

STAR
g e n e r a t o r



STAR
POWER GENERATION

CE ISO 9001
STAR

PRODUCT LINE 35 - 400 kVA

Generators with RICARDO engine

SDG-35R - POWERED BY RICARDO

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	35/28
Prime Power (PRP)	kVA / kW	32/26
Current (ESP)	A	50,4
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	RICARDO	K4100D
Engine Mechanical Power	kW	33
Air Intake System		Natural
Cylinder Volume	L	3,61
Cylinder Quantity / Type		4L
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	13
Engine Coolant Capacity	L	13
Daily Fuel Tank Capacity	L	110
Fuel Consumption		
Load %100	L / H	6,6
Load %75	L / H	4,9
Load %50	L / H	3,3

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	1000 x 1750 x 1450 / 700
Canopied Type	LxWxH - mm / Weight - Kg	1000 x 2300 x 1700 / 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-40R - POWERED BY RICARDO

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	57,7
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	RICARDO	K4100D
Engine Mechanical Power	kW	33
Air Intake System		Natural
Cylinder Volume	L	3,61
Cylinder Quantity / Type		4L
Bore & Stroke	MM x MM	100/115
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	13
Daily Fuel Tank Capacity	L	110
Fuel Consumption		
Load %100	L / H	6,6
Load %75	L / H	4,9
Load %50	L / H	3,3

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 1750 x 1450 / 700
Canopied Type	LxWxH - mm / Weight - Kg	1000 x 2300 x 1700 / 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-55R - POWERED BY RICARDO

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	79,2
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	RICARDO	K4100ZD
Engine Mechanical Power	kW	44
Air Intake System		Turbocharged
Cylinder Volume	L	3,61
Cylinder Quantity / Type		4L
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	13
Engine Coolant Capacity	L	13
Daily Fuel Tank Capacity	L	110
Fuel Consumption		
Load %100	L / H	9,1
Load %75	L / H	6,9
Load %50	L / H	4,6

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 1750 x 1450 / 780
Canopied Type	LxWxH - mm / Weight - Kg	1000 x 2300 x 1700 / 1030

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-75R - POWERED BY RICARDO

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).

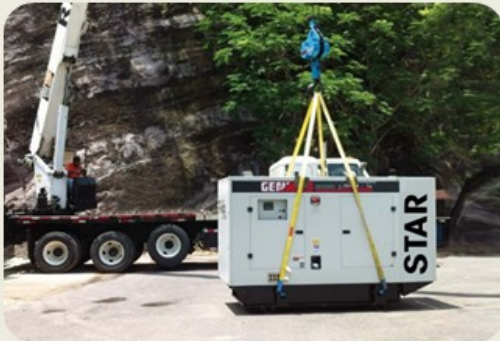
CONTROL PANEL



- 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	68/54
Current (ESP)	A	108
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	RICARDO	R4105ZD
Engine Mechanical Power	kW	62
Air Intake System		Turbocharged
Cylinder Volume	L	3,61
Cylinder Quantity / Type		4L
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	13
Engine Coolant Capacity	L	13
Daily Fuel Tank Capacity	L	185
Fuel Consumption		
Load %100	L / H	12,8
Load %75	L / H	9,6
Load %50	L / H	6,4

ALTERNATOR

Alternator Make & Model	STAR	SA224E
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	1050 x 2090 x 1650 / 860
Canopied Type	LxWxH - mm / Weight - Kg	1050 x 2700 x 1830 / 1130

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-90R - POWERED BY RICARDO

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	121
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	RICARDO	R4105IZD
Engine Mechanical Power	kW	73
Air Intake System		Turbocharged
Cylinder Volume	L	4,40
Cylinder Quantity / Type		4L
Bore & Stroke	MM x MM	105x125
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	13
Engine Coolant Capacity	L	16
Daily Fuel Tank Capacity	L	200
Fuel Consumption		
Load %100	L / H	16
Load %75	L / H	12
Load %50	L / H	8,2

