

Open Volvo water-cooled diesel

EUROPOWER Generators

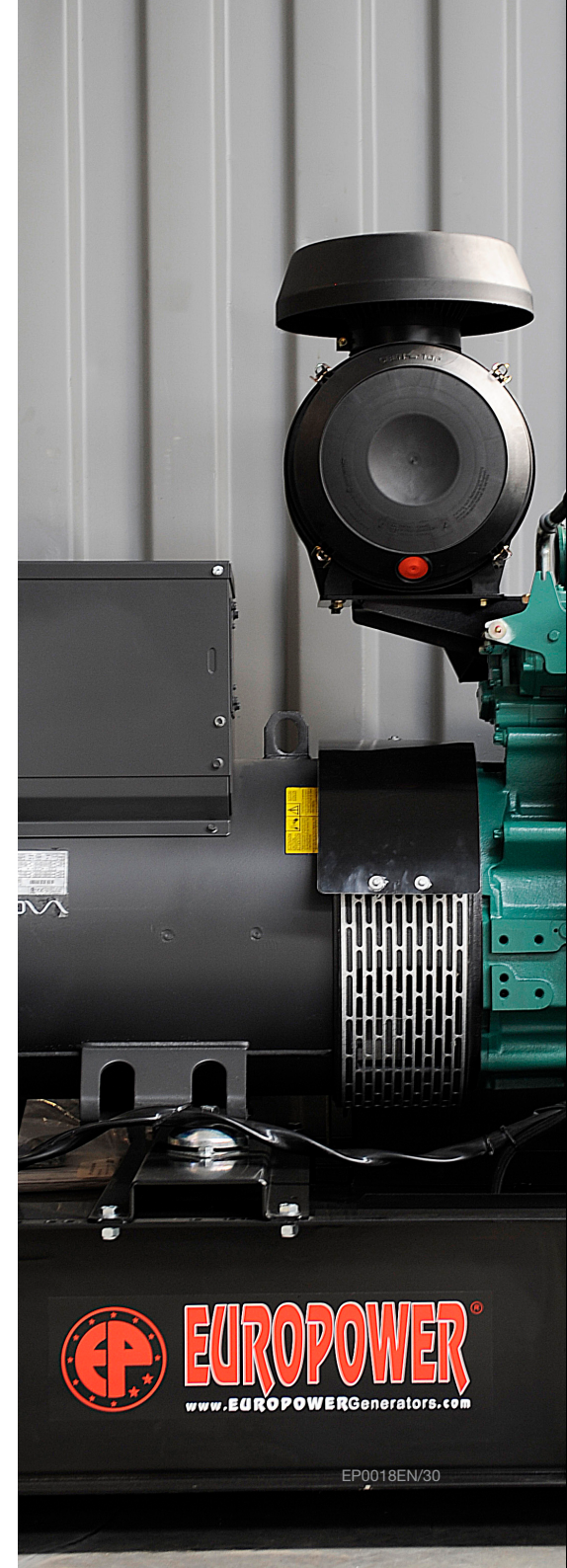
Europower open generating sets from 85 to 250kVA with Volvo water-cooled diesel engines, 1500rpm, 50Hz, 4 stroke

