NPOWER
Power and automation technologies.

SDEC
Series Diesel Generator Sets

77 kVA - 110 kVA

ENGINE

- G-Drive Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged / turbocharged & air to air charge cooled
- Direct injection
- Mechanic / electronic governor system
- 12 / 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine jacket water heater (In automatic models)
- Maintenance and operating instructions

ALTERNATOR

- Brushless, single bearing
- H Class insulation type
- IP21-23 Protection class
- Self exciter
- Automatic voltage regulator
- 2/3 Pitch factor windings
- 4 Poles

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

QUALITY STANDARD DIRECTIVES

- 2006/42/EC (Machinery Directive)
- 2014/30/EC (EMC Directive)
- 2014/35/EC (Low Voltage Directive)
- 2000/14/EC (Noise Emition Directive)

CANOPY / CONTAINER

- Modular type sound-proof canopy / container
- Easy installation type without welding canopy
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Locakable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start / stop failure

OPTIONAL EQUIPMENTS

- Charge ampmeter
- Circuit breakers (In automatic models)
- Residental / Critical type silencer
- Sound-proof canopy or container
- Mobile trailer and truck installation
- Synchronization panel for 2-32 gensets
- 3 pole / 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Anticondensation heater
- Fuel automation systems
- Different IP and Insulation class alternator
- PMG

INTERNATIONAL QUALITY STANDARD

- EN12601, EN60204, EN12100, EN61000, EN55011
- TS ISO 8528, TS ISO 3744, TS ISO 3746, TS ISO 13857
- EN60034, EN55014, ISO 3046, BS5000, IEC 60034
- VDE 0530, BSE 4999, EN60335, IBC 2015:EC8 2004

Easy maintenance canopy design

Refilling from the outside of the canopy

Canopy made of galvanized steel

Warning system for decreasing fuel with electronic fuel level sender

NPOWER
Power and automation technologies.

SDEC

Series Diesel Generator Sets

MODEL				N SD EG 0077	N SD EG 0100	N SD EG 0110
GROUP	GEN-SET POWER	STAND BY	kVA	77	100	110
			kW	62	80	88
		PRIME	kVA	69	90	99
			kW	55	72	79
	CANOPY DIMENSION (W x L x H) mm			1000 x 2880 x 1610	1000 x 2880 x 1610	1050 x 3180 x 1870
	CANOPY WEIGHT kg			1175	1225	1510
	OPEN DIMENSION (W x L x H) mm			1000 x 2400 x 1510	1000 x 2400 x 1510	1050 x 2700 x 1550
	OPEN WEIGHT			955	1005	1270
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC4H95D2	SC4H115D2	SC4H160D2
	POWER	STAND BY	kW	64	82	110
		PRIME	kW	58	74	99
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			4,3	4,3	4,3
	NUMBER OF CYLNDERS			4 IN LINE	4 IN LINE	4 IN LINE
	BORE x STROKE (mm x mm)			105 X 124	105 X 124	105 X 124
	COMPRESSION RATIO			17,3 : 1	17,3 : 1	16,0 : 1
	GOVERNOR TYPE			ELECTRONIC	RSV	ELECTRONIC
	INDUCTION			TURBOCHARGED	TURBOCHARGED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	Direct
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		14,8	20,2	25
		%75 PRIME POWER		11	15,2	16,7
		%50 PRIME POWER		7,5	10,3	12,8
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			13	13	13
	TOTAL COOLANT CAPACITY (lt)			6,8	6,8	6,8
	FUEL TANK CAPACITY (lt)					

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SDEC
Series Diesel Generator Sets

77 kVA - 1000 kVA

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- G-Drive Series heavy duty diesel engine
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- 12 / 24 volt self-starter and charger alternator
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Power and automation technologies.

