TECHNICAL DATASHEET V 350 GX



ENGINEDescription

Exhaust gas flow

TA Luft

EPA

Stage

TA Luft/2

V 350 GX





GALAXY "GX"



VOLVO-PENTA

Engine model TAD1342GE-B Cylinders 6 RPM speed 1800 Cubic capacity 12.78 Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 BMEP 1900 kPa Cooling Water Flywheel P.R.P. Power net 345.0 kW Flywheel E.P. Power net 377.0 kW Fuel Cons. at 100% (E.P.) 90.2 l/h Fuel Cons. at 100% (P.R.P) 82.6 l/h Fuel Cons. at 55% (P.R.P.) 61.6 l/h Fuel Cons. at 25% (P.R.P.) 24.3 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 159.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0			
RPM speed 1800 Cubic capacity 12.78 I Air intake Turbocharged Standard voltage 24 Vdc Standard voltage Vdc Vdc Vdc Vdc Vdc Vdc Vdc Sae 1-14 RMEP Vdc	Engine model	TAD1342GE-B	
Cubic capacity 12.78 I Air intake Turbocharged Vdc Standard voltage 24 Vdc Optional voltage Vdc Vdc Sae 1-14 Pman Pman BMEP 1900 kPa Cooling Water Pman Pman Pman Flywheel P.R.P. Power net 345.0 kW Pman Pm	Cylinders	6	
Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 BMEP 1900 kPa Cooling Water Flywheel P.R.P. Power net 345.0 kW Flywheel E.P. Power net 377.0 kW Fuel Cons. at 100% (E.P.) 90.2 l/h Fuel Cons. at 100% (P.R.P) 82.6 l/h Fuel Cons. at 75% (P.R.P.) 61.6 l/h Fuel Cons. at 50% (P.R.P.) 42.5 l/h Fuel Cons. at 25% (P.R.P.) 24.3 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 159.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	RPM speed	1800	
Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 BMEP 1900 kPa Cooling Water Flywheel P.R.P. Power net 345.0 kW Flywheel E.P. Power net 377.0 kW Fuel Cons. at 100% (E.P.) 90.2 l/h Fuel Cons. at 100% (P.R.P) 82.6 l/h Fuel Cons. at 75% (P.R.P.) 61.6 l/h Fuel Cons. at 50% (P.R.P.) 42.5 l/h Fuel Cons. at 25% (P.R.P.) 24.3 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 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Cubic capacity	12.78	I
Optional voltage Vdc Sae 1-14 BMEP 1900 kPa Cooling Water Flywheel P.R.P. Power net 345.0 kW Flywheel E.P. