

STAR
g e n e r a t o r



PRODUCT LINE 22 - 400 kVA

Generators with **KOFO engine**

DIESEL GENERATOR SET

SDG-22K - POWERED BY KOFO

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	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	KOFO	4YT23-20D
Engine Mechanical Power	kW	20
Air Intake System		Natural
Cylinder Volume	L	2,31
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	88x95
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	10
Engine Coolant Capacity	L	12
Daily Fuel Tank Capacity	L	62
Fuel Consumption		
Load %100	L / H	4,7
Load %75	L / H	3,7
Load %50	L / H	2,8

ALTERNATOR

Alternator Make & Model	STAR	SA184E
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 1750 x 1190 / 587
Canopied Type	LxWxH - mm / Weight - Kg	950 x 2200 x 1265 / 648

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-35K - POWERED BY KOFO

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	35/28
Prime Power (PRP)	kVA / kW	32/26
Current (ESP)	A	48
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	MN4100DS-30
Engine Mechanical Power	kW	33
Air Intake System		Natural
Cylinder Volume	L	3,61
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	100x115
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	12
Engine Coolant Capacity	L	13
Daily Fuel Tank Capacity	L	62
Fuel Consumption		
Load %100	L / H	5,7
Load %75	L / H	4,3
Load %50	L / H	2,2

ALTERNATOR

Alternator Make & Model	STAR	SA184G
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	35
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	1000x 1480 x 1277 / 700
Canopied Type	LxWxH - mm / Weight - Kg	1000 x 2250 x 1500 / 900

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-40K - POWERED BY KOFO

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	40/32
Prime Power (PRP)	kVA / kW	36/29
Current (ESP)	A	57
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	MN4100ZDS-38
Engine Mechanical Power	kW	38
Air Intake System		Natural
Cylinder Volume	L	4,15
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	105x120
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	13
Engine Coolant Capacity	L	18
Daily Fuel Tank Capacity	L	105
Fuel Consumption		
Load %100	L / H	8,4
Load %75	L / H	6,6
Load %50	L / H	5

ALTERNATOR

Alternator Make & Model	STAR	SA184H
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	40
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 1277 / 800
Canopied Type	LxWxH - mm / Weight - Kg	1000 x 2250 x 1500 / 1005

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-55K - POWERED BY KOFO

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).

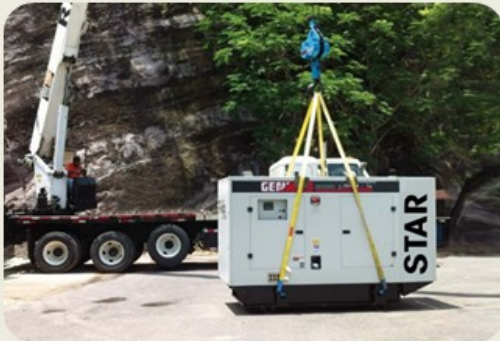
CONTROL PANEL



- 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	KOFO	MN4105ZDS
Engine Mechanical Power	kW	56
Air Intake System		Natural
Cylinder Volume	L	4,15
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	105 x 120
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	13
Engine Coolant Capacity	L	18
Daily Fuel Tank Capacity	L	120
Fuel Consumption		
Load %100	L / H	11,5
Load %75	L / H	9,1
Load %50	L / H	6,2

ALTERNATOR

Alternator Make & Model	STAR	SA224D
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 1700 x 1235 / 863
Canopied Type	LxWxH - mm / Weight - Kg	1000 x 2370 x 1530 / 1050

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-75K - POWERED BY KOFO

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	75/60
Prime Power (PRP)	kVA / kW	68/55
Current (ESP)	A	108
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	MN4105ZLDS
Engine Mechanical Power	kW	66
Air Intake System		Natural
Cylinder Volume	L	4,15
Cylinder Quantity / Type		4/ Line
Bore & Stroke	MM x MM	105 x 120
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	13
Engine Coolant Capacity	L	18
Daily Fuel Tank Capacity	L	120
Fuel Consumption		
Load %100	L / H	15,0
Load %75	L / H	11,8
Load %50	L / H	8,1