SDEC

Series Diesel Generator Sets

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GROUP	GEN-SET POWER	STAND BY	kVA	77	100	110
			kW	62	80	88
		PRIME	kVA	69	90	99
			kW	55	72	79
	CANOPY DIMENSION (W x L x H) mm			1000 x 2880 x 1610	1000 x 2880 x 1610	1050 x 3180 x 1870
	CANOPY WEIGHT kg			1175	1225	1510
	OPEN DIMENSION (W x L x H) mm			1000 x 2400 x 1510	1000 x 2400 x 1510	1050 x 2700 x 1550
	OPEN WEIGHT			955	1005	1270
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC4H95D2	SC4H115D2	SC4H160D2
	POWER	STAND BY	kW	64	82	110
		PRIME	kW	58	74	99
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			4,3	4,3	4,3
	NUMBER OF CYLNDERS			4 IN LINE	4 IN LINE	4 IN LINE
	BORE x STROKE (mm x mm)			105 X 124	105 X 124	105 X 124
	COMPRESSION RATIO			17,3 : 1	17,3 : 1	16,0 : 1
	GOVERNOR TYPE			ELECTRONIC	RSV	ELECTRONIC
	INDUCTION			TURBOCHARGED	TURBOCHARGED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	Direct
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		14,8	20,2	25
		%75 PRIME POWER		11	15,2	16,7
		%50 PRIME POWER		7,5	10,3	12,8
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			13	13	13
	TOTAL COOLANT CAPACITY (lt)			6,8	6,8	6,8
	FUEL TANK CAPACITY (lt)					

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SDEC

Series Diesel Generator Sets

MODEL				N SD EG 0135	N SD EG 0155	N SD EG 0200
GROUP	GEN-SET POWER	STAND BY	kVA	135	155	200
			kW	108	124	160
		PRIME	kVA	121	139	180
			kW	97	112	144
	CANOPY DIMENSION (W x L x H) mm			1050 x 3180 x 1870	1050 x 3180 x 1870	1150 x 2820 x 2400
	CANOPY WEIGHT kg			1535	1625	3000
	OPEN DIMENSION (W x L x H) mm			1050 x 2700 x 1550	1050 x 2700 x 1550	1150 x 3340 x 1960
	OPEN WEIGHT			1290	1385	2705
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC4H160D2	SC4H180D2	SC7H230D2
	POWER	STAND BY	kW	110	126	163
		PRIME	kW	99	114	147
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			4,3	4,3	6,44
	NUMBER OF CYLNDERS			4 IN LINE	4 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			105 X 124	105 X 124	105 X 124
	COMPRESSION RATIO			16,0 : 1	16,0 : 1	16,0 : 1
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		25	28,6	36
		%75 PRIME POWER		16,7	21,4	26,8
		%50 PRIME POWER		12,8	14,4	17,8
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			13	13	17,5
	TOTAL COOLANT CAPACITY (lt)			6,8	6,8	9,6
	FUEL TANK CAPACITY (lt)					

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Series Diesel Generator Sets

MODEL				N SD EG 0220	N SD EG 0265	N SD EG 0290
GROUP	GEN-SET POWER	STAND BY	kVA	220	265	290
			kW	176	212	232
		PRIME	kVA	198	238	261
			kW	158	191	209
	CANOPY DIMENSION (W x L x H) mm			1150 x 2820 x 2400	1150 x 2820 x 2400	1150 x 2820 x 2400
	CANOPY WEIGHT kg			3000	3165	3165
	OPEN DIMENSION (W x L x H) mm			1150 x 3340 x 1960	1150 x 3340 x 1960	1150 x 3340 x 1960
	OPEN WEIGHT			2705	2865	2865
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC7H250D2	SC9D310D2	SC9D340D2
	POWER	STAND BY	kW	178	219	246
		PRIME	kW	161	199	219
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			6,44	8,82	8,82
	NUMBER OF CYLNDERS			6 IN LINE	6 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			105 x 124	114 x 144	114 x 144
	COMPRESSION RATIO			16,0 : 1	18:01	16,5 : 1
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	Direct
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		39,3	50,6	54,1
		%75 PRIME POWER		29,1	38,2	40,8
		%50 PRIME POWER		19,4	26,3	27,3
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			17,5	19	25
	TOTAL COOLANT CAPACITY (lt)			9,6	12	12
	FUEL TANK CAPACITY (lt)					

