

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

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**STAR**  
POWER GENERATION

ISO 9001  
ISTAR

**PRODUCT LINE 250 - 1000 kVA**

**Generators with HYUNDAI-DOOSAN engine**

#### 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	250 / 200
Prime Power (PRP)	kVA / kW	225 / 180
Current (ESP)	A	365
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	DOOSAN	DP086LA
Engine Mechanical Power	kW	219
Air Intake System		Turbocharger
Cylinder Volume	L	8.071
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	111 x 139
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	15.5
Engine Coolant Capacity	L	44
Daily Fuel Tank Capacity	L	325
Fuel Consumption		
Load %100	L / H	48.7
Load %75	L / H	36.8
Load %50	L / H	24.6

#### 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	1150 x 2880 x 1913 / 2135
Canopied Type	LxWxH - mm / Weight - Kg	1150 x 3525 x 2167 / 2565

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



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- 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	DOOSAN	P126TI
Engine Mechanical Power	kW	265
Air Intake System		Turbocharger
Cylinder Volume	L	11.051
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	123 x 155
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	23
Engine Coolant Capacity	L	51
Daily Fuel Tank Capacity	L	400
Fuel Consumption		
Load %100	L / H	58.1
Load %75	L / H	43.6
Load %50	L / H	30.0

#### 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 1657 / 2409
Canopied Type	LxWxH - mm / Weight - Kg	1300 x 3640 x 2297 / 2899

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.

## DIESEL GENERATOR SET

### SDG-330HD - POWERED BY HYUNDAI-DOOSAN

#### 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	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	DOOSAN	P126TI-II
Engine Mechanical Power	kW	287
Air Intake System		Turbocharger
Cylinder Volume	L	11.051
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	123 x 155
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	23
Engine Coolant Capacity	L	51
Daily Fuel Tank Capacity	L	400
Fuel Consumption		
Load %100	L / H	63.1
Load %75	L / H	47.0
Load %50	L / H	31.3

#### 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	1300 x 2980 x 1657 / 2498
Canopied Type	LxWxH - mm / Weight - Kg	1300 x 3640 x 2297 / 2988

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.

## DIESEL GENERATOR SET

### SDG-400HD - POWERED BY HYUNDAI-DOOSAN

#### GENERATOR SET SPECIFICATIONS

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

#### CONTROL PANEL



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

#### SOUNDPROOF CANOPY

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



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#### POWER RATINGS

Standby Power (ESP)	kVA / kW	400 / 320
Prime Power (PRP)	kVA / kW	360 / 288
Current (ESP)	A	590
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	DOOSAN	DP126LB
Engine Mechanical Power	kW	346
Air Intake System		Turbocharger
Cylinder Volume	L	11.051
Cylinder Quantity / Type		6 / Line
Bore & Stroke	MM x MM	123 x 155
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	44
Engine Coolant Capacity	L	51
Daily Fuel Tank Capacity	L	790
Fuel Consumption		
Load %100	L / H	76.0
Load %75	L / H	57.1
Load %50	L / H	38.4

#### ALTERNATOR

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

#### DIMENSIONS AND WEIGHTS



Open Type	LxWxH - mm / Weight - Kg	1600x 4200 x 2600 / 3450
Canopied Type	LxWxH - mm / Weight - Kg	1600x 4150 x 2486 / 3835

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



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- 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	440 / 352
Prime Power (PRP)	kVA / kW	400 / 320
Current (ESP)	A	635
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	DOOSAN	P158LE
Engine Mechanical Power	kW	398
Air Intake System		Turbocharger
Cylinder Volume	L	14.618
Cylinder Quantity / Type		8-V
Bore & Stroke	MM x MM	128 x 142
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	21
Engine Coolant Capacity	L	80
Daily Fuel Tank Capacity	L	790
Fuel Consumption		
Load %100	L / H	81.0
Load %75	L / H	59.1
Load %50	L / H	39.8

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	440
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	1600 x 4150 x 2486 / 3650
Canopied Type	LxWxH - mm / Weight - Kg	1600 x 4400 x 2500 / 3957

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.