ALTERNATOR

Alternator Make & Model	STAR	SA224F
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	75
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 1700 x 1300 / 975
Canopied Type	LxWxH - mm / Weight - Kg	1000 x 2370 x 1530 / 1195

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-90K - POWERED BY KOFO

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	90/72
Prime Power (PRP)	kVA / kW	81/65
Current (ESP)	A	134
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	4RT55-88D
Engine Mechanical Power	kW	88
Air Intake System		Turbocharged
Cylinder Volume	L	5,32
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	110x140
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	17
Engine Coolant Capacity	L	23
Daily Fuel Tank Capacity	L	185
Fuel Consumption		
Load %100	L / H	18,0
Load %75	L / H	13,5
Load %50	L / H	9

ALTERNATOR

Alternator Make & Model	STAR	SA224G
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	90
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	1050 x 2090 x 1650 / 1050
Canopied Type	LxWxH - mm / Weight - Kg	1050 x 2700 x 1830 / 1450

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-110K - POWERED BY KOFO

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).

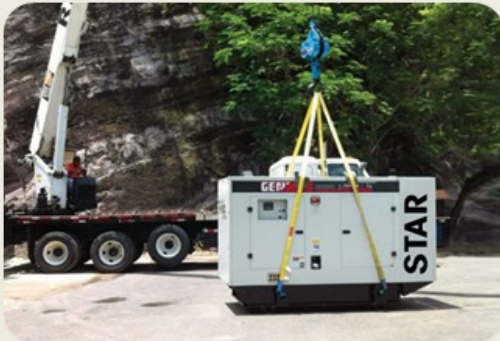
CONTROL PANEL



- 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	110 / 88
Prime Power (PRP)	kVA / kW	100 / 80
Current (ESP)	A	159
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	4RT55-88D
Engine Mechanical Power	kW	88
Air Intake System		Turbocharged
Cylinder Volume	L	5,32
Cylinder Quantity / Type		4/ Line
Bore & Stroke	MM x MM	110x140
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	17
Engine Coolant Capacity	L	24
Daily Fuel Tank Capacity	L	185
Fuel Consumption		
Load %100	L / H	18,0
Load %75	L / H	13,5
Load %50	L / H	9

ALTERNATOR

Alternator Make & Model	STAR	SA274C
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	110
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	1050 x 2090 x 1650 / 1050
Canopied Type	LxWxH - mm / Weight - Kg	1050 x 2700 x 1830 / 1450

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-125K - POWERED BY KOFO

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	125 / 100
Prime Power (PRP)	kVA / kW	113 / 99
Current (ESP)	A	180
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	4RT55-110D
Engine Mechanical Power	kW	110
Air Intake System		Turbocharged
Cylinder Volume	L	5,32
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	110 x 140
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	17
Engine Coolant Capacity	L	27
Daily Fuel Tank Capacity	L	275
Fuel Consumption		
Load %100	L / H	20,5
Load %75	L / H	15,3
Load %50	L / H	10,2

ALTERNATOR

Alternator Make & Model	STAR	SA274D
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	125
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	1050 x 2400 x 1750 / 1270
Canopied Type	LxWxH - mm / Weight - Kg	1050 x 3000 x 2130 / 1525

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-150K - POWERED BY KOFO

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).

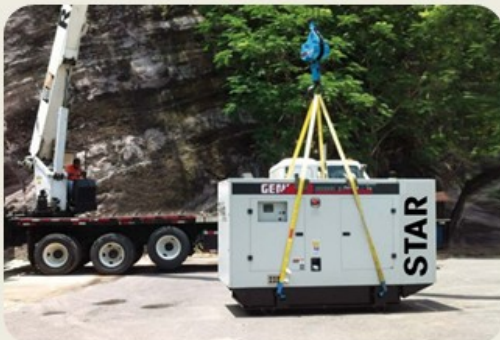
CONTROL PANEL



- 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	150 / 120
Prime Power (PRP)	kVA / kW	135 / 108
Current (ESP)	A	217
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	6RT80-132D
Engine Mechanical Power	kW	132
Air Intake System		Turbocharged
Cylinder Volume	L	7,98
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	110 x 140
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	18
Engine Coolant Capacity	L	33
Daily Fuel Tank Capacity	L	300
Fuel Consumption		
Load %100	L / H	24,5
Load %75	L / H	18,4
Load %50	L / H	12,3

