




















# GENERATING SET

## GE 415 VP Skid - S - SX

- VOLVO Penta Diesel engine, water-cooled with electronic speed regulation.
- Brushless alternator with electronic voltage regulation (AVR)
- "BRAIN" control panel unit with the following features:
  - Automatic Mains Failure with QEA logic
  - Engine protection - high water temp., low oil press., overspeed, low battery voltage etc.
  - More than 30 selectable alarms
  - Digital display - water temp., oil press., fuel level, battery voltage, engine speed, phase and line voltages, currents,
- Connection to PAC load transfer switch (with QEA logic)
- All versions can be prepared for manual or automatic operation (with QEA logic)



|                      |   |  |  |  |  |   |   |  |   |  |  |
|----------------------|---|--|--|--|--|---|---|--|---|--|--|
| Base equipment unit  |    |   |   |   |   |    |   |   |                                |  |  |
|                      | Diesel engine   | Water cooling  | Electric starter   | Battery 24V (2 x 12V)  | Emergency stop button  | Synchronous alternator  | Electronic voltage regulator  | Fuel alarm   | Overload and short circ. protection   |  |  |
| Factory installation |   |  |  |  |  |   |  |  |                               |  |  |
|                      | BRAIN Unit  | Engine shut down oil   | Engine shut down temp.   | Engine shut down overspeed   | Engine shut down battery charge  | Hour counter  | Main, gen., battery   | Main, generator  | Countdown maintenance   | Remote starting  |  |
| Options on request   | <ul style="list-style-type: none"><li>CE Kit (4 poles circuit breaker + G.F.I.)</li><li>QEA Logic</li><li>Fuel level gauge with alarm</li></ul> |  |  |  |  | <ul style="list-style-type: none"><li>Heater Kit</li><li>Fuel charging pump kit</li><li>Low level cooling alarm</li></ul> |   |  | <ul style="list-style-type: none"><li>Semiresidential muffler</li><li>Permanent magnet (PHG) alternator</li></ul> |  |  |
|                      | <ul style="list-style-type: none"><li>PAC (load transfer switch)</li></ul>  |  |  |  |  |   |   |  |   |  |  |

### Technical data

| A.C. GENERATION  |                                  | 50 Hz, three-phase, synchronous alternator, self-excited, self-regulated, brushless |                        |
|--|----------------------------------|---|------------------------|
| * Three-phase power (L.T.P.)   | 415 kVA (332 kW) / 400 V / 599 A |   |                        |
| * Three-phase power (P.R.P.)   | 375 kVA (300 kW) / 400 V / 541 A |   |                        |
| Power factor (cos φ)   | 0.8                              |   |                        |
| Insulating class   | H                                |   |                        |
| * Output according to ISO 8528-1   |                                  |   |                        |
| ENGINE   |                                  | Diesel, 4-stroke, water cooled  |                        |
| Type   | VOLVO Penta TAD 1241 GE          |   |                        |
| # Output (L.T.P.)  | 354 kW                           |   |                        |
| # Output (P.R.P.)  | 323 kW                           |   |                        |
| Speed  | 1500 rpm                         |   |                        |
| Displacement   | 12130 cm³                        |   |                        |
| Cylinders  | 6                                |   |                        |
| Fuel consumption   | 198 g/kWh                        |   |                        |
| # Output according to ISO 3046/1   |                                  |   |                        |
| GENERAL SPECIFICATIONS   |                                  |   |                        |
| Tank capacity  | 900 l                            | 430 l   | 590 l                  |
| Running time (Load 75%)  | 16 h                             | 8 h   | 10.5 h                 |
| Protection   | IP 20                            | IP 44   | IP 44                  |
| Dimensions Lxwxh (mm)*   | 3200x1300x2050                   | 3300x1320x2550  | 4000x1300x2715         |
| Weight*  | 4050 kg                          | N/A   | 4500 kg                |
| Noise level  | N/A                              | 109 LWA(80 dB(A) - 7 m)   | 99 LWA(74 dB(A) - 7 m) |
| * Dimensions and weight are inclusive of all parts without wheels and towbar |                                  |   |                        |

Values shown are nominal values. For further information please contact the sales department.