## DIESEL GENERATOR SET

### SDG-500HD - POWERED BY HYUNDAI-DOOSAN

#### 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 ).

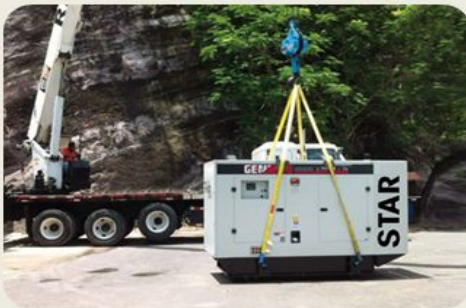
#### CONTROL PANEL



- 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	DOOSAN	DP158LC
Engine Mechanical Power	KW	433
Air Intake System		Turbocharger
Cylinder Volume	L	14.618
Cylinder Quantity / Type		8-V
Bore & Stroke	MM x MM	128 x 142
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	22
Engine Coolant Capacity	L	79
Daily Fuel Tank Capacity	L	790
Fuel Consumption		
Load %100	L / H	99.6
Load %75	L / H	72.9
Load %50	L / H	48.9

#### 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	1600 x 4150 x 2486 / 3675
Canopied Type	LxWxH - mm / Weight - Kg	1600 x 4200 x 2550 / 4287

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.

## DIESEL GENERATOR SET

### SDG-585HD - POWERED BY HYUNDAI-DOOSAN

#### 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 ).

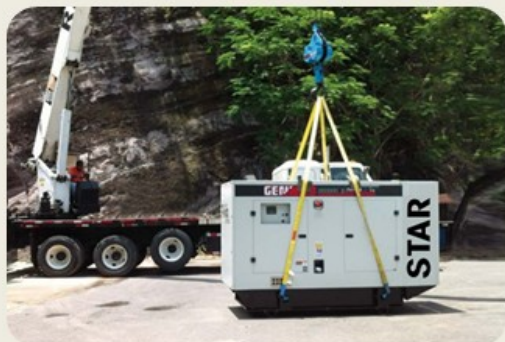
#### CONTROL PANEL



- 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	585 / 468
Prime Power (PRP)	kVA / kW	532 / 425
Current (ESP)	A	844
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	DOOSAN	DP158LD
Engine Mechanical Power	kW	494
Air Intake System		Turbocharger
Cylinder Volume	L	14,618
Cylinder Quantity / Type		8-V
Bore & Stroke	MM x MM	128 x 142
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	22
Engine Coolant Capacity	L	79
Daily Fuel Tank Capacity	L	1000
Fuel Consumption		
Load %100	L / H	115,1
Load %75	L / H	83,4
Load %50	L / H	55,1

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	585
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	1600 x 3750 x 2070 / 3725
Canopied Type	LxWxH - mm / Weight - Kg	1600 x 4150 x 2486 / 4403

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.
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OFF - MANUAL - AUTO - TEST - START
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- 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	630 / 504
Prime Power (PRP)	kVA / kW	573 / 458
Current (ESP)	A	909
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	DOOSAN	DP180LA
Engine Mechanical Power	kW	536
Air Intake System		Turbocharger
Cylinder Volume	L	18,273
Cylinder Quantity / Type		10-V
Bore & Stroke	MM x MM	128 x 142
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	34
Engine Coolant Capacity	L	91
Daily Fuel Tank Capacity	L	1000
Fuel Consumption		
Load %100	L / H	123,6
Load %75	L / H	94,2
Load %50	L / H	64,8

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	630
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 3950 x 2070 / 3820
Canopied Type	LxWxH - mm / Weight - Kg	1700 x 4900 x 2560 / 5025

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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 ).