ALTERNATOR

Alternator Make & Model	STAR	SA274E
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	150
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	1050 x 2400 x 1750 / 1400
Canopied Type	LxWxH - mm / Weight - Kg	1050 x 3000 x 2130 / 1655

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-175K - POWERED BY KOFO

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	175 / 140
Prime Power (PRP)	kVA / kW	158 / 126
Current (ESP)	A	253
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	6RT80-176DE
Engine Mechanical Power	kW	176
Air Intake System		Turbocharged
Cylinder Volume	L	7,98
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	110 x 140
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	18
Engine Coolant Capacity	L	46
Daily Fuel Tank Capacity	L	300
Fuel Consumption		
Load %100	L / H	32,7
Load %75	L / H	24,5
Load %50	L / H	16,5

ALTERNATOR

Alternator Make & Model	STAR	SA274F
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	175
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	1100 x 2470 x 1475 / 1550
Canopied Type	LxWxH - mm / Weight - Kg	1100 x 2950 x 1790 / 1895

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-200K - POWERED BY KOFO

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).

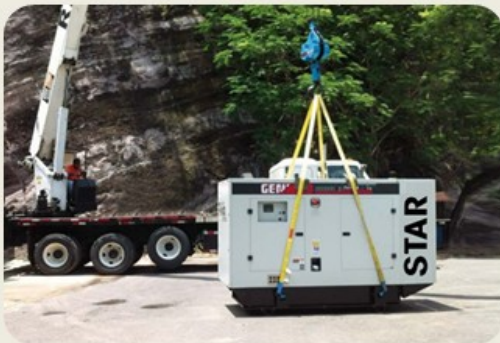
CONTROL PANEL



- 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	200 / 160
Prime Power (PRP)	kVA / kW	180 / 144
Current (ESP)	A	289
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	6RT80-176DE
Engine Mechanical Power	kW	176
Air Intake System		Turbocharged
Cylinder Volume	L	7,98
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	110 x 140
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	18
Engine Coolant Capacity	L	46
Daily Fuel Tank Capacity	L	300
Fuel Consumption		
Load %100	L / H	34,3
Load %75	L / H	27,0
Load %50	L / H	18,5

ALTERNATOR

Alternator Make & Model	STAR	SA274G
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	200
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	1100 x 2470 x 1475 / 1550
Canopied Type	LxWxH - mm / Weight - Kg	1100 x 2950 x 1790 / 1895

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-225K - POWERED BY KOFO

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	225 / 180
Prime Power (PRP)	kVA / kW	203 / 162
Current (ESP)	A	325
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	6RT80-176DE
Engine Mechanical Power	kW	176
Air Intake System		Turbocharged
Cylinder Volume	L	7,98
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	110 x 140
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	18
Engine Coolant Capacity	L	46
Daily Fuel Tank Capacity	L	300
Fuel Consumption		
Load %100	L / H	35,0
Load %75	L / H	27,5
Load %50	L / H	19,0

ALTERNATOR

Alternator Make & Model	STAR	SA274H
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	225
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	1100 x 2470 x 1475 / 1550
Canopied Type	LxWxH - mm / Weight - Kg	1100 x 2950 x 1790 / 1895

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-250K - POWERED BY KOFO

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	250 / 200
Prime Power (PRP)	kVA / kW	225 / 180
Current (ESP)	A	361
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	WT10B-231DE
Engine Mechanical Power	kW	231
Air Intake System		Turbocharged
Cylinder Volume	L	9,72
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	126 x 130
Fuel injection system		Direct
Governing Type		Mechanic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	30
Engine Coolant Capacity	L	52
Daily Fuel Tank Capacity	L	325
Fuel Consumption		
Load %100	L / H	48,6
Load %75	L / H	36,2
Load %50	L / H	24,3

ALTERNATOR

Alternator Make & Model	STAR	SA274J
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	250
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	1150 x 2880 x 1709 / 1857
Canopied Type	LxWxH - mm / Weight - Kg	1150 x 3525 x 1980 / 2285

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-275K - POWERED BY KOFO

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).

