

## 591.0 kVA VOLVO-PENTA GENERATOR

### FEATURES & BENEFITS

- Maximum 651.0 kVA, 400 V, 1500 RPM
- Industrial brushless alternator with AVR
- Steel baseframe, retention basin & fuel tank with sensor
- 950 litre tank for 10 hrs @ 75% Load
- Test report, manuals and electrical drawings supplied
- Modular design, open and silent version available
- Industrial silencer and coupling flange
- Electrical panel mounted on board the unit with digital control device installed in metal box
- Compact for easy handling and use
- World wide after sales service and technical support



GENERAL DATA	
<b>Model:</b>	V590GXHD
<b>Continuous power (PRP):</b>	591.0 kVA
<b>Continuous power (PRP):</b>	472.8 kW
<b>Stand-by power (LTP):</b>	651.0 kVA
<b>Stand-by power (LTP):</b>	520.8 kW
<b>Power factor:</b>	0.8
<b>Frequency (Hz):</b>	50 Hz
<b>Voltage (V):</b>	400 V
<b>Width:</b>	1830 mm
<b>Length:</b>	4750 mm
<b>Height:</b>	2300 mm
<b>Weight:</b>	4940 kgs
<b>Tank Capacity:</b>	950 l
<b>dBa @ 7m:</b>	N/A

ALTERNATOR	
<b>Alternator brand:</b>	STAMFORD
<b>Alternator model:</b>	HCI5E
<b>L.T.P. Power:</b>	750.0 kVA
<b>P.R.P. Power:</b>	680.0 kVA
<b>Connection:</b>	Series star
<b>Phases:</b>	Three phases with neutral
<b>Terminal Number:</b>	12
<b>IP Protection:</b>	23
<b>Alternate Alternator:</b>	STAMFORD / HCI5E

ENGINE DATA	
<b>Brand:</b>	VOLVO-PENTA
<b>Model:</b>	TAD1642GE
<b>Cylinders:</b>	6
<b>RPM:</b>	1500
<b>Cubic Capacity:</b>	16.12
<b>Air Intake:</b>	Turbocharged
<b>Standard Voltage:</b>	24
<b>SAE:</b>	1-14
<b>BMEP:</b>	2800
<b>Cooling:</b>	Water
<b>Flywheel P.R.P. Power:</b>	503.0 kW
<b>Flywheel Stand-by Power:</b>	554.0 kW
<b>Oil Qty:</b>	48.0 l
<b>Antifreeze Qty:</b>	33.0 l
<b>Heat from Radiator:</b>	112.0 kW
<b>Heat from Exhaust:</b>	379.0 kW
<b>Exhaust Temperature:</b>	456 °C
<b>Cooling Airflow:</b>	444.00 m³/min
<b>Combustion Airflow:</b>	0.00 m³/min
<b>Exhaust Airflow:</b>	94.40 m³/min
<b>TA Luft / TA Luft 2:</b>	Standard / Not available
<b>Stage:</b>	Stage 2

FUEL CONSUMPTION	
<b>Fuel Cons. at 110%:</b>	134.4 l/h
<b>Fuel Cons. at 100%:</b>	130.3 l/h
<b>Fuel Cons. at 75%:</b>	90.1 l/h
<b>Fuel Cons. at 50%:</b>	60.9 l/h
<b>Fuel Cons. at 25%:</b>	32.2 l/h

\* Specs subject to change without prior notice.  
 \* Measurements based on ISO8528-1 Standards  
 \* Picture may vary from actual product.