

## 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		
	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	
<b>Factory installation</b>	<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>				
<b>Options on request</b>	<ul style="list-style-type: none"> <li>● PAC (load transfer switch)</li> </ul>										

Technical data	GE 415 VP SKID	GE 415 VPS	GE 415 VPSX
<b>A.C. GENERATION</b>	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			
<b>ENGINE</b>	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 cm <sup>3</sup>		
Cylinders	6		
Fuel consumption	198 g/kWh		
# Output according to ISO 3046/1			
<b>GENERAL SPECIFICATIONS</b>			
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.