

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

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**STAR**  
POWER GENERATION

CE ISO 9001  
STAR

**PRODUCT LINE 110 - 825 kVA**

**Generators with VOLVO engine**

### SDG-110V - POWERED BY VOLVO

#### 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	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	VOLVO	TAD531GE
Engine Mechanical Power	kW	97
Air Intake System		Turbocharger
Cylinder Volume	L	4,76
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	108 x 130
Fuel injection system		Direct
Governing Type		Mechanic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	13
Engine Coolant Capacity	L	19,7
Daily Fuel Tank Capacity	L	185
Fuel Consumption		
Load %100	L / H	24,0
Load %75	L / H	18,0
Load %50	L / H	12,4

#### 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	1100 x 2070 x 1611 / 1198
Canopied Type	LxWxH - mm / Weight - Kg	1100 x 2650 x 1881 / 1458

**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-145V - POWERED BY VOLVO

#### 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	145 / 116
Prime Power (PRP)	kVA / kW	132 / 105
Current (ESP)	A	209
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	VOLVO	TAD532GE
Engine Mechanical Power	kW	125
Air Intake System		Turbocharger
Cylinder Volume	L	4,76
Cylinder Quantity / Type		4 / Line
Bore & Stroke	MM x MM	108 x 130
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	12
Oil Capacity	L	13
Engine Coolant Capacity	L	20,2
Daily Fuel Tank Capacity	L	260
Fuel Consumption		
Load %100	L / H	29,7
Load %75	L / H	21,9
Load %50	L / H	14,8

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	145
Voltage - Frequency	V - Hz	400 / 230 - 50
Voltage Regulation		+/- 1.0
Insulation / Protection Class		H / IP 23
Pole Quantity		4

#### DIMENSIONS AND WEIGHTS



Open Type	LxWxH - mm / Weight - Kg	1100 x 2470 x 1651 / 1347
Canopied Type	LxWxH - mm / Weight - Kg	1100 x 2950 x 1790 / 1677

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-200V - POWERED BY VOLVO

#### 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	VOLVO	TAD732GE
Engine Mechanical Power	kW	176
Air Intake System		Turbocharger
Cylinder Volume	L	7,15
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	108 x 130
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	32
Engine Coolant Capacity	L	34
Daily Fuel Tank Capacity	L	400
Fuel Consumption		
Load %100	L / H	41,6
Load %75	L / H	31,2
Load %50	L / H	21,4

#### 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	1300 x 2980 x 1758 / 1860
Canopied Type	LxWxH - mm / Weight - Kg	1300 x 3640 x 2105 / 2350

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-225V - POWERED BY VOLVO

#### 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 ).

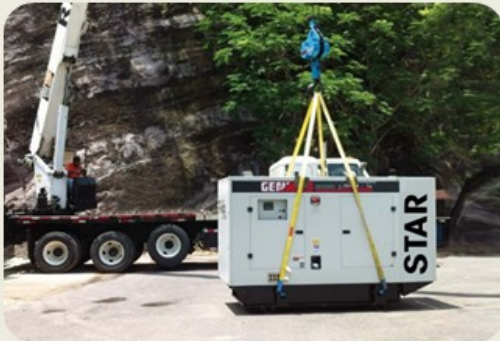
#### CONTROL PANEL



- 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	VOLVO	TAD733GE
Engine Mechanical Power	kW	194
Air Intake System		Turbocharger
Cylinder Volume	L	7,15
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	108 x 130
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	32
Engine Coolant Capacity	L	34
Daily Fuel Tank Capacity	L	400
Fuel Consumption		
Load %100	L / H	46,5
Load %75	L / H	34,6
Load %50	L / H	23,4

#### 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	1300 x 2980 x 1755 / 2000
Canopied Type	LxWxH - mm / Weight - Kg	1300 x 3640 x 2105 / 2495

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-275V - POWERED BY VOLVO

#### GENERATOR SET SPECIFICATIONS

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

#### CONTROL PANEL



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

#### SOUNDPROOF CANOPY

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



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#### POWER RATINGS

Standby Power (ESP)	kVA / kW	275 / 220
Prime Power (PRP)	kVA / kW	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	VOLVO	TAD734GE
Engine Mechanical Power	kW	241
Air Intake System		Turbocharger
Cylinder Volume	L	7,15
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	108 x 130
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	29
Engine Coolant Capacity	L	32
Daily Fuel Tank Capacity	L	400
Fuel Consumption		
Load %100	L / H	54,5
Load %75	L / H	43,5
Load %50	L / H	31,1

