

**STAR**  
g e n e r a t o r

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**PRODUCT LINE 10 - 2500 kVA**

**Generators with PERKINS engine**

### SDG-10P - POWERED BY PERKINS

#### 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	10 / 8
Prime Power (PRP)	kVA / kW	9 / 7
Current (ESP)	A	14
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	403A-11G1
Engine Mechanical Power	kW	9,2
Air Intake System		Natural
Cylinder Volume	L	1,131
Cylinder Quantity / Type		3 / Line
Bore & Stroke	MM x MM	77 x 81
Fuel injection system		Direct
Governing Type		Mechanic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	4,9
Engine Coolant Capacity	L	5,2
Daily Fuel Tank Capacity	L	75
Fuel Consumption		
Load %100	L / H	2,9
Load %75	L / H	2,2
Load %50	L / H	1,5

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	10
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	1250 x 750 x 1000 / 400
Canopied Type	LxWxH - mm / Weight - Kg	1500 x 750 x 1200 / 525

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-15P - POWERED BY PERKINS

#### 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	15 / 12
Prime Power (PRP)	kVA / kW	14 / 11
Current (ESP)	A	22
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	403A-15G1
Engine Mechanical Power	kW	13,5
Air Intake System		Natural
Cylinder Volume	L	1,496
Cylinder Quantity / Type		3 / Line
Bore & Stroke	MM x MM	84 x 90
Fuel injection system		Direct
Governing Type		Mechanic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	6
Engine Coolant Capacity	L	6
Daily Fuel Tank Capacity	L	75
Fuel Consumption		
Load %100	L / H	4,1
Load %75	L / H	3,1
Load %50	L / H	2,1

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	15
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	1250 x 750 x 1000 / 400
Canopied Type	LxWxH - mm / Weight - Kg	1500 x 750 x 1200 / 525

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-22P - POWERED BY PERKINS

#### 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	32
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	404A-22G1
Engine Mechanical Power	kW	20,3
Air Intake System		Natural
Cylinder Volume	L	2,216
Cylinder Quantity / Type		4/ Line
Bore & Stroke	MM x MM	84 x 100
Fuel injection system		Direct
Governing Type		Mechanic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	7
Engine Coolant Capacity	L	10,6
Daily Fuel Tank Capacity	L	90
Fuel Consumption		
Load %100	L / H	5,9
Load %75	L / H	4,4
Load %50	L / H	3,0

#### 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	1500 x 750 x 1000 / 475
Canopied Type	LxWxH - mm / Weight - Kg	1750 x 1000 x 1200 / 625

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-33P - POWERED BY PERKINS

#### 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 ).

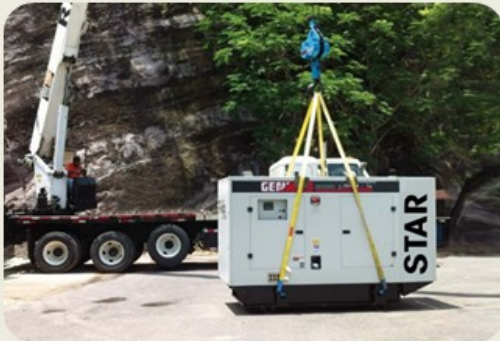
#### CONTROL PANEL



- 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	33 / 26
Prime Power (PRP)	kVA / kW	30 / 24
Current (ESP)	A	47
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	1103A-33G
Engine Mechanical Power	kW	31
Air Intake System		Natural
Cylinder Volume	L	3,3
Cylinder Quantity / Type		3 / Line
Bore & Stroke	MM x MM	105 x 127
Fuel injection system		Direct
Governing Type		Mechanic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	7,9
Engine Coolant Capacity	L	10,2
Daily Fuel Tank Capacity	L	260
Fuel Consumption		
Load %100	L / H	7,7
Load %75	L / H	5,8
Load %50	L / H	3,9

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	33
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	1650 x 1000 x 1300 / 750
Canopied Type	LxWxH - mm / Weight - Kg	2000 x 1000 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-50P - POWERED BY PERKINS

#### 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	50 / 40
Prime Power (PRP)	kVA / kW	45 / 36
Current (ESP)	A	72
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	1103A-33TG1
Engine Mechanical Power	kW	46,5
Air Intake System		Turbocharger
Cylinder Volume	L	3,3
Cylinder Quantity / Type		3 / Line
Bore & Stroke	MM x MM	105 x 127
Fuel injection system		Direct
Governing Type		Mechanic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	7,9
Engine Coolant Capacity	L	10,2
Daily Fuel Tank Capacity	L	260
Fuel Consumption		
Load %100	L / H	11,7
Load %75	L / H	8,8
Load %50	L / H	5,9