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 / 890
Canopied Type	LxWxH - mm / Weight - Kg	1050 x 2700 x 1830 / 1160

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-110R - POWERED BY RICARDO

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	158
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	RICARDO	R6105ZD
Engine Mechanical Power	kW	92
Air Intake System		Turbocharged
Cylinder Volume	L	6,49
Cylinder Quantity / Type		6L
Bore & Stroke	MM x MM	105x130
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	16
Engine Coolant Capacity	L	23
Daily Fuel Tank Capacity	L	300
Fuel Consumption		
Load %100	L / H	17,9
Load %75	L / H	13,4
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 2400 x 1750 / 1160
Canopied Type	LxWxH - mm / Weight - Kg	1050 x 3000 x 2130 / 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-125R - POWERED BY RICARDO

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).

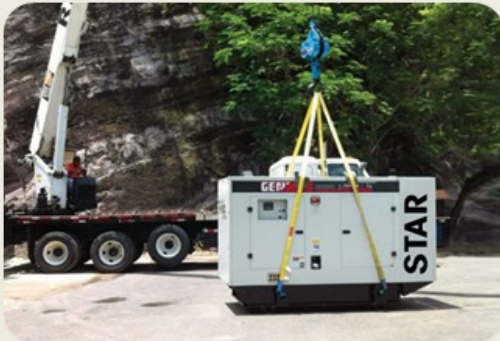
CONTROL PANEL



- 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 / 90
Current (ESP)	A	180
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	RICARDO	R6105ZLD
Engine Mechanical Power	kW	92
Air Intake System		Turbocharged
Cylinder Volume	L	6,49
Cylinder Quantity / Type		6L
Bore & Stroke	MM x MM	105x130
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	16
Engine Coolant Capacity	L	23
Daily Fuel Tank Capacity	L	300
Fuel Consumption		
Load %100	L / H	20,4
Load %75	L / H	15,3
Load %50	L / H	10,2

ALTERNATOR

Alternator Make & Model	STAR	SA274C
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 / 1300
Canopied Type	LxWxH - mm / Weight - Kg	1050 x 3000 x 2130 / 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-150R - POWERED BY RICARDO

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	216
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	RICARDO	R6105AZLD
Engine Mechanical Power	kW	121
Air Intake System		Turbocharged
Cylinder Volume	L	6,75
Cylinder Quantity / Type		6L
Bore & Stroke	MM x MM	105x130
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	16
Engine Coolant Capacity	L	25
Daily Fuel Tank Capacity	L	300
Fuel Consumption		
Load %100	L / H	24,4
Load %75	L / H	18,3
Load %50	L / H	12,2

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 / 1655
Canopied Type	LxWxH - mm / Weight - Kg	1050 x 3000 x 2130 / 1475

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-175R - POWERED BY RICARDO

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	175/140
Prime Power (PRP)	kVA / kW	158/126
Current (ESP)	A	249
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	RICARDO	R6105IZLD
Engine Mechanical Power	kW	145
Air Intake System		Turbocharged
Cylinder Volume	L	7,01
Cylinder Quantity / Type		6L
Bore & Stroke	MM x MM	105x135
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	16
Engine Coolant Capacity	L	25
Daily Fuel Tank Capacity	L	300
Fuel Consumption		
Load %100	L / H	28,5
Load %75	L / H	21,4
Load %50	L / H	14,3

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	1050 x 2400 x 1750 / 1675
Canopied Type	LxWxH - mm / Weight - Kg	1050 x 3000 x 2130 / 1490

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-225R - POWERED BY RICARDO

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	225/180
Prime Power (PRP)	kVA / kW	203/162
Current (ESP)	A	321
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

ENGINE

Engine Make & Model	RICARDO	R6110ZLDS
Engine Mechanical Power	kW	170
Air Intake System		Turbocharged
Cylinder Volume	L	7,69
Cylinder Quantity / Type		6L
Bore & Stroke	MM x MM	110x135
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	23
Daily Fuel Tank Capacity	L	350
Fuel Consumption		
Load %100	L / H	40,0
Load %75	L / H	30,0
Load %50	L / H	20,0

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 2770 x 1600 / 1720
Canopied Type	LxWxH - mm / Weight - Kg	1100 x 3070 x 2000 / 2200

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-250R - POWERED BY RICARDO

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).