#### 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	1300 x 2980 x 1760 / 2125
Canopied Type	LxWxH - mm / Weight - Kg	1300 x 3640 x 2105 / 2600

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-350V - POWERED BY VOLVO

#### GENERATOR SET SPECIFICATIONS

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

#### CONTROL PANEL



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

#### SOUNDPROOF CANOPY

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



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#### POWER RATINGS

Standby Power (ESP)	kVA / kW	350 / 280
Prime Power (PRP)	kVA / kW	318 / 255
Current (ESP)	A	505
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	VOLVO	TAD1341GE
Engine Mechanical Power	kW	298
Air Intake System		Turbocharger
Cylinder Volume	L	12,78
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	131 x 158
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	36
Engine Coolant Capacity	L	44
Daily Fuel Tank Capacity	L	500
Fuel Consumption		
Load %100	L / H	63,5
Load %75	L / H	48,1
Load %50	L / H	33,4

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	350
Voltage - Frequency	V - Hz	400 / 230 - 50
Voltage Regulation		+/- 1.0
Insulation / Protection Class		H / IP 23
Pole Quantity		4

#### DIMENSIONS AND WEIGHTS



Open Type	LxWxH - mm / Weight - Kg	1500 x 3200 x 1900 / 2885
Canopied Type	LxWxH - mm / Weight - Kg	1500 x 4300 x 2385 / 3525

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-385V - POWERED BY VOLVO

#### 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	385 / 308
Prime Power (PRP)	kVA / kW	350 / 280
Current (ESP)	A	555
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	VOLVO	TAD1342GE
Engine Mechanical Power	kW	333
Air Intake System		Turbocharger
Cylinder Volume	L	12,78
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	131 x 158
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	36
Engine Coolant Capacity	L	44
Daily Fuel Tank Capacity	L	500
Fuel Consumption		
Load %100	L / H	70,7
Load %75	L / H	53,3
Load %50	L / H	36,6

#### 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	1500 x 3200 x 1900 / 2895
Canopied Type	LxWxH - mm / Weight - Kg	1500 x 4300 x 2385 / 3555

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-415V - POWERED BY VOLVO

#### 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	415 / 332
Prime Power (PRP)	kVA / kW	380 / 304
Current (ESP)	A	599
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	VOLVO	TAD1343GE
Engine Mechanical Power	kW	356
Air Intake System		Turbocharger
Cylinder Volume	L	12,78
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	131 x 158
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	36
Engine Coolant Capacity	L	44
Daily Fuel Tank Capacity	L	500
Fuel Consumption		
Load %100	L / H	75,7
Load %75	L / H	57,1
Load %50	L / H	39,1

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	415
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 3200 x 1900 / 2895
Canopied Type	LxWxH - mm / Weight - Kg	1500 x 4300 x 2385 / 3555

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-450V - POWERED BY VOLVO

#### 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 ).

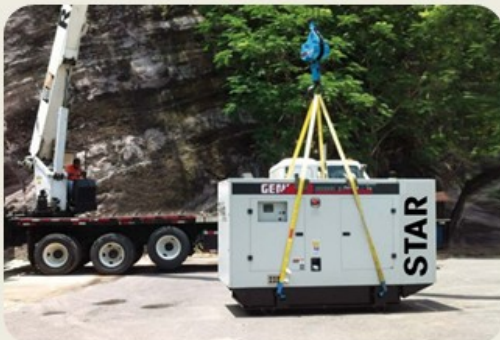
#### CONTROL PANEL



- 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	450 / 360
Prime Power (PRP)	kVA / kW	409 / 327
Current (ESP)	A	650
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	VOLVO	TAD1344GE
Engine Mechanical Power	kW	389
Air Intake System		Turbocharger
Cylinder Volume	L	12,78
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	131 x 158
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	36
Engine Coolant Capacity	L	44
Daily Fuel Tank Capacity	L	500
Fuel Consumption		
Load %100	L / H	82,2
Load %75	L / H	62,3
Load %50	L / H	42,4

#### 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	1500 x 3200 x 1891 / 3095
Canopied Type	LxWxH - mm / Weight - Kg	1500 x 4300 x 2385 / 3735

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

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

#### GENERATOR SET SPECIFICATIONS

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

#### CONTROL PANEL



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

#### SOUNDPROOF CANOPY

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



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#### POWER RATINGS

Standby Power (ESP)	kVA / kW	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	VOLVO	TAD1345GE
Engine Mechanical Power	kW	431
Air Intake System		Turbocharger
Cylinder Volume	L	12,78
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	131 x 158
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	36
Engine Coolant Capacity	L	44
Daily Fuel Tank Capacity	L	500
Fuel Consumption		
Load %100	L / H	90,4
Load %75	L / H	68,1
Load %50	L / H	46,1

#### 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	1500 x 3200 x 1845 / 3200
Canopied Type	LxWxH - mm / Weight - Kg	1500 x 4300 x 2385 / 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.