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SDEC

Series Diesel Generator Sets

MODEL				N SD EG 0330	N SD EG 0360	N SD EG 0400
GROUP	GEN-SET POWER	STAND BY	kVA	330	360	400
			kW	264	288	320
		PRIME	kVA	297	324	360
			kW	238	259	288
	CANOPY DIMENSION (W x L x H) mm			1400 x 2705 x 2645	1600 x 3250 x 2765	1400 x 3705 x 2645
	CANOPY WEIGHT kg			3150	2765	3165
	OPEN DIMENSION (W x L x H) mm			1400 x 3450 x 2170	1600 x 3000 x 1900	1400 x 3450 x 2070
	OPEN WEIGHT			2710	2380	2760
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC13G355D2	SC13G420D2	SC12E460D2
	POWER	STAND BY	kW	248	296	329
		PRIME	kW	224	268	298
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			12,88	12,88	11,8
	NUMBER OF CYLNDERS			6 IN LINE	6 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			135 X 150	135 x 150	128 x 153
	COMPRESSION RATIO			15,55:1	15,55 : 1	17:01
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	Direct
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		58,6	70,4	71,6
		%75 PRIME POWER		44,8	52,8	53,4
		%50 PRIME POWER		30,6	36,5	36,1
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			41	41	41
	TOTAL COOLANT CAPACITY (lt)			25,5	25,5	23,2
	FUEL TANK CAPACITY (lt)					

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SDEC

Series Diesel Generator Sets

MODEL				N SD EG 0440	N SD EG 0520	N SD EG 0550
GROUP	GEN-SET POWER	STAND BY	kVA	440	520	550
			kW	352	416	440
		PRIME	kVA	396	468	495
			kW	317	374	396
	CANOPY DIMENSION (W x L x H) mm			1600 x 3250 x 2475	17400 x 4200 x 2780	1740 x 4200 x 2780
	CANOPY WEIGHT kg			2855	4565	4600
	OPEN DIMENSION (W x L x H) mm			1600 x 3000 x 1900	1700 x 3750 x 2170	1700 x 3750 x 2170
	OPEN WEIGHT			2475	3930	3970
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC15G500D2	SC25G610D2	SC25G610D2
	POWER	STAND BY	kW	351	423	423
		PRIME	kW	218	383	383
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			14,16	25,8	25,8
	NUMBER OF CYLNDERS			6 IN LINE	12 V	12 V
	BORE x STROKE (mm x mm)			135 X 165	135 X 150	135 X 150
	COMPRESSION RATIO			15,55 : 1	16:01	16:01
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	Direct
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		81,2	100,4	100,4
		%75 PRIME POWER		59,8	75,8	75,8
		%50 PRIME POWER		41,1	53,6	53,6
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			41	65	65
	TOTAL COOLANT CAPACITY (lt)			25,5	48	48
	FUEL TANK CAPACITY (lt)					

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SDEC

Series Diesel Generator Sets

MODEL				N SD EG 0600	N SD EG 0660	N SD EG 0715
GROUP	GEN-SET POWER	STAND BY	kVA	600	660	715
			kW	480	528	572
		PRIME	kVA	540	594	643
			kW	432	475	515
	CANOPY DIMENSION (W x L x H) mm			1600 x 4000 x 2875	1700 x 4200 x 2780	1700 x 4200 x 2780
	CANOPY WEIGHT kg			3675	4795	4935
	OPEN DIMENSION (W x L x H) mm			1600 x 3500 x 1980	1700 x 3750 x 2170	1700 x 3750 x 2170
	OPEN WEIGHT			3210	4165	4305
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC25G690D2	SC27G755D2	SC27G830D2
	POWER	STAND BY	kW	483	530	585
		PRIME	kW	437	480	540
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			25,8	26,6	26,6
	NUMBER OF CYLNDERS			12 V	12 V	12 V
	BORE x STROKE (mm x mm)			135 X 150	135 X 155	135 X 155
	COMPRESSION RATIO			16:01	16:01	16:01
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	Direct
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		113,8	126	141
		%75 PRIME POWER		85,9	95,3	106,7
		%50 PRIME POWER		60,7	37,8	74,1
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			65	65	65
	TOTAL COOLANT CAPACITY (lt)			48	48	48
	FUEL TANK CAPACITY (lt)					