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	50
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	1650 x 1000 x 1300 / 800
Canopied Type	LxWxH - mm / Weight - Kg	2250 x 1000 x 1600 / 1025

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-66P - POWERED BY PERKINS

#### 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	66 / 53
Prime Power (PRP)	kVA / kW	60 / 48
Current (ESP)	A	95
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	1103A-33TG2
Engine Mechanical Power	kW	60,5
Air Intake System		Turbocharger
Cylinder Volume	L	3,3
Cylinder Quantity / Type		3 / Line
Bore & Stroke	MM x MM	105 x 127
Fuel injection system		Direct
Governing Type		Mechanic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	7,9
Engine Coolant Capacity	L	10,2
Daily Fuel Tank Capacity	L	260
Fuel Consumption		
Load %100	L / H	15,0
Load %75	L / H	11,3
Load %50	L / H	7,5

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	66
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	1650 x 1000 x 1300 / 850
Canopied Type	LxWxH - mm / Weight - Kg	2250 x 1000 x 1600 / 1075

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-71P - POWERED BY PERKINS

#### 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 ).

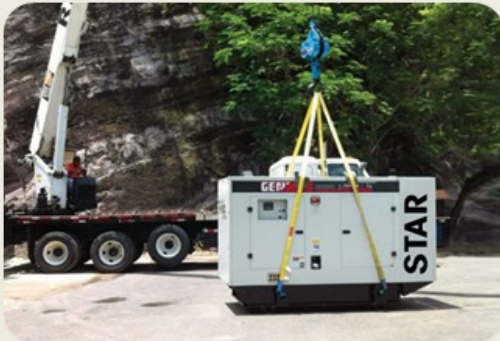
#### CONTROL PANEL



- 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	71 / 57
Prime Power (PRP)	kVA / kW	65 / 52
Current (ESP)	A	102
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	1104A-44TG1
Engine Mechanical Power	kW	65,6
Air Intake System		Turbocharger
Cylinder Volume	L	4,4
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	105 x 127
Fuel injection system		Direct
Governing Type		Mechanic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	8
Engine Coolant Capacity	L	13
Daily Fuel Tank Capacity	L	300
Fuel Consumption		
Load %100	L / H	18,2
Load %75	L / H	11,7
Load %50	L / H	9,1

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	71
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	1750 x 1000 x 1400 / 950
Canopied Type	LxWxH - mm / Weight - Kg	2500 x 1000 x 1750 / 1200

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-88P - POWERED BY PERKINS

#### 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	88 / 70
Prime Power (PRP)	kVA / kW	80 / 64
Current (ESP)	A	127
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	1104A-44TG2
Engine Mechanical Power	kW	80,7
Air Intake System		Turbocharger
Cylinder Volume	L	4,4
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	105 x 127
Fuel injection system		Direct
Governing Type		Mechanic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	8
Engine Coolant Capacity	L	13
Daily Fuel Tank Capacity	L	300
Fuel Consumption		
Load %100	L / H	20,1
Load %75	L / H	15,1
Load %50	L / H	10,1

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	88
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	1750 x 1000 x 1400 / 1000
Canopied Type	LxWxH - mm / Weight - Kg	2500 x 1000 x 1750 / 1250

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-110P - POWERED BY PERKINS

#### 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	PERKINS	1104C-44TAG2
Engine Mechanical Power	kW	103
Air Intake System		Turbocharger
Cylinder Volume	L	4,4
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	105 x 127
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	8
Engine Coolant Capacity	L	12
Daily Fuel Tank Capacity	L	350
Fuel Consumption		
Load %100	L / H	23,9
Load %75	L / H	17,9
Load %50	L / H	12,0

#### ALTERNATOR

Alternator Make & Model		STAR
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	2000 x 1000 x 1400 / 1150
Canopied Type	LxWxH - mm / Weight - Kg	2750 x 1000 x 1750 / 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-150P - POWERED BY PERKINS

