14
Current (ESP)	A	27
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	YANMAR	4TNV88-GGEA
Engine Mechanical Power	kW	18
Air Intake System		Natural
Cylinder Volume	L	2,19
Cylinder Quantity / Type		4 / Line
Bore & Stroke Fuel Injection System	MM x MM	88x90 Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	2,7
Engine Coolant Capacity	L	7,4
Daily Fuel Tank Capacity	L	60
Load %100	L / H	3,8
Load %75	L / H	3,0
Load %50	L / H	2,3

ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	19
Voltage - Frequency	V - Hz	400 / 230 - 50
Voltage Regulation		+/- 1.0
Insulation / Protection Class		H / IP 23
Pole Quantity		4

DIMENSIONS AND WEIGHTS



Open Type	LxWxH - mm / Weight - Kg	950 x 1470 x 1070 / 400
Canopied Type	LxWxH - mm / Weight - Kg	950 x 2200 x 1265 / 480

Standby Power (ESP): Emergency power under varying electrical load. Overload is not permitted.

Prime Power (PRP): Nominal power under varying electrical load for unlimited hours. 10 % overload is available for a period of 1 hour within 12 hours.

SDG-22YM - POWERED BY YANMAR

GENERATOR SET SPECIFICATIONS

- High quality and reliability.
- Structurally easy start-up and maintenance.
- Heavy duty water cooled diesel engine.
- Brushless industrial alternator with AVR.
- Steel base frame integrated with high cap. fuel tank.
- Anti - vibration mounts.
- High temperature, low oil pressure, fuel level alarms and shutdowns.
- Engine filled with lubrication oil and coolant mix.
- Engine coolant heater.
- Fuel level indicator on LCD display of controller.
- Complete protection of rotating and hot parts.
- industrial type silencer.
- Fuel tank and engine oil heater (Option).

CONTROL PANEL



- Multi - lingual control panel with microprocessor.
- Digital LCD - display provides simple, intuitive menu navigation and control of generator set operation.
- Key information is displayed via the LCD screen.
- Simple push-button control;
OFF - MANUAL - AUTO - TEST - START
- Manual programming on control panel.
- Circuit Breaker.
- Emergency stop button, light and sound alarm siren.
- Battery charger.
- Remote control with GSM modem (option).

SOUNDPROOF CANOPY

- Sound attenuated.
- Robust and highly corrosion resistant construction
- Excellent access for maintenance through 2-6 doors.
- Fully weatherproof.
- Base mounted lifting eyes and canopy lifting points.
- Non-flammable acoustic foam.
- Totally enclosed exhaust silencing system.
- Vibration absorber pads.



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POWER RATINGS

Standby Power (ESP)	kVA / kW	22 / 18
Prime Power (PRP)	kVA / kW	20 / 16
Current (ESP)	A	31
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	YANMAR	4TNV84T-GGEA
Engine Mechanical Power	kW	21
Air Intake System		Turbocharged
Cylinder Volume	L	1,995
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	84x90
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	2,7
Engine Coolant Capacity	L	7,4
Daily Fuel Tank Capacity	L	60
Fuel Consumption		
Load %100	L / H	4,4
Load %75	L / H	3,5
Load %50	L / H	2,6

ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	22
Voltage - Frequency	V - Hz	400 / 230 - 50
Voltage Regulation		+/- 1.0
Insulation / Protection Class		H / IP 23
Pole Quantity		4

DIMENSIONS AND WEIGHTS



Open Type	LxWxH - mm / Weight - Kg	950 x 1470 x 1070 / 450
Canopied Type	LxWxH - mm / Weight - Kg	950 x 2200 x 1265 / 635

Standby Power (ESP): Emergency power under varying electrical load. Overload is not permitted.

Prime Power (PRP): Nominal power under varying electrical load for unlimited hours. 10 % overload is available for a period of 1 hour within 12 hours.

SDG-37YM - POWERED BY YANMAR

GENERATOR SET SPECIFICATIONS

- High quality and reliability.
- Structurally easy start-up and maintenance.
- Heavy duty water cooled diesel engine.
- Brushless industrial alternator with AVR.
- Steel base frame integrated with high cap. fuel tank.
- Anti - vibration mounts.
- High temperature, low oil pressure, fuel level alarms and shutdowns.
- Engine filled with lubrication oil and coolant mix.
- Engine coolant heater.
- Fuel level indicator on LCD display of controller.
- Complete protection of rotating and hot parts.
- industrial type silencer.
- Fuel tank and engine oil heater (Option).

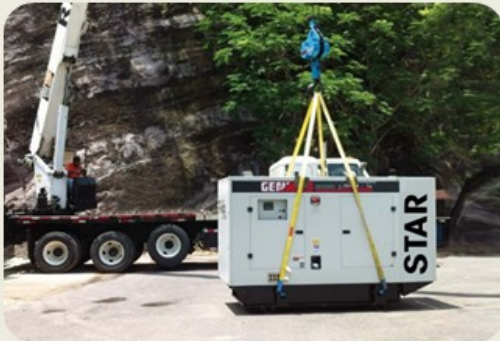
CONTROL PANEL



- Multi - lingual control panel with microprocessor.
- Digital LCD - display provides simple, intuitive menu navigation and control of generator set operation.
- Key information is displayed via the LCD screen.
- Simple push-button control;
- OFF - MANUAL - AUTO - TEST - START
- Manual programming on control panel.
- Circuit Breaker.
- Emergency stop button, light and sound alarm siren.
- Battery charger.
- Remote control with GSM modem (option).