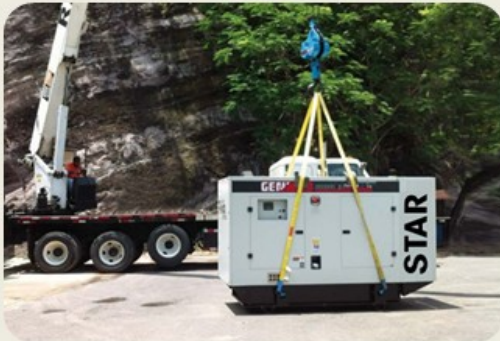
#### CONTROL PANEL



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OFF - MANUAL - AUTO - TEST - START
- Manual programming on control panel.
- Circuit Breaker.
- Emergency stop button, light and sound alarm siren.
- Battery charger.
- Remote control with GSM modem ( option ).

#### SOUNDPROOF CANOPY

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



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#### POWER RATINGS

Standby Power (ESP)	kVA / kW	700 / 560
Prime Power (PRP)	kVA / kW	630 / 504
Current (ESP)	A	1018
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	DOOSAN	DP180LB
Engine Mechanical Power	kW	596
Air Intake System		Turbocharger
Cylinder Volume	L	18,273
Cylinder Quantity / Type		10-V
Bore & Stroke	MM x MM	128 x 142
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	34
Engine Coolant Capacity	L	91
Daily Fuel Tank Capacity	L	1000
Fuel Consumption		
Load %100	L / H	136,4
Load %75	L / H	103,8
Load %50	L / H	71,2

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	700
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 3950 x 2070 / 4100
Canopied Type	LxWxH - mm / Weight - Kg	1700 x 4900 x 2760 / 5135

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.

## DIESEL GENERATOR SET

### SDG-750HD - POWERED BY HYUNDAI-DOOSAN

#### 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	750 / 600
Prime Power (PRP)	kVA / kW	682 / 545
Current (ESP)	A	1083
Voltage - Frequency	V - Hz	400 / 230 - 50
Phase Quantity - Power Factor	Unit - Cosφ	3 - 0,8

#### ENGINE

Engine Make & Model	DOOSAN	DP222LB
Engine Mechanical Power	kW	640
Air Intake System		Turbocharger
Cylinder Volume	L	21,927
Cylinder Quantity / Type		12-V
Bore & Stroke	MM x MM	128 x 142
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	114
Daily Fuel Tank Capacity	L	1000
Fuel Consumption		
Load %100	L / H	147,1
Load %75	L / H	109,2
Load %50	L / H	73,0

#### ALTERNATOR

Alternator Make & Model		STAR
Alternator Type	Electronic (AVR)	Brushless
Standby Power (ESP)	kVA	750
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 3950 x 2070 / 4775
Canopied Type	LxWxH - mm / Weight - Kg	1700 x 4900 x 2760 / 5520

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.

## DIESEL GENERATOR SET

### SDG-825HD - POWERED BY HYUNDAI-DOOSAN

#### 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	DOOSAN	DP222LC
Engine Mechanical Power	kW	699
Air Intake System		Turbocharger
Cylinder Volume	L	21,927
Cylinder Quantity / Type		12-V
Bore & Stroke	MM x MM	128 x 142
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	114
Daily Fuel Tank Capacity	L	1000
Fuel Consumption		
Load %100	L / H	161,0
Load %75	L / H	119,1
Load %50	L / H	79,3

#### 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 3950 x 2070 / 4899
Canopied Type	LxWxH - mm / Weight - Kg	1700 x 4900 x 2760 / 5644

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	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	DOOSAN	DP222CC
Engine Mechanical Power	kW	854
Air Intake System		Turbocharger
Cylinder Volume	L	21,927
Cylinder Quantity / Type		12-V
Bore & Stroke	MM x MM	128 x 142
Fuel injection system		Direct
Governing Type		Electronic
Engine Speed	RPM	1500
Cooling Method		Water
Electrical System	V DC	24
Oil Capacity	L	66
Engine Coolant Capacity	L	75
Daily Fuel Tank Capacity	L	1000
Fuel Consumption		
Load %100	L / H	192,0
Load %75	L / H	162,0
Load %50	L / H	110,0

#### 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	2050 x 3760 x 2266 / 6281
Canopied Type	LxWxH - mm / Weight - Kg	2050 x 4950 x 2721 / 7991

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.