#### 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	150 / 120
Prime Power (PRP)	kVA / kW	136 / 109
Current (ESP)	A	216
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	1106A-70TG1
Engine Mechanical Power	kW	136
Air Intake System		Turbocharger
Cylinder Volume	L	7,01
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	105 x 135
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	12
Engine Coolant Capacity	L	18
Daily Fuel Tank Capacity	L	390
Fuel Consumption		
Load %100	L / H	33,4
Load %75	L / H	25,1
Load %50	L / H	16,7

#### ALTERNATOR

Alternator Make & Model		STAR
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	2350 x 1000 x 1600 / 1550
Canopied Type	LxWxH - mm / Weight - Kg	3250 x 1000 x 1750 / 1875

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-165P - POWERED BY PERKINS

#### 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	165 / 132
Prime Power (PRP)	kVA / kW	150 / 120
Current (ESP)	A	238
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	1106A-70TAG2
Engine Mechanical Power	kW	154
Air Intake System		Turbocharger
Cylinder Volume	L	7,01
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	105 x 135
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	16,5
Engine Coolant Capacity	L	21
Daily Fuel Tank Capacity	L	750
Fuel Consumption		
Load %100	L / H	35,1
Load %75	L / H	26,3
Load %50	L / H	17,6

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	165
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	3000 x 1300 x 1600 / 1850
Canopied Type	LxWxH - mm / Weight - Kg	3750 x 1300 x 2300 / 2250

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-200P - POWERED BY PERKINS

#### 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	182 / 145
Current (ESP)	A	289
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	1106A-70TAG3
Engine Mechanical Power	kW	176
Air Intake System		Turbocharger
Cylinder Volume	L	7,01
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	105 x 135
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	16,5
Engine Coolant Capacity	L	21
Daily Fuel Tank Capacity	L	750
Fuel Consumption		
Load %100	L / H	43,2
Load %75	L / H	32,4
Load %50	L / H	21,6

#### ALTERNATOR

Alternator Make & Model		STAR
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	3000 x 1300 x 1600 / 1950
Canopied Type	LxWxH - mm / Weight - Kg	3750x 1300 x 2300 / 2400

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-225P - POWERED BY PERKINS

#### 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	205 / 164
Current (ESP)	A	325
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	1106A-70TAG4
Engine Mechanical Power	kW	199
Air Intake System		Turbocharger
Cylinder Volume	L	7,01
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	105 x 135
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	41
Engine Coolant Capacity	L	44
Daily Fuel Tank Capacity	L	750
Fuel Consumption		
Load %100	L / H	49,0
Load %75	L / H	36,8
Load %50	L / H	24,5

#### ALTERNATOR

Alternator Make & Model		STAR
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	3000 x 1300 x 1600 / 2000
Canopied Type	LxWxH - mm / Weight - Kg	3750 x 1300 x 2300 / 2450

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-250P - POWERED BY PERKINS

#### 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 ).

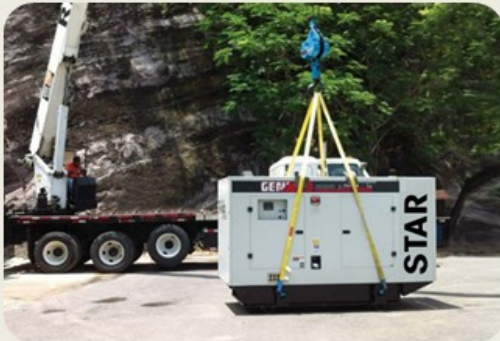
#### CONTROL PANEL



- 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	227 / 182
Current (ESP)	A	361
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	1506A-E88TAG2
Engine Mechanical Power	kW	222
Air Intake System		Turbocharger
Cylinder Volume	L	8,8
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	112 x 149
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	33
Engine Coolant Capacity	L	41
Daily Fuel Tank Capacity	L	750
Fuel Consumption		
Load %100	L / H	53,4
Load %75	L / H	40,1
Load %50	L / H	26,7

#### ALTERNATOR

Alternator Make & Model		STAR
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	3000 x 1300 x 1800 / 2100
Canopied Type	LxWxH - mm / Weight - Kg	3750 x 1300 x 2300 / 2550

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-275P - POWERED BY PERKINS

#### 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	275 / 220
Prime Power (PRP)	kVA / kW	250 / 200
Current (ESP)	A	397
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	SDK6105ZD
Engine Mechanical Power	kW	1206A-E70TTAG3
Air Intake System		Turbocharger
Cylinder Volume	L	244
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	112 x 149
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	33
Engine Coolant Capacity	L	41
Daily Fuel Tank Capacity	L	750
Fuel Consumption		
Load %100	L / H	53,4
Load %75	L / H	40,1
Load %50	L / H	26,7