SOUNDPROOF CANOPY

- Sound attenuated.
- Robust and highly corrosion resistant construction
- Excellent access for maintenance through 2-6 doors.
- Fully weatherproof.
- Base mounted lifting eyes and canopy lifting points.
- Non-flammable acoustic foam.
- Totally enclosed exhaust silencing system.
- Vibration absorber pads.



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POWER RATINGS

Standby Power (ESP)	kVA / kW	37 / 30
Prime Power (PRP)	kVA / kW	33 / 26
Current (ESP)	A	53
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	YANMAR	4TNV98-GGEA
Engine Mechanical Power	kW	34
Air Intake System		Natural
Cylinder Volume	L	3,319
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	98x110
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	4,2
Engine Coolant Capacity	L	10,5
Daily Fuel Tank Capacity	L	100
Fuel Consumption		
Load %100	L / H	7,0
Load %75	L / H	5,4
Load %50	L / H	3,7

ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	37
Voltage - Frequency	V - Hz	400 / 230 - 50
Voltage Regulation		+/- 1.0
Insulation / Protection Class		H / IP 23
Pole Quantity		4

DIMENSIONS AND WEIGHTS



Open Type	LxWxH - mm / Weight - Kg	1000 x 1480 x 1245 / 600
Canopied Type	LxWxH - mm / Weight - Kg	1000 x 2250 x 1500 / 800

Standby Power (ESP): Emergency power under varying electrical load. Overload is not permitted.

Prime Power (PRP): Nominal power under varying electrical load for unlimited hours. 10 % overload is available for a period of 1 hour within 12 hours.

SDG-45YM - POWERED BY YANMAR

GENERATOR SET SPECIFICATIONS

- High quality and reliability.
- Structurally easy start-up and maintenance.
- Heavy duty water cooled diesel engine.
- Brushless industrial alternator with AVR.
- Steel base frame integrated with high cap. fuel tank.
- Anti - vibration mounts.
- High temperature, low oil pressure, fuel level alarms and shutdowns.
- Engine filled with lubrication oil and coolant mix.
- Engine coolant heater.
- Fuel level indicator on LCD display of controller.
- Complete protection of rotating and hot parts.
- industrial type silencer.
- Fuel tank and engine oil heater (Option).

CONTROL PANEL



- Multi - lingual control panel with microprocessor.
- Digital LCD - display provides simple, intuitive menu navigation and control of generator set operation.
- Key information is displayed via the LCD screen.
- Simple push-button control;
- OFF - MANUAL - AUTO - TEST - START
- Manual programming on control panel.
- Circuit Breaker.
- Emergency stop button, light and sound alarm siren.
- Battery charger.
- Remote control with GSM modem (option).

SOUNDPROOF CANOPY

- Sound attenuated.
- Robust and highly corrosion resistant construction
- Excellent access for maintenance through 2-6 doors.
- Fully weatherproof.
- Base mounted lifting eyes and canopy lifting points.
- Non-flammable acoustic foam.
- Totally enclosed exhaust silencing system.
- Vibration absorber pads.



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POWER RATINGS

Standby Power (ESP)	kVA / kW	45 / 36
Prime Power (PRP)	kVA / kW	40 / 32
Current (ESP)	A	65
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	YANMAR	4TNV98T-GGEA
Engine Mechanical Power	kW	41,4
Air Intake System		Turbocharged
Cylinder Volume	L	3,319
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	98x110
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	4,2
Engine Coolant Capacity	L	10,5
Daily Fuel Tank Capacity	L	100
Fuel Consumption		
Load %100	L / H	8,2
Load %75	L / H	6,4
Load %50	L / H	4,5

ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	45
Voltage - Frequency	V - Hz	400 / 230 - 50
Voltage Regulation		+/- 1.0
Insulation / Protection Class		H / IP 23
Pole Quantity		4

DIMENSIONS AND WEIGHTS



Open Type	LxWxH - mm / Weight - Kg	1000 x 1480 x 1245 / 620
Canopied Type	LxWxH - mm / Weight - Kg	1000 x 2250 x 1500 / 825

Standby Power (ESP): Emergency power under varying electrical load. Overload is not permitted.

Prime Power (PRP): Nominal power under varying electrical load for unlimited hours. 10 % overload is available for a period of 1 hour within 12 hours.

