TECHNICAL DATASHEET V 450 GX



V 450 GX





GALAXY "GX"



Description VOLVO-PENTA Engine model TAD1345GE Cylinders 6 RPM speed 1500 Cubic capacity 12.78 Air intake Turbocharged Standard voltage 24 Vdc Optional voltage 24 Vdc Sae 1-14 KPa BMEP 2500 kPa Cooling Water Water Flywheel P.R.P. Power net 38.0 kW Flywheel E.P. Power net 431.0 kW Fuel Cons. at 100% (E.P.) 100.6 l/h Fuel Cons. at 100% (P.R.P) 90.5 l/h Fuel Cons. at 50% (P.R.P.) 68.2 l/h Fuel Cons. at 25% (P.R.P.) 25.1 l/h Fuel Cons. at 25% (P.R.P.) 36.0 l/h Fuel Cons. at 25% (P.R.P.) 25.1 l/h Fuel Cons. at 25% (P.R.P.) 36.0 l/h Fuel Cons. at 25% (P.R.P.) 25.1 l/h Fuel Cons. at 25% (P.R.P.) 36.0 l/h	ENGINE		
Engine model TAD1345GE Cylinders 6 RPM speed 1500 Cubic capacity 12.78 Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 Parameter BMEP 2500 kPa Cooling Water Provided Provi		VOI VO-PENTA	
Cylinders 6 RPM speed 1500 Cubic capacity 12.78 Air intake Turbocharged Standard voltage 24 Vdc Optional voltage 24 Vdc Sae 1-14			
RPM speed 1500 Cubic capacity 12.78 I Air intake Turbocharged Vdc Standard voltage 24 Vdc Optional voltage Vdc Vdc Sae 1-14 Embed Parameter BMEP 2500 kPa Cooling Water Wester Parameter Flywheel P.R.P. Power net 388.0 kW Flywheel E.P. Power net 431.0 kW Fuel Cons. at 100% (E.P.) 100.6 I/h Fuel Cons. at 100% (P.R.P) 90.5 I/h Fuel Cons. at 55% (P.R.P.) 68.2 I/h Fuel Cons. at 50% (P.R.P.) 25.1 I/h Fuel Cons. at 25% (P.R.P.) 25.1 I/h Flectronic regulator Standard Precision class G3 Oil quantity 36.0 I Engine Antifreeze capacity 0.0 I Radiator type TR Heat from radiator 445.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C <	3		
Cubic capacity 12.78 I Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Vdc Vdc Vdc Vdc Sae 1-14 BMEP 2500 kPa Read of the part of	,		
Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 Valor BMEP 2500 kPa Cooling Water Valor Flywheel P.R.P. Power net 388.0 kW Flywheel E.P. Power net 431.0 kW Fuel Cons. at 100% (E.P.) 100.6 l/h Fuel Cons. at 100% (P.R.P) 90.5 l/h Fuel Cons. at 75% (P.R.P.) 68.2 l/h Fuel Cons. at 25% (P.R.P.) 46.0 l/h Fuel Cons. at 25% (P.R.P.) 25.1 l/h Fuel Cons. at 25% (P.R.P.) 36.0 l Flectronic regulator Standard Valor Precision class G3 O Oil quantity 36.0 l Engine Antifreeze capacity 0.0 l Radiator type TR Heat from radiator 145.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0<			ı
Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 Valor BMEP 2500 kPa Cooling Water Valor Flywheel P.R.P. Power net 388.0 kW Flywheel E.P. Power net 431.0 kW Fuel Cons. at 100% (E.P.) 100.6 l/h Fuel Cons. at 100% (P.R.P.) 90.5 l/h Fuel Cons. at 75% (P.R.P.) 68.2 l/h Fuel Cons. at 50% (P.R.P.) 46.0 l/h Fuel Cons. at 25% (P.R.P.) 25.1 l/h Fuel Cons. at 25% (P.R.P.) 36.0 l Flectronic regulator Standard Precision class G3 O Oil quantity 36.0 l Engine Antifreeze capacity 0.0 l Radiator type TR Heat from radiator 145.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.			'
Optional voltage Vdc Sae 1-14 BMEP 2500 kPa Cooling Water Flywheel P.R.P. Power net 388.0 kW Flywheel E.P. Power net 431.0 kW Fuel Cons. at 100% (E.P.) 100.6 l/h Fuel Cons. at 75% (P.R.P.) 90.5 l/h Fuel Cons. at 50% (P.R.P.) 46.0 l/h Fuel Cons. at 25% (P.R.P.) 25.1 l/h Fuel Cons. at 25% (P.R.P.) 25.1 l/h Fuel Cons. at 25% (P.R.P.) 36.0 l Flectronic regulator Standard Precision class G3 OII quantity 36.0 l Fingine Antifreeze capacity 0.0 l R R Heat from radiator 145.0 kW R Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow		3	Vdc
Sae 1-14 BMEP 2500 kPa Cooling Water Flywheel P.R.P. Power net 388.0 kW Flywheel E.P. Power net 431.0 kW Fuel Cons. at 100% (E.P.) 100.6 l/h Fuel Cons. at 100% (P.R.P) 90.5 l/h Fuel Cons. at 75% (P.R.P.) 68.2 l/h Fuel Cons. at 50% (P.R.P.) 46.0 l/h Fuel Cons. at 25% (P.R.P.) 25.1 l/h Electronic regulator Standard Precision class G3 Oil quantity 36.0 I Engine Antifreeze capacity 0.0 I Radiator type TR Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	3	27	
BMEP 2500 kPa Cooling Water Water Flywheel P.R.P. Power net 388.0 kW Flywheel E.P. Power net 431.0 kW Fuel Cons. at 100% (E.P.) 100.6 l/h Fuel Cons. at 100% (P.R.P) 90.5 l/h Fuel Cons. at 75% (P.R.P.) 68.2 l/h Fuel Cons. at 50% (P.R.P.) 46.0 l/h Fuel Cons. at 25% (P.R.P.) 25.1 l/h Flectronic regulator Standard V Precision class G3 S Oil quantity 36.0 I Engine Antifreeze capacity 0.0 I Radiator type TR KW Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min		1-14	vac