#### ALTERNATOR

Alternator Make & Model		STAR
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	3000 x 1300 x 1800 / 2200
Canopied Type	LxWxH - mm / Weight - Kg	3750 x 1300 x 2300 / 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-300P - POWERED BY PERKINS

#### 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	273 / 218
Current (ESP)	A	433
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

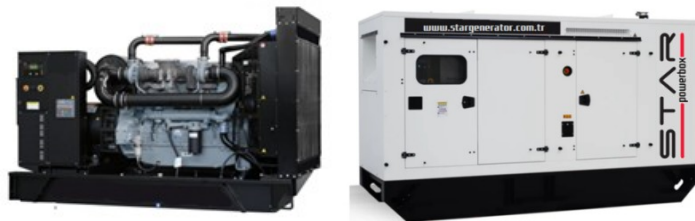
#### ENGINE

Engine Make & Model	PERKINS	1506A-E88TAG4
Engine Mechanical Power	kW	267
Air Intake System		Turbocharger
Cylinder Volume	L	8,8
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	112 x 149
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	41
Engine Coolant Capacity	L	44
Daily Fuel Tank Capacity	L	750
Fuel Consumption		
Load %100	L / H	60,1
Load %75	L / H	45,1
Load %50	L / H	30,1

#### ALTERNATOR

Alternator Make & Model		STAR
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	3000 x 1300 x 1800 / 3000
Canopied Type	LxWxH - mm / Weight - Kg	3750 x 1300 x 2300 / 3450

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-330P - POWERED BY PERKINS

#### 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 ).

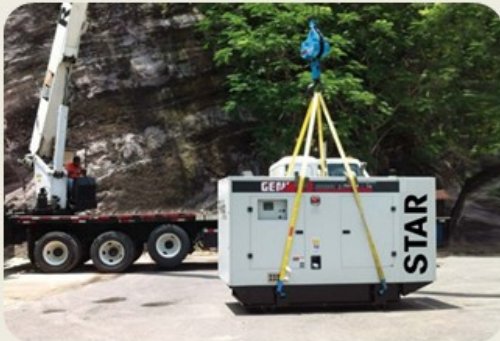
#### CONTROL PANEL



- 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	330 / 264
Prime Power (PRP)	kVA / kW	300 / 240
Current (ESP)	A	476
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	1506A-E88TAG5
Engine Mechanical Power	kW	293
Air Intake System		Turbocharger
Cylinder Volume	L	8,8
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	112 x 149
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	41
Engine Coolant Capacity	L	44
Daily Fuel Tank Capacity	L	750
Fuel Consumption		
Load %100	L / H	64,8
Load %75	L / H	48,6
Load %50	L / H	32,4

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	330
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	3000 x 1300 x 1800 / 3100
Canopied Type	LxWxH - mm / Weight - Kg	3750 x 1300 x 2300 / 3550

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-385P - POWERED BY PERKINS

#### 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	385 / 308
Prime Power (PRP)	kVA / kW	350 / 280
Current (ESP)	A	556
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	2206A-E13TAGG2
Engine Mechanical Power	kW	349
Air Intake System		Turbocharger
Cylinder Volume	L	12,5
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	130 x 157
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	40
Engine Coolant Capacity	L	52
Daily Fuel Tank Capacity	L	750
Fuel Consumption		
Load %100	L / H	77,0
Load %75	L / H	57,8
Load %50	L / H	38,5

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	385
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	3250 x 1600 x 2100 / 3250
Canopied Type	LxWxH - mm / Weight - Kg	4250 x 1600 x 2500 / 3850

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-450P - POWERED BY PERKINS

#### 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	450 / 360
Prime Power (PRP)	kVA / kW	409 / 327
Current (ESP)	A	649
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