#### 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 ).

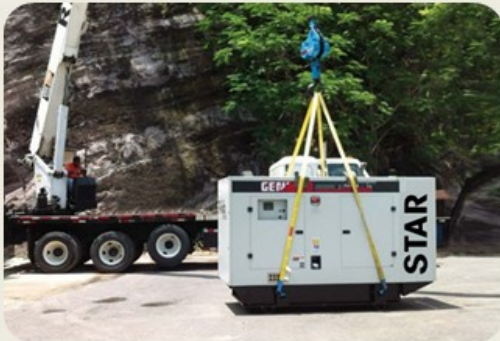
#### CONTROL PANEL



- 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	VOLVO	TAD1641GE
Engine Mechanical Power	kW	475
Air Intake System		Turbocharger
Cylinder Volume	L	16,12
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	144 x 165
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	48
Engine Coolant Capacity	L	60
Daily Fuel Tank Capacity	L	900
Fuel Consumption		
Load %100	L / H	103,8
Load %75	L / H	78,2
Load %50	L / H	53,2

#### 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	1700 x 3900 x 2210 / 3600
Canopied Type	LxWxH - mm / Weight - Kg	1700 x 4900 x 2560 / 4515

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-650V - POWERED BY VOLVO

#### 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	650 / 520
Prime Power (PRP)	kVA / kW	591 / 473
Current (ESP)	A	938
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	VOLVO	TAD1642GE
Engine Mechanical Power	kW	556
Air Intake System		Turbocharger
Cylinder Volume	L	16,12
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	144 x 165
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	48
Engine Coolant Capacity	L	60
Daily Fuel Tank Capacity	L	900
Fuel Consumption		
Load %100	L / H	116,7
Load %75	L / H	88,9
Load %50	L / H	59,9

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	650
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	1700x 3900 x 2210 / 3820
Canopied Type	LxWxH - mm / Weight - Kg	1700x 4900 x 2560 / 4730

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-715V - POWERED BY VOLVO

#### 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	715 / 572
Prime Power (PRP)	kVA / kW	650 / 520
Current (ESP)	A	1032
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	VOLVO	TWD1644GE
Engine Mechanical Power	kW	609
Air Intake System		Turbocharger
Cylinder Volume	L	16,12
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	144 x 165
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	48
Engine Coolant Capacity	L	90
Daily Fuel Tank Capacity	L	900
Fuel Consumption		
Load %100	L / H	131,0
Load %75	L / H	98,4
Load %50	L / H	66,3

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	715
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	1700 x 3900 x 2225 / 4350
Canopied Type	LxWxH - mm / Weight - Kg	1700 x 4900 x 2760 / 5265

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-770V - POWERED BY VOLVO

#### 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	770 / 616
Prime Power (PRP)	kVA / kW	700 / 560
Current (ESP)	A	1110
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	VOLVO	TWD1645GE
Engine Mechanical Power	kW	654
Air Intake System		Turbocharger
Cylinder Volume	L	16,12
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	144 x 165
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	48
Engine Coolant Capacity	L	90
Daily Fuel Tank Capacity	L	900
Load %100	L / H	138,4
Load %75	L / H	106,5
Load %50	L / H	74,6

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	770
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	1700 x 3900 x 2225 / 4520
Canopied Type	LxWxH - mm / Weight - Kg	1700 x 4900 x 2760 / 5430

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-825V - POWERED BY VOLVO

#### 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	1190
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	VOLVO	TWD1744GE
Engine Mechanical Power	kW	710
Air Intake System		Turbocharger
Cylinder Volume	L	17,26
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	149 x 165
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	52
Engine Coolant Capacity	L	85
Daily Fuel Tank Capacity	L	950
Fuel Consumption		
Load %100	L / H	152,0
Load %75	L / H	114,0
Load %50	L / H	77,2

#### 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	1700 x 3900 x 2225 / 4725
Canopied Type	LxWxH - mm / Weight - Kg	1700 x 4900 x 2760 / 6425

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.