Cooling Water Flywheel P.R.P. Power net 388.0 kW Flywheel E.P. Power net 431.0 kW Fuel Cons. at 100% (E.P.) 100.6 l/h Fuel Cons. at 100% (P.R.P) 90.5 l/h Fuel Cons. at 75% (P.R.P.) 68.2 l/h Fuel Cons. at 50% (P.R.P.) 46.0 l/h Fuel Cons. at 25% (P.R.P.) 25.1 l/h Electronic regulator Standard Precision class G3 Oil quantity 36.0 l Engine Antifreeze capacity 0.0 l Radiator type TR Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min			l√Pa
Flywheel P.R.P. Power net 388.0 kW Flywheel E.P. Power net 431.0 kW Fuel Cons. at 100% (E.P.) 100.6 l/h Fuel Cons. at 100% (P.R.P) 90.5 l/h Fuel Cons. at 75% (P.R.P.) 68.2 l/h Fuel Cons. at 50% (P.R.P.) 46.0 l/h Fuel Cons. at 25% (P.R.P.) 25.1 l/h Electronic regulator Standard Precision class G3 Oil quantity 36.0 l Engine Antifreeze capacity 0.0 l Radiator type TR Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min			KI U
Flywheel E.P. Power net 431.0 kW Fuel Cons. at 100% (E.P.) 100.6 l/h Fuel Cons. at 100% (P.R.P) 90.5 l/h Fuel Cons. at 75% (P.R.P.) 68.2 l/h Fuel Cons. at 50% (P.R.P.) 46.0 l/h Fuel Cons. at 25% (P.R.P.) 25.1 l/h Electronic regulator Standard Precision class G3 Oil quantity 36.0 l Engine Antifreeze capacity 0.0 l Radiator type TR Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	3		kW
Fuel Cons. at 100% (E.P.) 100.6 I/h Fuel Cons. at 100% (P.R.P) 90.5 I/h Fuel Cons. at 75% (P.R.P.) 68.2 I/h Fuel Cons. at 50% (P.R.P.) 46.0 I/h Fuel Cons. at 25% (P.R.P.) 25.1 I/h Electronic regulator Standard Precision class G3 Oil quantity 36.0 I Engine Antifreeze capacity 0.0 I I Radiator type TR T Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	•		
Fuel Cons. at 100% (P.R.P) 90.5 I/h Fuel Cons. at 75% (P.R.P.) 68.2 I/h Fuel Cons. at 50% (P.R.P.) 46.0 I/h Fuel Cons. at 25% (P.R.P.) 25.1 I/h Electronic regulator Standard Precision class G3 Oil quantity 36.0 I Engine Antifreeze capacity 0.0 I Radiator type TR Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	•		
Fuel Cons. at 75% (P.R.P.) 68.2 I/h Fuel Cons. at 50% (P.R.P.) 46.0 I/h Fuel Cons. at 25% (P.R.P.) 25.1 I/h Electronic regulator Standard Precision class G3 Oil quantity 36.0 I Engine Antifreeze capacity 0.0 I Radiator type TR Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	, ,	90.5	l/h
Fuel Cons. at 50% (P.R.P.) 46.0 I/h Fuel Cons. at 25% (P.R.P.) 25.1 I/h Electronic regulator Standard Precision class G3 Oil quantity 36.0 I Engine Antifreeze capacity 0.0 I Radiator type TR TR Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	. ,		,
Electronic regulator Standard Precision class G3 Oil quantity 36.0 I Engine Antifreeze capacity 0.0 I Radiator type TR T Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min			l/h
Precision class G3 Oil quantity 36.0 I Engine Antifreeze capacity 0.0 I Radiator type TR TR Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	Fuel Cons. at 25% (P.R.P.)	25.1	l/h
Oil quantity 36.0 I Engine Antifreeze capacity 0.0 I Radiator type TR Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	Electronic regulator	Standard	
Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Exhaust temperature TR 145.0 kW Exhaust temperature TR Heat from radiator 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	Precision class	G3	
Radiator type TR Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	Oil quantity	36.0	I
Heat from radiator 145.0 kW Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	Engine Antifreeze capacity	0.0	1
Heat from exhaust 268.0 kW Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	Radiator type	TR	
Heat from radiation 15.0 kW Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	Heat from radiator	145.0	kW
Exhaust temperature 475 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	Heat from exhaust	268.0	kW
Portata Raffreddamento 0.0 m³/min Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	Heat from radiation	15.0	kW
Combustion air flow 26.8 m³/min Exhaust gas flow 0.0 m³/min	Exhaust temperature	475	°C
Exhaust gas flow 0.0 m³/min	Portata Raffreddamento	0.0	m³/min
	Combustion air flow	26.8	m³/min
TA Luft N	Exhaust gas flow	0.0	m³/min
	TA Luft	N	
TA Luft/2 N	TA Luft/2	N	
EPA N	EPA	N	
Stage 2	Stage	2	