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SDEC

Series Diesel Generator Sets

MODEL				N SD EG 0790	N SD EG 0860	N SD EG 1000
GROUP	GEN-SET POWER	STAND BY	kVA	790	860	1000
			kW	632	688	800
		PRIME	kVA	711	774	900
			kW	569	619	720
	CANOPY DIMENSION (W x L x H) mm			1700 x 4200 x 2780	2100 x 4700 x 3000	2200 x 5150 x 3425
	CANOPY WEIGHT kg			5300	4675	7890
	OPEN DIMENSION (W x L x H) mm			1700 x 3750 x 2170	2100 x 4000 x 2460	2200 x 4900 x 2580
	OPEN WEIGHT			4665	4115	6410
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC27G900D2	SC33W990D2	SC33W1150D2
	POWER	STAND BY	kW	637	698	832
		PRIME	kW	577	632	754
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			26,6	32,8	32,8
	NUMBER OF CYLNDERS			12 V	6 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			135 X 155	180 X 215	180 X 215
	COMPRESSION RATIO			16:01	15:01	16:01
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	Direct
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		148,8	163,7	193,5
		%75 PRIME POWER		115,5	123,9	146,3
		%50 PRIME POWER		76,7	84,3	100,1
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			65	75	75
	TOTAL COOLANT CAPACITY (lt)			48	56	56
	FUEL TANK CAPACITY (lt)					

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135 kVA - 200 kVA

ENGINE

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- Direct injection
- Mechanic / electronic governor system
- 12 / 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
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- Low oil pressure
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SDEC

Series Diesel Generator Sets

MODEL				N SD EG 0135	N SD EG 0155	N SD EG 0200
GROUP	GEN-SET POWER	STAND BY	kVA	135	155	200
			kW	108	124	160
		PRIME	kVA	121	139	180
			kW	97	112	144
	CANOPY DIMENSION (W x L x H) mm			1050 x 3180 x 1870	1050 x 3180 x 1870	1150 x 2820 x 2400
	CANOPY WEIGHT kg			1535	1625	3000
	OPEN DIMENSION (W x L x H) mm			1050 x 2700 x 1550	1050 x 2700 x 1550	1150 x 3340 x 1960
	OPEN WEIGHT			1290	1385	2705
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC4H160D2	SC4H180D2	SC7H230D2
	POWER	STAND BY	kW	110	126	163
		PRIME	kW	99	114	147
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			4,3	4,3	6,44
	NUMBER OF CYLNDERS			4 IN LINE	4 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			105 X 124	105 X 124	105 X 124
	COMPRESSION RATIO			16,0 : 1	16,0 : 1	16,0 : 1
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		25	28,6	36
		%75 PRIME POWER		16,7	21,4	26,8
		%50 PRIME POWER		12,8	14,4	17,8
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			13	13	17,5
	TOTAL COOLANT CAPACITY (lt)			6,8	6,8	9,6
	FUEL TANK CAPACITY (lt)					

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SDEC
Series Diesel Generator Sets

220 kVA - 290 kVA

ENGINE

- G-Drive Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged / turbocharged & air to air charge cooled
- Direct injection
- Mechanic / electronic governor system
- 12 / 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine jacket water heater (In automatic models)
- Maintenance and operating instructions

ALTERNATOR

- Brushless, single bearing
- H Class insulation type
- IP21-23 Protection class
- Self exciter
- Automatic voltage regulator
- 2/3 Pitch factor windings
- 4 Poles

