

ДЭС VOLVO 305-387 кВА

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 generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

We have ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO10002:2006 management system certificates from Kiwa & MEYER, an accredited independent quality organization.

Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

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

- The alternator windings are protected by insulating varnish against oil and acid.

EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 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
- PMG warning system

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	244	280,8	310	
		PRIME	kVA	277	319	352	
			kW	221	255	282	
	CANOPY DIMENSION (W x L x H) mm				1400 x 3950 x 2605	1400 x 3950 x 2605	1400 x 3950 x 2605
	CANOPY WEIGHT kg				3610	3765	3815
	OPEN DIMENSION (W x L x H) mm				1400 x 3500 x 1920	1400 x 3500 x 1920	1400 x 3500 x 1920
	OPEN WEIGHT kg				3090	3245	3295
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			56,14	61,63	68,9
75% OF PRIME POWER			42,94	47,19	52,22		
50% OF PRIME POWER			30,87	32,59	36,26		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)				36	36	36	
TOTAL COOLANT CAPACITY (lt)				46	46	46	
FUEL TANK CAPACITY (lt)				1043	1043	1043	

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