85 - 250kVA

**VOLVO
PENTA**



EP85TDE



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EP0018EN/30

LEGEND



SOCKET CONFIGURATIONS

A	2 sockets 230V - 16A
A0	1 socket 230V - 16A
A1	1 socket 230V - 16A + 2 sockets CEE 230V - 16A
A2	1 socket 230V - 16A + 1 socket CEE 230V - 32A
A3	1 socket 230V - 16A + 1 socket CEE 230V - 16A + 1 socket CEE 230V - 32A
A4	1 socket 230V - 16A + 2 sockets CEE 230V - 32A
A5	1 socket 230V - 16A + 1 socket CEE 230V - 63A
A6	1 socket 230V - 16A + 1 socket CEE 230V - 16A + 1 socket CEE 230V - 32A + 1 socket CEE 230V - 63A
A7	2 sockets 230V - 16A + 1 socket CEE 230V - 32A
A8	2 sockets 230V - 16A + 1 socket CEE 230V - 16A + 1 socket CEE 230V - 32A
A9	2 sockets 230V - 16A + 1 socket CEE 230V - 16A
A10	2 sockets 230V - 16A + 1 socket CEE 230V - 16A + 2 sockets CEE 230V - 32A + 1 socket CEE 230V - 63A
A11	1 socket 230V - 16A + 1 socket CEE 230V - 16A
B	1 socket 230V - 16A + 1 socket CEE 400V - 16A 5 p.
B1	2 sockets CEE 42V - 200Hz - 32A 3 p.
B2	4 sockets CEE 42V - 200Hz - 16A 3 p.
B3	1 socket 230V - 16A + 1 socket CEE 230V - 16A + 1 socket CEE 400V - 16A 5 p.
B4	1 socket 230V - 16A + 1 socket CEE 230V - 32A + 1 socket CEE 400V - 32A 5 p.
B5	2 sockets 230V - 16A + 1 socket CEE 230V - 16A + 1 socket CEE 230V - 32A + 1 socket CEE 400V - 16A 5 p. + 1 socket CEE 400V - 32A 5 p.
B6	1 socket 230V - 16A + 1 socket CEE 230V - 32A + 1 socket CEE 400V - 16A 5 p.
B7	2 sockets 230V - 16A + 1 socket CEE 400V - 16A 5 p.
B8	1 socket 230V - 16A + 1 socket CEE 230V - 32A + 2 sockets CEE 400V - (32A 5 p. + 125A 5 p.)
B9	2 sockets 230V - 16A + 1 socket CEE 230V - 16A + 1 socket CEE 400V - 16A 5 p.
B10	1 socket 230V - 16A + 2 sockets CEE 230V - 16A + 1 socket CEE 400V - 16A 5 p.
B11	2 sockets 230V - 16A + 1 socket CEE 230V - 16A + 1 socket CEE 230V - 32A + 1 socket CEE 400V - 16A 5 p.
B12	1 socket CEE 230V - 63A + 1 socket CEE 400V - 63A 5 p.
B13	1 socket 230V - 16A + 1 socket CEE 230V - 63A + 1 socket CEE 400V - 63A 5 p.
B14	2 sockets 230V - 16A + 1 socket CEE 230V - 16A

B15	1 socket 230V - 16A + 1 x CEE 230V - 16A + 1 x CEE 230V - 32A + 1 x CEE 400V - 16A 5 p. + 1 x CEE 400V - 32A 5 p. + 1 x CEE 400V - 63A 5 p. + 1 x CEE 400V - 125A 5 p.
B16	1 socket 230V - 16A + 1 x CEE 230V - 16A + 1 x CEE 230V - 32A + 1 x CEE 230V - 63A + 1 x CEE 400V - 16A 5 p. + 1 x CEE 400V - 32A 5 p. + 1 x CEE 400V - 63A 5 p. + 1 x CEE 400V - 125A 5 p.
B17	1 socket CEE 230V - 16A + 1 socket CEE 400V - 16A 5 p.
B18	3 sockets 230V - 16A + 1 socket CEE 400V - 16A 5 p.
BDIN1	1 socket CEE 400V - 16A 5 p. IP67 + 3 Schuko sockets (DIN49442) 230V - 16A 3 p. IP68
BDIN2	1 socket CEE 400V - 32A 5 p. IP67 + 3 Schuko sockets (DIN49442) 230V - 16A 3 p. IP68