MAIN DATA		
Continuous power (PRP)	430.00	kVA
Continuous power (PRP)	344.00	kW
Emergency power (E.P.)	475.00	kVA
Emergency power (E.P.)	380.00	kW
VAC - HZ - cos(fi)	380 - 50 - 0.8	
Sound pressure 7 m.	70.0	dBA

DIMENSIONS AND WEIGHT		
Width	1600	mm
Length	4310	mm
Height	2560	mm
Weight	4770	kg

ALTERNATOR			
Description	STAMFORD		
Alternator model	S4L1D-G		
P.R.P. Power	430.0	kVA	
E.P. Power	475.0	kVA	
Connection	Series star		
Phases	3FN		
Winding	311		
Terminal Number	12	nr.	
IP Protection	23		
Electronic regulator	AS440		
Precision	1.0	± %	

BASEFRAME	
Model	GV151/00/00
Standard tank	800 I
Optional tank	0 1
Oversized tank*	1800 I

CANOPY & SILENCER	
Canopy model	GV151
Silencer model	MSR/a 125
Silencer outlet diameter	140.0 mm

Standard reference conditions temperature 25°C, altitude 100m asl, relative humidity 30%, atmospheric pressure 100 kPa (1 bar), power factor 0.8 lag, balanced load - non distortional. Fuel consumption is nominal and refers to specific weight 0.850kg/l. Sound power values refer to free field conditions: the installation site may influence the values. Dimensions, weights and other specifications contained in the technical data sheet and related attachments are nominal, subject to tolerances and refer to the model with standard equipment; any optional and additional equipment/accessories can modify weight, dimensions, performance. P.R.P. Prime Power-Continuous power at variable load: The power that a genset can supply in continuous service at a variable load for an unlimited number of hours per year while respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer. according to ISO8528-1. The average power supplied over time and any applicable overload must be less than the percentages stated by the Manufacturer. E.P. - Emergency power: This is the maximum power that a generating set can deliver for a limited number of hours per year while complying with the maintenance frequency stipulated under the environmental conditions set by the Manufacturer. The number of hours per year is determined by the engine manufacturer. The average power output over time must be lower than the percentages set by the engine manufacturer. Overloading is not allowed.

The data contained in this document is nominal and refers to the standard equipped model and is not binding. Visa S.p.A. reserves the right to revise the information without notice per our policy of continuous product development and improvement.