

# GENERATING SET

## GE 445 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	GE 445 VP SKID	GE 445 VPS	GE 445 VPSX
A.C. GENERATION	50 Hz, three-phase, synchronous alternator, self-excited, self-regulated, brushless		
* Three-phase power (L.T.P.)	440 kVA (352 kW) / 400 V / 635 A		
* Three-phase power (P.R.P.)	400 kVA (320 kW) / 400 V / 577 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 1242 GE		
# Output (L.T.P.)	387 kW		
# Output (P.R.P.)	352 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%)	14.5 h	7 h	9.5 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.