

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

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

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

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

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

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