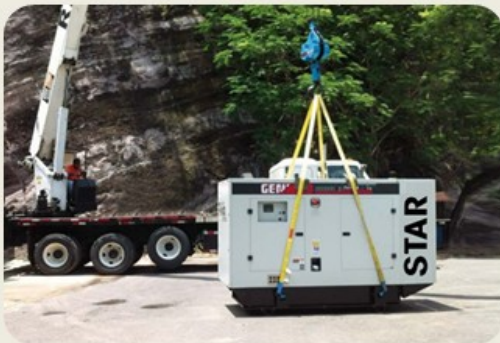
CONTROL PANEL



- 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	360
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

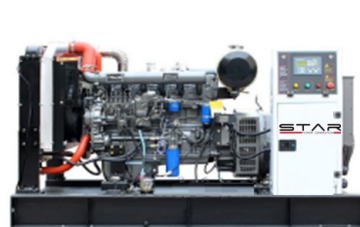
ENGINE

Engine Make & Model	RICARDO	6113AZLDD1
Engine Mechanical Power	kW	181
Air Intake System		Turbocharged
Cylinder Volume	L	7,69
Cylinder Quantity / Type		6L
Bore & Stroke	MM x MM	113x130
Fuel injection system		Direct
Governing Type		Mechanical
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	16
Engine Coolant Capacity	L	24
Daily Fuel Tank Capacity	L	350
Fuel Consumption		
Load %100	L / H	44,4
Load %75	L / H	33,7
Load %50	L / H	23

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	1150x 2800 x 1700 / 1800
Canopied Type	LxWxH - mm / Weight - Kg	1150x 3500 x 1900 / 2200

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-300R - POWERED BY RICARDO

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	300/240
Prime Power (PRP)	kVA / kW	270/216
Current (ESP)	A	431
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

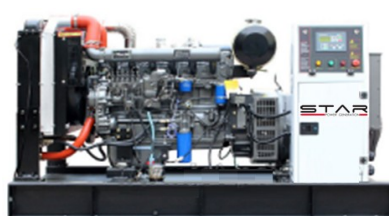
ENGINE

Engine Make & Model	RICARDO	6126A-260DE
Engine Mechanical Power	kW	260
Air Intake System		Turbocharged
Cylinder Volume	L	10,97
Cylinder Quantity / Type		6L
Bore & Stroke	MM x MM	126x135
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	35
Engine Coolant Capacity	L	70
Daily Fuel Tank Capacity	L	350
Fuel Consumption		
Load %100	L / H	52,0
Load %75	L / H	40,0
Load %50	L / H	25,8

ALTERNATOR

Alternator Make & Model	STAR	SA274K
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	1200 x 3380 x 1800 / 1920
Canopied Type	LxWxH - mm / Weight - Kg	1200 x 3680 x 2200 / 2650

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-400R - POWERED BY RICARDO

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	RICARDO	WT12D-308E
Engine Mechanical Power	kW	308
Air Intake System		Turbocharged
Cylinder Volume	L	12,3
Cylinder Quantity / Type		6L
Bore & Stroke	MM x MM	126x165
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	35
Engine Coolant Capacity	L	70
Daily Fuel Tank Capacity	L	400
Fuel Consumption		
Load %100	L / H	53,0
Load %75	L / H	41,0
Load %50	L / H	26

ALTERNATOR

Alternator Make & Model	STAR	SA314F
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	1200x 3380 x 1800 / 2050
Canopied Type	LxWxH - mm / Weight - Kg	1200 x 3680 x 2200 / 2650

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.