SDG-55YM - POWERED BY YANMAR

GENERATOR SET SPECIFICATIONS

- High quality and reliability.
- Structurally easy start-up and maintenance.
- Heavy duty water cooled diesel engine.
- Brushless industrial alternator with AVR.
- Steel base frame integrated with high cap. fuel tank.
- Anti - vibration mounts.
- High temperature, low oil pressure, fuel level alarms and shutdowns.
- Engine filled with lubrication oil and coolant mix.
- Engine coolant heater.
- Fuel level indicator on LCD display of controller.
- Complete protection of rotating and hot parts.
- industrial type silencer.
- Fuel tank and engine oil heater (Option).

CONTROL PANEL



- Multi - lingual control panel with microprocessor.
- Digital LCD - display provides simple, intuitive menu navigation and control of generator set operation.
- Key information is displayed via the LCD screen.
- Simple push-button control;
OFF - MANUAL - AUTO - TEST - START
- Manual programming on control panel.
- Circuit Breaker.
- Emergency stop button, light and sound alarm siren.
- Battery charger.
- Remote control with GSM modem (option).

SOUNDPROOF CANOPY

- Sound attenuated.
- Robust and highly corrosion resistant construction
- Excellent access for maintenance through 2-6 doors.
- Fully weatherproof.
- Base mounted lifting eyes and canopy lifting points.
- Non-flammable acoustic foam.
- Totally enclosed exhaust silencing system.
- Vibration absorber pads.



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POWER RATINGS

Standby Power (ESP)	kVA / kW	55 / 44
Prime Power (PRP)	kVA / kW	50 / 40
Current (ESP)	A	79
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	YANMAR	4TNV106-GGEA
Engine Mechanical Power	kW	49,4
Air Intake System		Natural
Cylinder Volume	L	4,412
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	106x125
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	6
Engine Coolant Capacity	L	14
Daily Fuel Tank Capacity	L	100
Fuel Consumption		
Load %100	L / H	10,1
Load %75	L / H	7,5
Load %50	L / H	5,3

ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	55
Voltage - Frequency	V - Hz	400 / 230 - 50
Voltage Regulation		+/- 1.0
Insulation / Protection Class		H / IP 23
Pole Quantity		4

DIMENSIONS AND WEIGHTS



Open Type	LxWxH - mm / Weight - Kg	1000 x 1480 x 1245 / 730
Canopied Type	LxWxH - mm / Weight - Kg	1000 x 2250 x 1500 / 950

Standby Power (ESP): Emergency power under varying electrical load. Overload is not permitted.

Prime Power (PRP): Nominal power under varying electrical load for unlimited hours. 10% overload is available for a period of 1 hour within 12 hours.

SDG-63YM - POWERED BY YANMAR

GENERATOR SET SPECIFICATIONS

- High quality and reliability.
- Structurally easy start-up and maintenance.
- Heavy duty water cooled diesel engine.
- Brushless industrial alternator with AVR.
- Steel base frame integrated with high cap. fuel tank.
- Anti - vibration mounts.
- High temperature, low oil pressure, fuel level alarms and shutdowns.
- Engine filled with lubrication oil and coolant mix.
- Engine coolant heater.
- Fuel level indicator on LCD display of controller.
- Complete protection of rotating and hot parts.
- industrial type silencer.
- Fuel tank and engine oil heater (Option).

CONTROL PANEL



- Multi - lingual control panel with microprocessor.
- Digital LCD - display provides simple, intuitive menu navigation and control of generator set operation.
- Key information is displayed via the LCD screen.
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OFF - MANUAL - AUTO - TEST - START
- Manual programming on control panel.
- Circuit Breaker.
- Emergency stop button, light and sound alarm siren.
- Battery charger.
- Remote control with GSM modem (option).

SOUNDPROOF CANOPY

- Sound attenuated.
- Robust and highly corrosion resistant construction
- Excellent access for maintenance through 2-6 doors.
- Fully weatherproof.
- Base mounted lifting eyes and canopy lifting points.
- Non-flammable acoustic foam.
- Totally enclosed exhaust silencing system.
- Vibration absorber pads.



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POWER RATINGS

Standby Power (ESP)	kVA / kW	63 / 50
Prime Power (PRP)	kVA / kW	57 / 46
Current (ESP)	A	91
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	YANMAR	4TNV106T-GGEA
Engine Mechanical Power	kW	56
Air Intake System		Turbocharged
Cylinder Volume	L	4,412
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	106x125
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	6
Engine Coolant Capacity	L	14
Daily Fuel Tank Capacity	L	115
Fuel Consumption		
Load %100	L / H	11,2
Load %75	L / H	8,5
Load %50	L / H	6,1

ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	63
Voltage - Frequency	V - Hz	400 / 230 - 50
Voltage Regulation		+/- 1.0
Insulation / Protection Class		H / IP 23
Pole Quantity		4

DIMENSIONS AND WEIGHTS



Open Type	LxWxH - mm / Weight - Kg	1000 x 1480 x 1245 / 775
Canopied Type	LxWxH - mm / Weight - Kg	1000 x 2370 x 1530 / 995

Standby Power (ESP): Emergency power under varying electrical load. Overload is not permitted.

Prime Power (PRP): Nominal power under varying electrical load for unlimited hours. 10 % overload is available for a period of 1 hour within 12 hours.