

VOLVO 180 - 250 kVA Technical Specifications

GENERATING SET	RCVL180	RCVL200	RCVL250
SILENT TYPE DIMENSION (WxLxH) mm (approximate)	3000x1200x1650	3500x1300x1850	3500x1300x1850
SILENT TYPE WEIGHT kg (approximate)	2410	3266	3770
OPEN TYPE DIMENSION (WxLxH) mm (approximate)	2600x900x1500	2600x900x1500	2800x1000x1650
OPEN TYPE WEIGHT kg(approximate)	1600	1600	2000
PRIME POWER KVA / KW	180 / 144	200 / 160	250 / 200
STANDBY POWER KVA / KW	198 / 158.4	220 / 176	275 / 220
VOLTAGE Volt /FREQUENCY Hz	400/50	400/50	400/50
PHASE	3	3	3
ENGINE			
BRAND			
MODEL	TAD732GE	TAD733GE	TAD734GE
COOLING SYSTEM	Water	Water	Water
NUMBER OF CLYNDER	6 in line	6 in line	6 in line
BORE x STROKE	108 x 130	108 x 130	108 x 130
DISPLACEMENT	7.15	7.15	7.15
ASPIRATION			
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 24	Electric / 24	Electric / 24
SPEED RPM	1500	1500	1500
SPEED GOVERNOR	Electrical	Electrical	Electrical
PRIME POWER kW	160	174.9	213
FUEL CONSUMPTION at 100% PRP L/h	38	43	48
TOTAL COOLANT CAPACITY (lt)	28.6	28.6	24
TOTAL LUBRICATION SYSTEM CAPACITY (lt)	34	34	29
ALTERNATOR			
TYPE			
POLES	4	4	4
INSULATION	Class H	Class H	Class H
EXCITER TYPE	Self Excitation	Self Excitation	Self Excitation
PROTECTION	IP23	IP23	IP23

ENGINE

- VOLVO Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled
- Direct injection
- Electronic governer 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

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

DIESEL GENSET STANDARD FEATURES

- 8 hours operation base tank
- 3 Pole MCCB
- Industrial/residential type silencer
- 12 /24 V battery
- Diesel gen-set maintance and operating instructions and electriacal circuit diagram

VOLVO 85 - 150 kVA Technical Specifications

GENERATING SET	RCVL85	RCVL100	RCVL130	RCVL150
SILENT TYPE DIMENSION (WxLxH) mm (approximate)	2500x1100x1450	2750x 1150x1550	2750x1150x1550	3000x1200x1650
SILENT TYPE WEIGHT kg (approximate)	1418	1898	2063	2190
OPEN TYPE DIMENSION (WxLxH) mm (approximate)	2100x800x1550	2200x850x1500	2200x850x1500	2600x900x1500
OPEN TYPE WEIGHT kg(approximate)	1300	1350	1350	1600
PRIME POWER KVA / KW	85 / 68	100 / 80	130 / 104	152 / 121.6
STANDBY POWER KVA / KW	94 / 74.8	110 / 88	143 / 114.4	167 / 133.7
VOLTAGE Volt /FREQUENCY Hz	400/50	400/50	400/50	400/50
PHASE	3	3	3	3
ENGINE				
BRAND	VOLVO PENTA			
MODEL	TD520	TAD531GE	TAD532GE	TAD731GE
COOLING SYSTEM	Water	Water	Water	Water
NUMBER OF CLYNDER	4 in line	4 in line	4 in line	6 in line
BORE x STROKE	108 x 130	108 x 130	108 x 130	108 x 130
DISPLACEMENT	4.76	4.76	4.76	7.15
ASPIRATION	Turbocharged	Turbocharged intercooler		
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12
SPEED RPM	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical
PRIME POWER kW	68	88	112	134.5
FUEL CONSUMPTION at 100% PRP L/h	13	20	27	32
TOTAL COOLANT CAPACITY (lt)	12.5	12.5	13	14
TOTAL LUBRICATION SYSTEM CAPACITY (lt)	13	13	13	20
ALTERNATOR				
TYPE	Brushless/shunt			
POLES	4	4	4	4
INSULATION	Class H	Class H	Class H	Class H
EXCITER TYPE	Self Excitation	Self Excitation	Self Excitation	Self Excitation
PROTECTION	IP23	IP23	IP23	IP23

ENGINE

- VOLVO Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled
- Direct injection
- Electronic governer 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

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

DIESEL GENSET STANDARD FEATURES

- 8 hours operation base tank
- 3 Pole MCCB
- Industrial/residential type silencer
- 12 /24 V battery
- Diesel gen-set maintance and operating instructions and electrical circuit diagram