

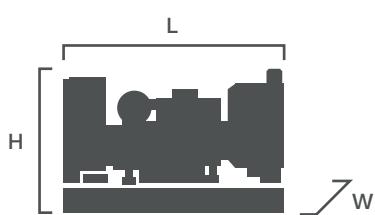


General Performance Data

Engine	Brand	VOLVO	
	Model	TAD1344GE-B	
Control module	Deep Sea 4520		
Starting voltage	V	24	
Frequency	Hz	50	
Number of phases		3	

	Prime	Standby
Power kVA	413	450
Power kW	330	360
Rated speed	r.p.m	1500
Standard voltage	V	220
Available voltages	V	400
Power factor	Cos Phi	0,8

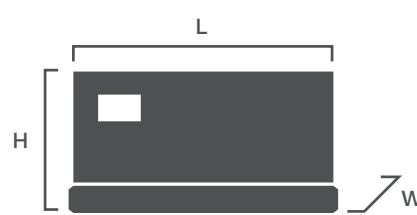
Open



Dimension

Length (L)	mm	3693
Height (H)	mm	1810
Width (W)	mm	1180
Weight	Kg	3346
Fuel Tank	L	600

Silent



Dimension

Length (L)	mm	4640
Height (H)	mm	2285
Width (W)	mm	1180
Weight	Kg	4019
Fuel Tank	L	600

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	91.5
100% Prime	0000	86.2
75% Prime	0000	59
50% Prime	0000	ND
25% Prime	0000	ND

Standards Followed

ISO9001	ISO14001
ISO8528	ISO12100
ISO13849	EN12601
GB12786	GB/T2820
IEC60034	IEC60204
CE	RETIE

General Engine Data

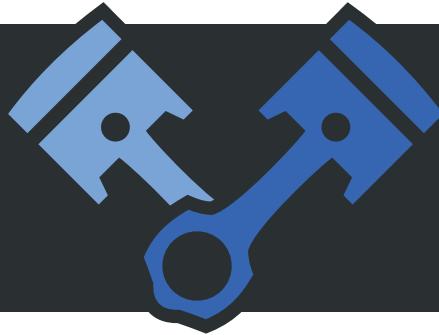
Engine brand	VOLVO	
Engine ref.	TAD1344GE-B	
Engine type	4-stroke diesel	
Governor type	Electronic	
Injection	Direct	
Aspiration	Turbo Aftercooler	
Number of cylinders and arrangement	6	- L
Bore and stroke	mm	131x 158

Displacement	L	12.8
Cooling system	Water	
Lube oil consumption with full load	0.5%-1%	of fuel
Compression ratio	18.1:1	
Engine oil capacity	L	36
Total coolant capacity	L	44
Air filter	Type	Dry

Diesel engine	Dry air filter
4-stroke cycle	Radiator with pusher fan
Water-cooled	Electronic governor
12V electrical system	Hot parts protection
Water separator filter	Moving parts protection

Optionals

- Water jacked heater
- Radiator water level sensor
- Oil heater
- Heavy duty air filter



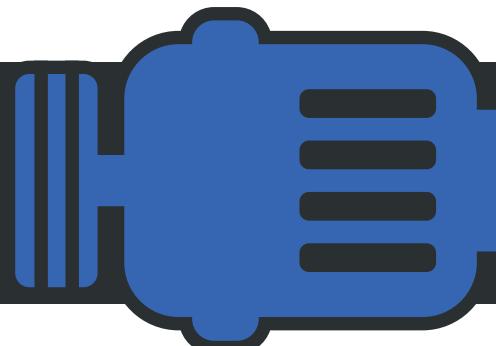
Alternator Specifications

Number of phase	3
Power factor	0.8
Poles	4
Winding Connections (standard)	Star-Serie
Insulation	H class
Enclosure (according IEC-34-5)	IP23

Excitation system	Auxiliary coil, brushless
Voltage regulator	Electronic
No. of bearings	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)

Optionals

- Self-excited and self-regulated
- IP23 protection
- H class insulation
- Alternator pre-heater
- Winding temp. measuring instrument
- PMG / AREP / MAUX



Application Data

Fuel system	Open	Silent	Exhaust system	
Fuel oil specifications		Diesel	Maximum exhaust temperature	°C 600
Standard fuel tank capacity	L 600	600	Exhaust gas flow	L/s (m ³ /min) 2119
			Maximum allowed back pressure	kPa 10
Air system			Starting system	
Intake air flow	L/s 240		Starting power	kW 06
Cooling air flow	m ³ /s 6.8		Recommended battery	Ah 150
			Number of batteries	2
			Auxiliary voltage	Vdc 12

Genset version

Steel chassis	High mechanical strength
Emergency stop button	Epoxy polyester powder coating
Anti-vibration shock absorbers	Fuel tank drain plug
Chassis with integrated fuel tank	Steel residential silencer - 20dbA attenuation
Fuel level gauge	Battery charger

Options

Trailer type



Standard reference conditions

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25°C, 30% relative humidity.

Weights and dimensions based on standard products. Illustrations may include optional equipment. Technical data described in this catalogue correspond to the available information at the moment of printing.

Control Panel Data

Features of the control panel	Basic Model (Standard)	Advanced Model (Optional)
Voltage between phases	o	o
Voltage between neutral and phase	o	o
Current intensities	o	o
Frequency	o	o
Apparent power (kVA)	o	o
Active power (kW)	o	o
Reactive power (kVAr)	o	o
Power factor	o	o
Voltage between phases	o	o
Emergency stop	o	o
Binary inputs	6/6	7/7
Analog inputs	3	3
2x10A Current outputs	o	-
I/O Configuration	o/o	o/o
D+ Function	o	o
Speed sensor	o	o
Amf/Mrs	o/o	o/o
GCB/MCB	o/o	o/o
3ph voltage measurement Gen./Mains	o/o	o
3ph current measurement	o	o
kW / kWh / kVA	o	o
Engine reading	o	o
Engine protection	o	o
Alternator protection	o	o
Earth current protection	o	o
History file	150	350
RTC/Battery	o/-	o/o
PLC	-	-
4G	x	-
Airgate	-	x
ECU CAN	o	o
MODBUS	x	x
MODBUS IP	x	x
SNMP	-	x
SNMP TRAPS	-	-
RS232	x	x
RS485	x	x
GSM/GPRS modem	x	x
Remote screen	x	x
Software for PC	x	x

Standard: o

Optional: x

Not Available: -