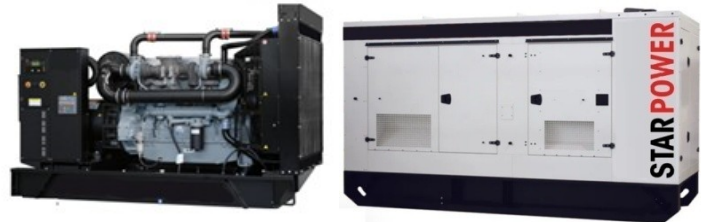
#### ENGINE

Engine Make & Model	PERKINS	2206A-E13TAG3
Engine Mechanical Power	kW	413
Air Intake System		Turbocharger
Cylinder Volume	L	12,5
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	130 x 157
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	40
Engine Coolant Capacity	L	52
Daily Fuel Tank Capacity	L	750
Fuel Consumption		
Load %100	L / H	89,2
Load %75	L / H	66,9
Load %50	L / H	44,6

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	450
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	3250 x 1300 x 2100 / 3350
Canopied Type	LxWxH - mm / Weight - Kg	4250 x 1600 x 2500 / 3950

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-500P - POWERED BY PERKINS

#### 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	500 / 400
Prime Power (PRP)	kVA / kW	455 / 364
Current (ESP)	A	722
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

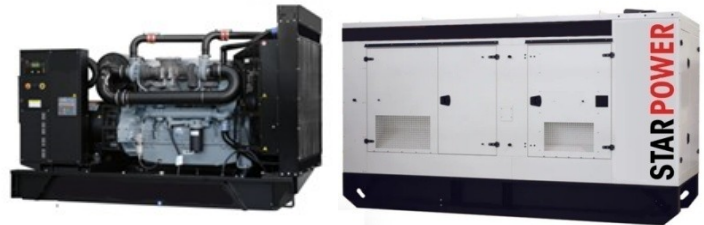
#### ENGINE

Engine Make & Model	PERKINS	2506A-E15TAG1
Engine Mechanical Power	kW	451
Air Intake System		Turbocharger
Cylinder Volume	L	15,2
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	137 x 171
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	58
Engine Coolant Capacity	L	62
Daily Fuel Tank Capacity	L	750
Fuel Consumption		
Load %100	L / H	103,1
Load %75	L / H	77,3
Load %50	L / H	51,6

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	500
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	3500 x 1300 x 2200 / 3800
Canopied Type	LxWxH - mm / Weight - Kg	4500 x 1600 x 2500 / 4500

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-550P - POWERED BY PERKINS

#### 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	550 / 440
Prime Power (PRP)	kVA / kW	500 / 400
Current (ESP)	A	794
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

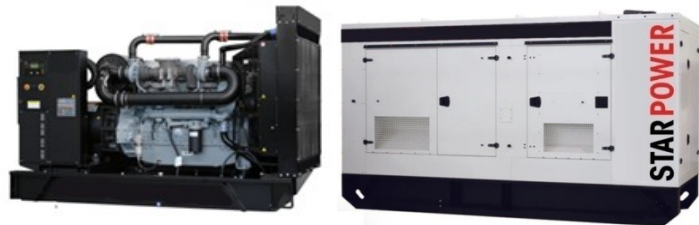
#### ENGINE

Engine Make & Model	PERKINS	2506A-E15TAG2
Engine Mechanical Power	kW	485
Air Intake System		Turbocharger
Cylinder Volume	L	15,2
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	137 x 171
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	58
Engine Coolant Capacity	L	62
Daily Fuel Tank Capacity	L	750
Fuel Consumption		
Load %100	L / H	108,6
Load %75	L / H	81,5
Load %50	L / H	54,3

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	550
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	3500 x 1300 x 2200 / 3950
Canopied Type	LxWxH - mm / Weight - Kg	4500 x 1600 x 2500 / 4650

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-660P - POWERED BY PERKINS

#### 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	660 / 528
Prime Power (PRP)	kVA / kW	600 / 480
Current (ESP)	A	952
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

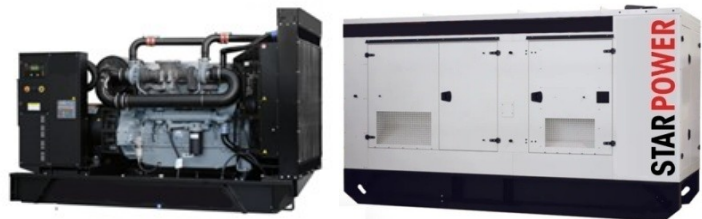
#### ENGINE

Engine Make & Model	PERKINS	2806A-E18TAG1
Engine Mechanical Power	kW	593
Air Intake System		Turbocharger
Cylinder Volume	L	18,1
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	145 x 183
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	61
Engine Coolant Capacity	L	62
Daily Fuel Tank Capacity	L	1100
Fuel Consumption		
Load %100	L / H	133,1
Load %75	L / H	99,8
Load %50	L / H	66,6

