

GENERATING SET

GE 275 VPSX - GE 275 VPSX EAS GE 275 VPMSX - GE 275 VPMSX EAS

- VOLVO PENTA water cooled diesel engine - 1500 rpm
- Common-rail engine with electronic governor
- Control panel unit "GECO" with the following features :
 - automatic main failure (AMF) logic (EAS ONLY)
 - engine protection
 - Control of main electric and engine parameters
 - large lightback display – multilanguage messages
 - Back-up memory of the last 255 events
 - remote communication via RS232 port
- GE 275 VPSX – STAMFORD three-phase synchronous alternator
- GE 275 VPMSX – MARELLI three-phase synchronous alternator
- Four pole circuit breaker
- Oil drain pump
- Central lifting eye
- Ready for connection to load transfer switch (ATS, ONLY EAS)
- Meets EC directives for safety and noise level



Standard Equipment											
	Diesel engine	Water cooling	Battery 24V (2x12V)	Synchronous alternator	Automatic Voltage Regulator	Circuit Breaker	Terminal block	Emergency stop button	Siren	Central lifting eye	Ready for PAC

GECO

Alarms: high water temperature – low oil pressure – low level water – overspeed – low level fuel – fail to start – battery charge damage low/ high battery voltage– unexpected stop – under/over generator frequency – under/over generator voltage – asymmetry generator voltage generator and main sequence phase error – maintenance request.

Controls: water temperature gauge – oil pressure gauge – fuel level gauge – hours meter – rpm meter – number of start attempts - remaining time until maintenance due. battery voltage – generator and main voltage: N-L1; N-L2; N-L3; L1-L2; L2-L3; L3-L1 – generator current: L1; L2; L3– generator and main frequency cos φ L1, L2, L3, average - generator power: kVA, kW, KVAR L1, L2, L3, total – energy counter

Factory installation options	<ul style="list-style-type: none"> ● 50/60 Hz Selector ● ELR-Earth Leakage Relay (GFI) ● Volt adjustable from control panel ● Permanent Magnet Generator ● Water heater WH ● Remote control by PC : via RS232 port (15m max.) - via RS485 port - via modem - via GSM modem - via GPRS - via Ethernet 	<ul style="list-style-type: none"> ● Noise reduction baffles ● Automatic fuel transfer pump ● 3-way valve fuel system with quick connection for external fuel tank feeding ● Fuel tank 120l 	<ul style="list-style-type: none"> ● Foot container kit ● Wheels container kit
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- Options on request**
- Load transfer switch PAC 300 MTE
 - Earthing kit

Technical Data GE 275 VPSX / GE 275 VPSX EAS GE 275 VPMSX / GE 275 VPMSX EAS

A.C GENERATION – 50 Hz	Three-phase synchronous alternator, self-excited, self-regulated, brushless
* Stand-by single-phase power	275 kVA (220 kW) / 400 V / 397 A
* P.R.P. single-phase power	250 kVA (200 kW) / 400 V / 261 A
Cos φ	0.8
Insulation class	H
* Output powers according to ISO 8528-1	
ENGINE	4-stroke diesel, common-rail, turbocharged-air to air charge cooled , direct injection, water cooled
Model	VOLVO PENTA TAD734GE
* Stand-By net power	241 kW (327 HP)
* P.R.P. net power	216 kW (240 HP)
Cylinders/ Displacement	6/ 7.15 l (7150 cm ³)
Speed	1500 rpm
Fuel consumption (75% of P.R.P.)	43.6 l/h
* Powers according to ISO 3046-1	

GENERAL SPECIFICATION	
Tank capacity	250 l
Running time (75% of P.R.P.)	6 h
IP protection degree	IP 44
*Dimensions LxWxh (mm)	4000x1300x2000
*Dry weight	3050 kg
**Measured acoustic power LwA (pressure LpA)	97 dB(A) (72 dB(A) @ 7 m)
**Guaranteed acoustic power LwA (pressure LpA)	97 dB(A) (72 dB(A) @ 7 m)
* Dimensions and weight without trolley/trailer. **Acoustic power according to European Directive 2000/14/EC	

Mosa reserves the right to change this specification without notice. For further information please contact the sales department