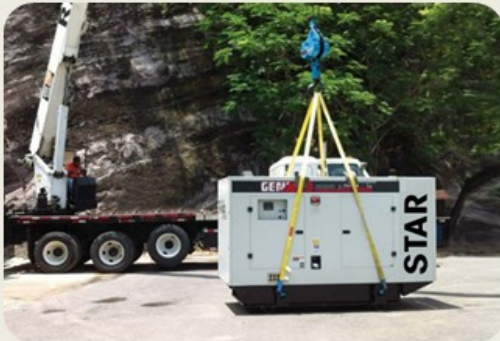
CONTROL PANEL



- 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	275 / 220
Prime Power (PRP)	kVA / kW	248 / 198
Current (ESP)	A	380
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	WT10B-231DE
Engine Mechanical Power	kW	231
Air Intake System		Turbocharged
Cylinder Volume	L	9,72
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	126 x 130
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	30
Engine Coolant Capacity	L	52
Daily Fuel Tank Capacity	L	325
Fuel Consumption		
Load %100	L / H	50,6
Load %75	L / H	38,2
Load %50	L / H	26,3

ALTERNATOR

Alternator Make & Model	STAR	SA274K
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	275
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	1150 x 2880 x 1711 / 1953
Canopied Type	LxWxH - mm / Weight - Kg	1150 x 3525 x 1980 / 2385

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-300K - POWERED BY KOFO

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	300 / 240
Prime Power (PRP)	kVA / kW	270 / 216
Current (ESP)	A	433
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	WT10B-275DE
Engine Mechanical Power	kW	275
Air Intake System		Turbocharged
Cylinder Volume	L	9,72
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	126 x 130
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	30
Engine Coolant Capacity	L	52
Daily Fuel Tank Capacity	L	400
Fuel Consumption		
Load %100	L / H	54,1
Load %75	L / H	40,8
Load %50	L / H	27,3

ALTERNATOR

Alternator Make & Model	STAR	SA314D
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	300
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	1300 x 2980 x 1750 / 2280
Canopied Type	LxWxH - mm / Weight - Kg	1300 x 3640 x 2105 / 2770

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.

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	350/ 280
Prime Power (PRP)	kVA / kW	315 / 252
Current (ESP)	A	505
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	WT13B-308D
Engine Mechanical Power	kW	308
Air Intake System		Turbocharged
Cylinder Volume	L	12,53
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	131 x 155
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	30
Engine Coolant Capacity	L	55
Daily Fuel Tank Capacity	L	485
Fuel Consumption		
Load %100	L / H	60,8
Load %75	L / H	49,4
Load %50	L / H	32,1

ALTERNATOR

Alternator Make & Model	STAR	SA314ES
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	350
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	1300 x 2980 x 1750 / 2435
Canopied Type	LxWxH - mm / Weight - Kg	1500 x 4300 x 2385 / 3135

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-400K - POWERED BY KOFO

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).

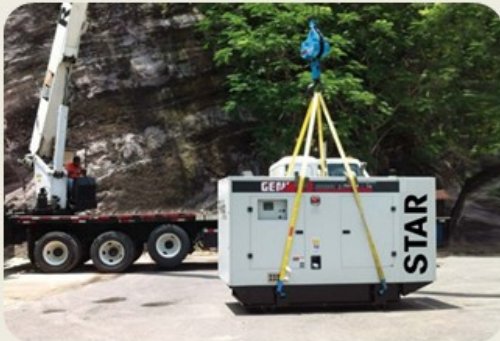
CONTROL PANEL



- 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	400 / 320
Prime Power (PRP)	kVA / kW	360 / 288
Current (ESP)	A	577
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	KOFO	WT13B-330D
Engine Mechanical Power	kW	330
Air Intake System		Turbocharged
Cylinder Volume	L	12,53
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	131 x 155
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	30
Engine Coolant Capacity	L	55
Daily Fuel Tank Capacity	L	500
Fuel Consumption		
Load %100	L / H	73,8
Load %75	L / H	54,4
Load %50	L / H	37,4

ALTERNATOR

Alternator Make & Model	STAR	SA314FS
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	400
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	1300 x 2980 x 1750 / 2675
Canopied Type	LxWxH - mm / Weight - Kg	1500 x 4300 x 2385 / 3875

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.