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	660
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	3500 x 1600 x 2200 / 4550
Canopied Type	LxWxH - mm / Weight - Kg	4750 x 1600 x 2500 / 5450

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-725P - POWERED BY PERKINS

#### 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 ).

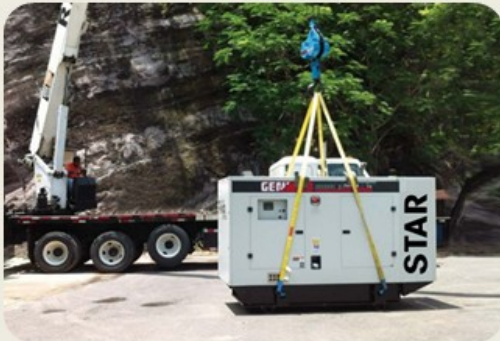
#### CONTROL PANEL



- 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	725 / 580
Prime Power (PRP)	kVA / kW	659 / 527
Current (ESP)	A	1046
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	2806A-E18TAG2
Engine Mechanical Power	kW	609
Air Intake System		Turbocharger
Cylinder Volume	L	18,1
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	145 x 183
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	61
Engine Coolant Capacity	L	62
Daily Fuel Tank Capacity	L	1100
Fuel Consumption		
Load %100	L / H	139,9
Load %75	L / H	104,9
Load %50	L / H	70,0

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	725
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	3500 x 1600 x 2200 / 4750
Canopied Type	LxWxH - mm / Weight - Kg	4750 x 1600 x 2500 / 5750

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-825P - POWERED BY PERKINS

#### 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 ).

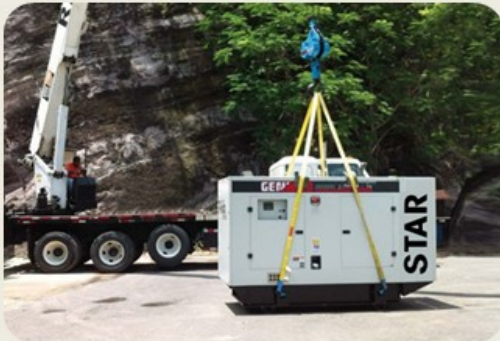
#### CONTROL PANEL



- 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	825 / 660
Prime Power (PRP)	kVA / kW	750 / 600
Current (ESP)	A	1191
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	4006-23TAG2A
Engine Mechanical Power	kW	695
Air Intake System		Turbocharger
Cylinder Volume	L	22,92
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	160 x 190
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	105
Engine Coolant Capacity	L	113
Daily Fuel Tank Capacity	L	1250
Fuel Consumption		
Load %100	L / H	163,4
Load %75	L / H	122,6
Load %50	L / H	81,7

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	825
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	4000 x 2200 x 2400 / 6150
Canopied Type	LxWxH - mm / Weight - Kg	5000 x 2200 x 2500 / 7150

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-900P - POWERED BY PERKINS

#### 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 ).

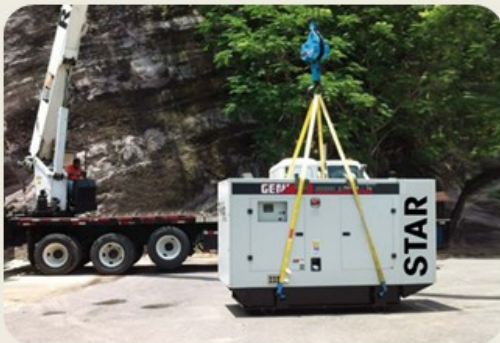
#### CONTROL PANEL



- 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	900 / 720
Prime Power (PRP)	kVA / kW	818 / 654
Current (ESP)	A	1270
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	4006-23TAG3A
Engine Mechanical Power	kW	760
Air Intake System		Turbocharger
Cylinder Volume	L	22,92
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	160 x 190
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	105
Engine Coolant Capacity	L	113
Daily Fuel Tank Capacity	L	1250
Fuel Consumption		
Load %100	L / H	183,5
Load %75	L / H	137,6
Load %50	L / H	91,8

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	900
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	4000 x 2200 x 2400 / 6250
Canopied Type	LxWxH - mm / Weight - Kg	5000 x 2200 x 2500 / 7250