VERSION

AC	Automatic choke (for temperatures > 0°C)
AIS	ECO-Automatic Idle System
Amp1	1 Amperemeter
Amp3	3 Amperemeters
AREP	Alternator Regulation Excitation Polymorphic
AVR	Automatic voltage regulator
BFT	Bunded fuel tank
CLS	Low coolant level switch
DC12	12V DC Battery Charger
DC24	24V DC Battery Charger
DH	Document holder
DS	Dual speed with economy switch
DSE	Deep Sea Electronics control and start module DSE4520
E	Electric start, battery included (battery acid not included)
E1	Electric start, maintenance free battery included
EnB	Electric start, battery not included
EC	Electric choke
Erpm	Electronic speed governor
ES	Emergency stop
ET	Earth tester with pilot lamp
F	Frame
FG	Mechanical fuel level meter
FH	Integrated forklift holes
FI	Earth leakage protection 30mA

FI2	Earth leakage protection 30mA without earth pin
FI4	Earth leakage protection 30mA with earth pin and 4m earth cable
FIA	Earth leakage protection 30-350mA, adjustable, with earth pin and 4m earth-cable
FLM	Fuel level meter
FP	Fuel pump 12V
FPM	Membrane fuel pump
FFPM	Manual fuel feed pump
GALV	Galvanised chassis with forklift holes and 20 mm bumper
h	Hour counter
Hz	Frequency meter
IB	Insulation protection
LE	Central lifting eye
LFLS	Low fuel level switch
LFLS2	Double low fuel level switch (alarm + shut down)
LH	4 Lifting handles
LS2	Leroy Somer alternator 'System 2' for tropical environment
M	Muffler (not mounted on the engine) + flange (supplied loose)
MS	Magneto-Stop
O	Oil guard
ODP	Oil drain pump
OL	Low oil pressure control lamp
OP	Low oil pressure guard
P	Portable
PAI	Preheating air intake
PC	5 'Powersafe' power connectors
PI	Illuminated control panel
R	Recoil starter
TB	Tool box with spare parts
TC	Terminal power connection
TE	Securing eyes for transportation
Th	Circuit breaker
TM	Thermal magnetic breaker
TM2	Thermal magnetic breaker, with tripping coil with individual thermal magnetic breakers on each socket
TP	High temperature security
V	Voltmeter
VF	Viscous fan clutch
VS	Voltmeter selector switch
W	Power meter with maximum indication
WS	Water separator

Europower open generating sets from 85 to 250kVA with Volvo water-cooled diesel engines, 1500rpm, 50Hz, 4 stroke