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

QUALITY STANDARD DIRECTIVES

- 2006/42/EC (Machinery Directive)
- 2014/30/EC (EMC Directive)
- 2014/35/EC (Low Voltage Directive)
- 2000/14/EC (Noise Emition Directive)

CANOPY / CONTAINER

- Modular type sound-proof canopy / container
- Easy installation type without welding canopy
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Locakable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start / stop failure

OPTIONAL EQUIPMENTS

- Charge ampmeter
- Circuit breakers (In automatic models)
- Residental / Critical type silencer
- Sound-proof canopy or container
- Mobile trailer and truck installation
- Synchronization panel for 2-32 gensets
- 3 pole / 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Anticondensation heater
- Fuel automation systems
- Different IP and Insulation class alternator
- PMG

INTERNATIONAL QUALITY STANDARD

- EN12601, EN60204, EN12100, EN61000, EN55011
- TS ISO 8528, TS ISO 3744, TS ISO 3746, TS ISO 13857
- EN60034, EN55014, ISO 3046, BS5000, IEC 60034
- VDE 0530, BSE 4999, EN60335, IBC 2015:EC8 2004

Easy maintenance canopy design

Refilling from the outside of the canopy

Canopy made of galvanized steel

Warning system for decreasing fuel with electronic fuel level sender

NPOWER
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SDEC

Series Diesel Generator Sets

MODEL				N SD EG 0220	N SD EG 0265	N SD EG 0290
GROUP	GEN-SET POWER	STAND BY	kVA	220	265	290
			kW	176	212	232
		PRIME	kVA	198	238	261
			kW	158	191	209
	CANOPY DIMENSION (W x L x H) mm			1150 x 2820 x 2400	1150 x 2820 x 2400	1150 x 2820 x 2400
	CANOPY WEIGHT kg			3000	3165	3165
	OPEN DIMENSION (W x L x H) mm			1150 x 3340 x 1960	1150 x 3340 x 1960	1150 x 3340 x 1960
	OPEN WEIGHT			2705	2865	2865
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC7H250D2	SC9D310D2	SC9D340D2
	POWER	STAND BY	kW	178	219	246
		PRIME	kW	161	199	219
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			6,44	8,82	8,82
	NUMBER OF CYLNDERS			6 IN LINE	6 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			105 x 124	114 x 144	114 x 144
	COMPRESSION RATIO			16,0 : 1	18:01	16,5 : 1
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	Direct
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		39,3	50,6	54,1
		%75 PRIME POWER		29,1	38,2	40,8
		%50 PRIME POWER		19,4	26,3	27,3
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			17,5	19	25
	TOTAL COOLANT CAPACITY (lt)			9,6	12	12
	FUEL TANK CAPACITY (lt)					

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SDEC
Series Diesel Generator Sets

330 kVA - 400 kVA

ENGINE

- G-Drive Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged / turbocharged & air to air charge cooled
- Direct injection
- Mechanic / electronic governor system
- 12 / 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine jacket water heater (In automatic models)
- Maintenance and operating instructions

ALTERNATOR

- Brushless, single bearing
- H Class insulation type
- IP21-23 Protection class
- Self exciter
- Automatic voltage regulator
- 2/3 Pitch factor windings
- 4 Poles

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

QUALITY STANDARD DIRECTIVES

- 2006/42/EC (Machinery Directive)
- 2014/30/EC (EMC Directive)
- 2014/35/EC (Low Voltage Directive)
- 2000/14/EC (Noise Emition Directive)

CANOPY / CONTAINER

- Modular type sound-proof canopy / container
- Easy installation type without welding canopy
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Locakable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start / stop failure

OPTIONAL EQUIPMENTS

- Charge ampmeter
- Circuit breakers (In automatic models)
- Residental / Critical type silencer
- Sound-proof canopy or container
- Mobile trailer and truck installation
- Synchronization panel for 2-32 gensets
- 3 pole / 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Anticondensation heater
- Fuel automation systems
- Different IP and Insulation class alternator
- PMG