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-1000P - POWERED BY PERKINS

#### 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	1000 / 800
Prime Power (PRP)	kVA / kW	909 / 727
Current (ESP)	A	1443
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	4008-TAG1A
Engine Mechanical Power	kW	844
Air Intake System		Turbocharger
Cylinder Volume	L	30,56
Cylinder Quantity / Type		8 / Line
Bore & Stroke	MM x MM	160 x 190
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	143
Engine Coolant Capacity	L	153
Daily Fuel Tank Capacity	L	1500
Fuel Consumption		
Load %100	L / H	217,2
Load %75	L / H	162,9
Load %50	L / H	108,6

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	1000
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	5000 x 2200 x 2400 / 7150
Canopied Type	LxWxH - mm / Weight - Kg	5500 x 2200 x 2750 / 8350

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-1125P - POWERED BY PERKINS

#### 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	1125 / 900
Prime Power (PRP)	kVA / kW	1022 / 818
Current (ESP)	A	1625
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	4008-TAG2A
Engine Mechanical Power	kW	947
Air Intake System		Turbocharger
Cylinder Volume	L	30,56
Cylinder Quantity / Type		8 / Line
Bore & Stroke	MM x MM	160 x 190
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	143
Engine Coolant Capacity	L	153
Daily Fuel Tank Capacity	L	1500
Fuel Consumption		
Load %100	L / H	241,0
Load %75	L / H	180,8
Load %50	L / H	120,5

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	1125
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	5000 x 2200 x 2400 / 7300
Canopied Type	LxWxH - mm / Weight - Kg	5500 x 2200 x 2750 / 8500

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-1250P - POWERED BY PERKINS

#### 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	1250 / 1000
Prime Power (PRP)	kVA / kW	1136 / 909
Current (ESP)	A	1804
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	4008-30TAG3
Engine Mechanical Power	kW	1055
Air Intake System		Turbocharger
Cylinder Volume	L	30,56
Cylinder Quantity / Type		8 / Line
Bore & Stroke	MM x MM	160 x 190
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	143
Engine Coolant Capacity	L	153
Daily Fuel Tank Capacity	L	2000
Fuel Consumption		
Load %100	L / H	249,3
Load %75	L / H	189,5
Load %50	L / H	131,0

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	1250
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	5000 x 2200 x 2500 / 7950
Canopied Type	LxWxH - mm / Weight - Kg	9100 x 2430 x 2800 / 11950

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-1385P - POWERED BY PERKINS

#### 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 ).

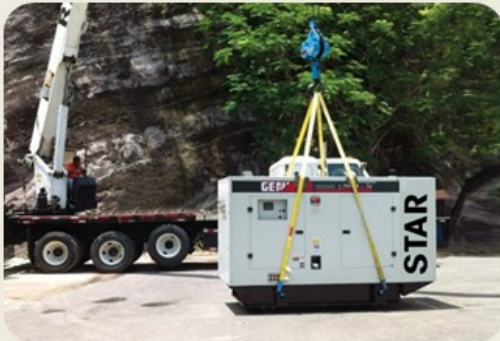
#### CONTROL PANEL



- 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	1385 / 1108
Prime Power (PRP)	kVA / kW	1259 / 1007
Current (ESP)	A	1999
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	4012-46TWG2A
Engine Mechanical Power	kW	1166
Air Intake System		Turbocharger
Cylinder Volume	L	45,84
Cylinder Quantity / Type		12 / V
Bore & Stroke	MM x MM	160 x 190
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	177
Engine Coolant Capacity	L	201
Daily Fuel Tank Capacity	L	2000
Fuel Consumption		
Load %100	L / H	277,0
Load %75	L / H	207,0
Load %50	L / H	139,0

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	1385
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	5000 x 2200 x 2500 / 9500
Canopied Type	LxWxH - mm / Weight - Kg	9100 x 2430 x 2800 / 13500

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-1500P - POWERED BY PERKINS

#### 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	1500 / 1200
Prime Power (PRP)	kVA / kW	1364 / 1091
Current (ESP)	A	2165
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	4012-46TWG3A
Engine Mechanical Power	kW	1263
Air Intake System		Turbocharger
Cylinder Volume	L	45,84
Cylinder Quantity / Type		12 / V
Bore & Stroke	MM x MM	160 x 190
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	177
Engine Coolant Capacity	L	201
Daily Fuel Tank Capacity	L	2000
Fuel Consumption		
Load %100	L / H	313,4
Load %75	L / H	235,1
Load %50	L / H	156,7