Article code	TYPE	kVA max.	kVA cont.	Amp. (cos phi 0.8)		Engine Volvo (EU Stage IIIA)	Cil.	Electronic speed governor	kW	cm³	Tank (l)	Cons. @75% load (l/h)	Autonomy @75% load (h)	Battery voltage (V)	Alternator	Alternator type	Dimensions (cm)	kg	dB(A) @ 7m	Lwa
				1 ~ 230V	3 ~ 400V															
781108503	EP85TDE-3A	94	85	122	123	TAD550GE	4	Standard	76	4760	430	16.8	25.6	24	Leroy Somer	LSA44.3S4 AREP	250x110x161	1245	85	*
791108503	EP85TDE-3A	94	85	122	123	TAD550GE	4	Standard	76	4760	430	16.8	25.6	24	Mecc Alte	ECP34-1S/4	250x110x161	1245	85	*
781110003	EP100TDE-3A	110	100	144	144	TAD551GE	4	Standard	89	4760	430	21.2	20.3	24	Leroy Somer	LSA44.3S5 AREP	250x110x161	1322	86	*
791110003	EP100TDE-3A	110	100	152	144	TAD551GE	4	Standard	89	4760	430	21.2	20.3	24	Mecc Alte	ECP34-2S/4	250x110x161	1375	86	*
781113003	EP130TDE-3A	143	130	187	187	TAD750GE	6	Standard	114	7150	430	23.8	18.1	24	Leroy Somer	LSA44.3M8 AREP	250x110x161	1635	87	*
791113003	EP130TDE-3A	143	130	187	187	TAD750GE	6	Standard	114	7150	430	23.8	18.1	24	Mecc Alte	ECP34-1L/4	250x110x161	1635	87	*
781115003	EP150TDE-3A	165	150	216	216	TAD751GE	6	Standard	132	7150	430	28	15.4	24	Leroy Somer	LSA44.3L10 AREP	250x110x162	1715	88	*
791115003	EP150TDE-3A	165	150	216	216	TAD751GE	6	Standard	132	7150	430	28	15.4	24	Mecc Alte	ECP34-2L/4	250x110x162	1715	88	*
781118003	EP180TDE-3A	198	180	260	260	TAD752GE	6	Standard	158	7150	500	31	16.1	24	Leroy Somer	LSA46.3S2 AREP	280x115x173	1799	89	*
791118003	EP180TDE-3A	198	180	260	260	TAD752GE	6	Standard	158	7150	500	31	16.1	24	Mecc Alte	ECO38-1SN/4	280x115x173	1815	89	*
781120003	EP200TDE-3A	220	200	289	289	TAD753GE	6	Standard	173	7150	500	33.6	14.9	24	Leroy Somer	LSA46.3S3 AREP	280x115x173	1839	90	*
791120003	EP200TDE-3A	220	200	289	289	TAD753GE	6	Standard	173	7150	500	33.6	14.9	24	Mecc Alte	ECO38-2SN/4	280x115x173	1865	90	*
781125003	EP250TDE-3A	275	250	361	361	TAD754GE	6	Standard	217	7150	500	43.4	11.5	24	Leroy Somer	LSA46.3S5 AREP	280x115x173	2067	91	*
791125003	EP250TDE-3A	275	250	361	361	TAD754GE	6	Standard	217	7150	500	43.4	11.5	24	Mecc Alte	ECO38-1LN/4	280x115x173	2095	91	*

Generating sets with * cannot be used outdoors in the EU.

All generating sets are equipped with Amp3-AVR-CLS-DSE-E1-Erpm-ES-FLM-FPM-FFPM-h-Hz-LFLS2-M-MS-ODP-OP-TC-TE-TM-TP-V-WSFP.

Besides the above, all generating sets with Leroy Somer alternator are also equipped with LS2 for tropical environment. See page 46.

At present all EU portable generators in the power range from 18 to 560kVA are required to meet Stage IIIA regulations. A portable generator is either a rental set or a unit that is moved more than twice a year. The EU does not regulate emissions from stationary diesel generators used for prime power, peak shaving or emergency standby power.

Features & Benefits

E.S.G.



The **Electronic Speed Governor** maintains a **constant and stable engine speed** and **alternator frequency**. Together with the AVR, this results in better performance for sensitive appliances. Both **E.S.G.** and **AVR** are needed for **multiple generating sets parallel operation**.

Clean power



These generators are built with a **Stage IIIA engine**, which reduces the emission of gaseous and particulate pollutants such as CO₂. **Stage II engines are still available** and **approved** for stationary prime or emergency standby installations in the European Community.

Fuel efficiency



With Volvo engines we achieve **higher levels of efficiency than ever before**, resulting in **improved fuel economy** and **reduced exhaust emission levels** that even comply with future legislation. Volvo equals **highest kWh/liter fuel**.

Regulated power



AVR stands for **Automatic Voltage Regulator** to maintain a **constant and stable voltage**. This results in better performance for sensitive appliances.

Min. 11h at 75%



This range of **open generating sets** with **Volvo engine** offers a minimum of **11 to 25 running hours at 75% load**. Ideal for **backup solutions**.

A.S.S.S.



All generating sets with **Volvo engine** are equipped with **DSE Auto start/Auto Mains Failure** modules with three phase mains control. Automatic Transfer Switch, battery charger, **Internet control** or **cell phone control** are optional.



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