INTERNATIONAL QUALITY STANDARD

- EN12601, EN60204, EN12100, EN61000, EN55011
- TS ISO 8528, TS ISO 3744, TS ISO 3746, TS ISO 13857
- EN60034, EN55014, ISO 3046, BS5000, IEC 60034
- VDE 0530, BSE 4999, EN60335, IBC 2015:EC8 2004

Easy maintenance canopy design

Refilling from the outside of the canopy

Canopy made of galvanized steel

Warning system for decreasing fuel with electronic fuel level sender

NPOWER
Power and automation technologies.

SDEC

Series Diesel Generator Sets

MODEL				N SD EG 0330	N SD EG 0360	N SD EG 0400
GROUP	GEN-SET POWER	STAND BY	kVA	330	360	400
			kW	264	288	320
		PRIME	kVA	297	324	360
			kW	238	259	288
	CANOPY DIMENSION (W x L x H) mm			1400 x 2705 x 2645	1600 x 3250 x 2765	1400 x 3705 x 2645
	CANOPY WEIGHT kg			3150	2765	3165
	OPEN DIMENSION (W x L x H) mm			1400 x 3450 x 2170	1600 x 3000 x 1900	1400 x 3450 x 2070
	OPEN WEIGHT			2710	2380	2760
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC13G355D2	SC13G420D2	SC12E460D2
	POWER	STAND BY	kW	248	296	329
		PRIME	kW	224	268	298
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			12,88	12,88	11,8
	NUMBER OF CYLNDERS			6 IN LINE	6 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			135 X 150	135 x 150	128 x 153
	COMPRESSION RATIO			15,55:1	15,55 : 1	17:01
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	Direct
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		58,6	70,4	71,6
		%75 PRIME POWER		44,8	52,8	53,4
		%50 PRIME POWER		30,6	36,5	36,1
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			41	41	41
	TOTAL COOLANT CAPACITY (lt)			25,5	25,5	23,2
	FUEL TANK CAPACITY (lt)					

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SDEC
Series Diesel Generator Sets

440 kVA - 550 kVA

ENGINE

- G-Drive Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged / turbocharged & air to air charge cooled
- Direct injection
- Mechanic / electronic governor system
- 12 / 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine jacket water heater (In automatic models)
- Maintenance and operating instructions

ALTERNATOR

- Brushless, single bearing
- H Class insulation type
- IP21-23 Protection class
- Self exciter
- Automatic voltage regulator
- 2/3 Pitch factor windings
- 4 Poles

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

QUALITY STANDARD DIRECTIVES

- 2006/42/EC (Machinery Directive)
- 2014/30/EC (EMC Directive)
- 2014/35/EC (Low Voltage Directive)
- 2000/14/EC (Noise Emition Directive)

CANOPY / CONTAINER

- Modular type sound-proof canopy / container
- Easy installation type without welding canopy
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Locakable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start / stop failure

OPTIONAL EQUIPMENTS

- Charge ampmeter
- Circuit breakers (In automatic models)
- Residental / Critical type silencer
- Sound-proof canopy or container
- Mobile trailer and truck installation
- Synchronization panel for 2-32 gensets
- 3 pole / 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Anticondensation heater
- Fuel automation systems
- Different IP and Insulation class alternator
- PMG

INTERNATIONAL QUALITY STANDARD

- EN12601, EN60204, EN12100, EN61000, EN55011
- TS ISO 8528, TS ISO 3744, TS ISO 3746, TS ISO 13857
- EN60034, EN55014, ISO 3046, BS5000, IEC 60034
- VDE 0530, BSE 4999, EN60335, IBC 2015:EC8 2004

Easy maintenance canopy design

Refilling from the outside of the canopy

Canopy made of galvanized steel

Warning system for decreasing fuel with electronic fuel level sender

NPOWER
Power and automation technologies.