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	1500
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	5000 x 2200 x 2500 / 9950
Canopied Type	LxWxH - mm / Weight - Kg	9100 x 2430 x 2800 / 14500

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-1650P - POWERED BY PERKINS

#### 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	1656 / 1325
Prime Power (PRP)	kVA / kW	1505 / 1204
Current (ESP)	A	2390
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	4012-46TAG2A
Engine Mechanical Power	kW	1395
Air Intake System		Turbocharger
Cylinder Volume	L	45,84
Cylinder Quantity / Type		12 / V
Bore & Stroke	MM x MM	160 x 190
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	177
Engine Coolant Capacity	L	240
Daily Fuel Tank Capacity	L	2500
Fuel Consumption		
Load %100	L / H	326,3
Load %75	L / H	244,7
Load %50	L / H	163,2

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	1650
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	5000 x 2200 x 2500 / 10900
Canopied Type	LxWxH - mm / Weight - Kg	9140 x 2430 x 2890 / 15400

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-1900P - POWERED BY PERKINS

#### 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	1875 / 1500
Prime Power (PRP)	kVA / kW	1705 / 1364
Current (ESP)	A	2706
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	4012-46TAG3A
Engine Mechanical Power	kW	1583
Air Intake System		Turbocharger
Cylinder Volume	L	45,84
Cylinder Quantity / Type		12 / V
Bore & Stroke	MM x MM	160 x 190
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	177
Engine Coolant Capacity	L	240
Daily Fuel Tank Capacity	L	2500
Fuel Consumption		
Load %100	L / H	392,6
Load %75	L / H	294,5
Load %50	L / H	196,3

#### ALTERNATOR

Alternator Make & Model	STAR	STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	1900
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	5000 x 2200 x 2500 / 11750
Canopied Type	LxWxH - mm / Weight - Kg	9140 x 2430 x 2890 / 16250

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-2000P - POWERED BY PERKINS

#### 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	2000 / 1600
Prime Power (PRP)	kVA / kW	1818 / 1455
Current (ESP)	A	2886
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	4016-TAG1A
Engine Mechanical Power	kW	1690
Air Intake System		Turbocharger
Cylinder Volume	L	61,12
Cylinder Quantity / Type		16 / V
Bore & Stroke	MM x MM	160 x 190
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	237
Engine Coolant Capacity	L	320
Daily Fuel Tank Capacity	L	3000
Fuel Consumption		
Load %100	L / H	419,9
Load %75	L / H	314,9
Load %50	L / H	210,0

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	2000
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	6000 x 2400 x 2900 / 15750
Canopied Type	LxWxH - mm / Weight - Kg	0000 x 0000 x 0000 / 00000

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-2250P - POWERED BY PERKINS

#### 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	2250 / 1800
Prime Power (PRP)	kVA / kW	2045 / 1636
Current (ESP)	A	3247
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	4016-TAG2A
Engine Mechanical Power	kW	1715
Air Intake System		Turbocharger
Cylinder Volume	L	61,12
Cylinder Quantity / Type		16 / V
Bore & Stroke	MM x MM	160 x 190
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	237
Engine Coolant Capacity	L	320
Daily Fuel Tank Capacity	L	3000
Fuel Consumption		
Load %100	L / H	486,8
Load %75	L / H	365,1
Load %50	L / H	243,4

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	2250
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	6000 x 2400 x 2900 / 16000
Canopied Type	LxWxH - mm / Weight - Kg	0000 x 0000 x 0000 / 00000

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-2500P - POWERED BY PERKINS

#### 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	2500 / 2000
Prime Power (PRP)	kVA / kW	2273 / 1818
Current (ESP)	A	3608
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	PERKINS	4016-61TRG3
Engine Mechanical Power	kW	2083
Air Intake System		Turbocharger
Cylinder Volume	L	61,12
Cylinder Quantity / Type		16 / V
Bore & Stroke	MM x MM	160 x 190
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	237
Engine Coolant Capacity	L	320
Daily Fuel Tank Capacity	L	3000
Fuel Consumption		
Load %100	L / H	527,0
Load %75	L / H	395,3
Load %50	L / H	263,5

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	2500
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	6000 x 2400 x 3000 / 14500
Canopied Type	LxWxH - mm / Weight - Kg	0000 x 0000 x 0000 / 00000

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.