

VOLVO 305-387 kVA

Technical Specifications



ENGINE

- VOLVO series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled / turbocharged & air to water charge cooled
- Direct injection
- Electronic governor system
- 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

QUALITY STANDARD

Our gen-sets; VDE 0530, BS 4999, BS 5000, IEC 34, TS ISO 8528, TS EN 12601 are manufactured in accordance with the standards mentioned above. Our company fulfills ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 management system requirements, and have the accredited certificates of Kiwa & MEYER. Also we've GOST-R certificate. Our gen-sets have TS ISO 8528-5, TS EN 12601 product standard certificates.

Our gen-sets are CE certified in accordance with the requirements of 2000/14/EC, noise emission directive.

ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure

EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-6 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter

CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

AUTOMATIC CONTROL PANEL

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

GEN-SET SAFETY 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



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



VOLVO Series Diesel Generator Sets 305-387 kVA

MODEL				E VL XX 0305	E VL XX 0351	E VL XX 0387	
GROUP	GEN - SET POWER	STAND BY	kVA	305	351	387	
			kW	277	277	310	
		PRIME	kVA	315	315	352	
			kW	252	252	282	
	CANOPY DIMENSION (W x L x H) mm				1600 x 3700 x 2600	1600 x 3700 x 2600	1600 x 3700 x 2600
	CANOPY WEIGHT kg				3575	3575	3575
	OPEN DIMENSION (W x L x H) mm				1600 x 3700 x 2700	1600 x 3700 x 2700	1600 x 3700 x 2700
	OPEN WEIGHT kg				3035	3035	3035
ENGINE	BRAND			VOLVO	VOLVO	VOLVO	
	TYPE			TAD 1341 GE	TAD 1341 GE	TAD 1342 GE	
	POWER	STAND BY	kW	298	298	333	
		PRIME	kW	271	271	303	
	SPEED (rpm)			1500	1500	1500	
	CYCLE			4	4	4	
	DISPLACEMENT (lt)			12,78	12,78	12,78	
	NUMBER OF CYLINDERS			6 IN LINE	6 IN LINE	6 IN LINE	
	BORE AND STROKE (mm x mm)			131 x 158	131 x 158	131 x 158	
	COMPRESSION RATIO			18,1 : 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% OF PRIME POWER		55,47	60,9	68,09	
		75% OF PRIME POWER		42,43	46,63	51,6	
50% OF PRIME POWER		30,5	32,2	35,83			
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			36	36	36		
TOTAL COOLANT CAPACITY (lt)			44	44	44		
FUEL TANK CAPACITY (lt)			1050	1050	1050		

Emsa reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice.