

Diesel
Super-silenced
Water-cooled
1500rpm

9 Elephant



60-600kVA
50Hz
4 stroke



VOLVO
PENTA

APPLICATIONS

- Backup systems
- Construction sites
- Vegetable growing
- Events
- Production support

MADE IN BELGIUM



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

B16

B17

B18

BDIN1

BDIN2

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

+ 1 socket CEE 230V - 32A + 1 socket CEE 400V - 32A 5 p. + 1 socket CEE 400V - 63A 5 p.

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

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

						
Article code	784106013	781110013	781115013	781120013	781125013	780241013
Type	EPS60TDE-3A	EPS100TDE-3A	EPS150TDE-3A	EPS200TDE-3A	EPS250TDE-3A	EPS410TDE
kVA max.	66	110	165	220	275	450
kVA cont.	60	100	150	200	250	410
Amps 1~230V	87	143	217	287	361	596
Amps 3~400V	87	144	217	287	361	592
Engine	Iveco NEF N45SM1F	Volvo TAD551GE	Volvo TAD751GE	Volvo TAD753GE	Volvo TAD754GE	Volvo TAD1344GE
Displacement (cm³)	4500	4760	7150	7150	7150	12780
Number of cylinders	4	4	6	6	6	6
Content tank (l)	195	195	288	378	352	Optioneel
Consumption @75% load (l/h)	12,5	21,2	28	33,6	43,4	62
Autonomy @75% load (h)	15,6	9,2	10,3	10,5	8,1	-
Dimensions (cm)	285x114x190	285x114x190	330x122x197	360x123x221	360x123x221	422x160x228
Weight (kg)	1433	1722	2245	2780	2940	4100
dB(A) @ 7 meters	64	71	72	72	72	72
LWA	89	96	97	97	97	97

Stage II engines are still available and approved for stationary prime or emergency standby installations in the European Community.

FEATURES AND BENEFITS

AVR



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

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. Volvo equals highest kWh/liter fuel.

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 parallel operation of multiple generating sets.

Min. 8h at 75%



This range of super-silenced generating sets offers a minimum of 8 to 16 running hours at 75% load. Ideal for backup solutions.

A.S.S.S.



All generating sets 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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