NPOWER
Power and automation technologies.

VOLVO PENTA
Series Diesel Generator Sets

278 kVA - 351 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

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	MODEL			N VL XX 0278	N VL XX 0305	N VL XX 0351
GROUP	GEN-SET POWER	STAND BY	kVA	278	305	351
			kW	219	244	280,8
		PRIME	kVA	250	277	319
			kW	200	221	255
	CANOPY DIMENSION (W x L x H) mm			1150 x 3820 x 2460	1400 x 3950 x 2605	1400 x 3950 x 2605
	CANOPY WEIGHT kg			2330	3610	3765
	OPEN DIMENSION (W x L x H) mm			1150 x 2700 x 1920	1400 x 3500 x 1920	1400 x 3500 x 1920
	OPEN WEIGHT			2030	3090	3245
ENGINE	BRAND			VOLVO	VOLVO	VOLVO
	TYPE			TAD 734 GE	TAD 1341 GE	TAD 1341 GE
	POWER	STAND BY	kW	238	298	298
		PRIME	kW	213	271	271
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			7,15	12,78	12,78
	NUMBER OF CYLNDERS			6 IN LINE	6 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			108 x 130	131 x 158	131 x 158
	COMPRESSION RATIO			17 : 1	18,1 : 1	18,1 : 1
	GOVERNOR TYPE			ELECTRONIC		
	INDUCTION			TURBOCHARGED - AIR TO AIR		
	COMBUSTION SYSTEM			DIRECT INJECTION		
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		51,73	56,14	61,63
		%75 PRIME POWER		41,27	42,94	47,19
		%50 PRIME POWER		29,54	30,87	32,59
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			29	36	36
	TOTAL COOLANT CAPACITY (lt)			32	46	46
	FUEL TANK CAPACITY (lt)			585	1043	1043

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