SDEC

Series Diesel Generator Sets

MODEL				N SD EG 0440	N SD EG 0520	N SD EG 0550
GROUP	GEN-SET POWER	STAND BY	kVA	440	520	550
			kW	352	416	440
		PRIME	kVA	396	468	495
			kW	317	374	396
	CANOPY DIMENSION (W x L x H) mm			1600 x 3250 x 2475	17400 x 4200 x 2780	1740 x 4200 x 2780
	CANOPY WEIGHT kg			2855	4565	4600
	OPEN DIMENSION (W x L x H) mm			1600 x 3000 x 1900	1700 x 3750 x 2170	1700 x 3750 x 2170
	OPEN WEIGHT			2475	3930	3970
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC15G500D2	SC25G610D2	SC25G610D2
	POWER	STAND BY	kW	351	423	423
		PRIME	kW	218	383	383
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			14,16	25,8	25,8
	NUMBER OF CYLNDERS			6 IN LINE	12 V	12 V
	BORE x STROKE (mm x mm)			135 X 165	135 X 150	135 X 150
	COMPRESSION RATIO			15,55 : 1	16:01	16:01
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	Direct
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		81,2	100,4	100,4
		%75 PRIME POWER		59,8	75,8	75,8
		%50 PRIME POWER		41,1	53,6	53,6
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			41	65	65
	TOTAL COOLANT CAPACITY (lt)			25,5	48	48
	FUEL TANK CAPACITY (lt)					

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SDEC
Series Diesel Generator Sets

600 kVA - 715 kVA

ENGINE

- G-Drive Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged / turbocharged & air to air charge cooled
- Direct injection
- Mechanic / electronic governor system
- 12 / 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine jacket water heater (In automatic models)
- Maintenance and operating instructions

ALTERNATOR

- Brushless, single bearing
- H Class insulation type
- IP21-23 Protection class
- Self exciter
- Automatic voltage regulator
- 2/3 Pitch factor windings
- 4 Poles

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

QUALITY STANDARD DIRECTIVES

- 2006/42/EC (Machinery Directive)
- 2014/30/EC (EMC Directive)
- 2014/35/EC (Low Voltage Directive)
- 2000/14/EC (Noise Emition Directive)

CANOPY / CONTAINER

- Modular type sound-proof canopy / container
- Easy installation type without welding canopy
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Locakable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start / stop failure

OPTIONAL EQUIPMENTS

- Charge ampmeter
- Circuit breakers (In automatic models)
- Residental / Critical type silencer
- Sound-proof canopy or container
- Mobile trailer and truck installation
- Synchronization panel for 2-32 gensets
- 3 pole / 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Anticondensation heater
- Fuel automation systems
- Different IP and Insulation class alternator
- PMG

INTERNATIONAL QUALITY STANDARD

- EN12601, EN60204, EN12100, EN61000, EN55011
- TS ISO 8528, TS ISO 3744, TS ISO 3746, TS ISO 13857
- EN60034, EN55014, ISO 3046, BS5000, IEC 60034
- VDE 0530, BSE 4999, EN60335, IBC 2015:EC8 2004

Easy maintenance canopy design

Refilling from the outside of the canopy

Canopy made of galvanized steel

Warning system for decreasing fuel with electronic fuel level sender

NPOWER
Power and automation technologies.

SDEC

Series Diesel Generator Sets

MODEL				N SD EG 0600	N SD EG 0660	N SD EG 0715
GROUP	GEN-SET POWER	STAND BY	kVA	600	660	715
			kW	480	528	572
		PRIME	kVA	540	594	643
			kW	432	475	515
	CANOPY DIMENSION (W x L x H) mm			1600 x 4000 x 2875	1700 x 4200 x 2780	1700 x 4200 x 2780
	CANOPY WEIGHT kg			3675	4795	4935
	OPEN DIMENSION (W x L x H) mm			1600 x 3500 x 1980	1700 x 3750 x 2170	1700 x 3750 x 2170
	OPEN WEIGHT			3210	4165	4305
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC25G690D2	SC27G755D2	SC27G830D2
	POWER	STAND BY	kW	483	530	585
		PRIME	kW	437	480	540
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			25,8	26,6	26,6
	NUMBER OF CYLNDERS			12 V	12 V	12 V
	BORE x STROKE (mm x mm)			135 X 150	135 X 155	135 X 155
	COMPRESSION RATIO			16:01	16:01	16:01
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	Direct
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		113,8	126	141
		%75 PRIME POWER		85,9	95,3	106,7
		%50 PRIME POWER		60,7	37,8	74,1
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			65	65	65
	TOTAL COOLANT CAPACITY (lt)			48	48	48
	FUEL TANK CAPACITY (lt)					

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SDEC
Series Diesel Generator Sets

790 kVA - 1000 kVA

ENGINE

- G-Drive Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged / turbocharged & air to air charge cooled
- Direct injection
- Mechanic / electronic governor system
- 12 / 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extention pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine jacket water heater (In automatic models)
- Maintenance and operating instructions

ALTERNATOR

- Brushless, single bearing
- H Class insulation type
- IP21-23 Protection class
- Self exciter
- Automatic voltage regulator
- 2/3 Pitch factor windings
- 4 Poles

AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

QUALITY STANDARD DIRECTIVES

- 2006/42/EC (Machinery Directive)
- 2014/30/EC (EMC Directive)
- 2014/35/EC (Low Voltage Directive)
- 2000/14/EC (Noise Emition Directive)

CANOPY / CONTAINER

- Modular type sound-proof canopy / container
- Easy installation type without welding canopy
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Locakable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start / stop failure

OPTIONAL EQUIPMENTS

- Charge ampmeter
- Circuit breakers (In automatic models)
- Residental / Critical type silencer
- Sound-proof canopy or container
- Mobile trailer and truck installation
- Synchronization panel for 2-32 gensets
- 3 pole / 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Anticondensation heater
- Fuel automation systems
- Different IP and Insulation class alternator
- PMG

INTERNATIONAL QUALITY STANDARD

- EN12601, EN60204, EN12100, EN61000, EN55011
- TS ISO 8528, TS ISO 3744, TS ISO 3746, TS ISO 13857
- EN60034, EN55014, ISO 3046, BS5000, IEC 60034
- VDE 0530, BSE 4999, EN60335, IBC 2015:EC8 2004

Easy maintenance canopy design

Refilling from the outside of the canopy

Canopy made of galvanized steel

Warning system for decreasing fuel with electronic fuel level sender

NPOWER
Power and automation technologies.

SDEC

Series Diesel Generator Sets

MODEL				N SD EG 0790	N SD EG 0860	N SD EG 1000
GROUP	GEN-SET POWER	STAND BY	kVA	790	860	1000
			kW	632	688	800
		PRIME	kVA	711	774	900
			kW	569	619	720
	CANOPY DIMENSION (W x L x H) mm			1700 x 4200 x 2780	2100 x 4700 x 3000	2200 x 5150 x 3425
	CANOPY WEIGHT kg			5300	4675	7890
	OPEN DIMENSION (W x L x H) mm			1700 x 3750 x 2170	2100 x 4000 x 2460	2200 x 4900 x 2580
	OPEN WEIGHT			4665	4115	6410
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC27G900D2	SC33W990D2	SC33W1150D2
	POWER	STAND BY	kW	637	698	832
		PRIME	kW	577	632	754
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			26,6	32,8	32,8
	NUMBER OF CYLNDERS			12 V	6 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			135 X 155	180 X 215	180 X 215
	COMPRESSION RATIO			16:01	15:01	16:01
	GOVERNOR TYPE			ELECTRONIC	ELECTRONIC	ELECTRONIC
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	Direct
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		148,8	163,7	193,5
		%75 PRIME POWER		115,5	123,9	146,3
		%50 PRIME POWER		76,7	84,3	100,1
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			65	75	75
	TOTAL COOLANT CAPACITY (lt)			48	56	56
	FUEL TANK CAPACITY (lt)					

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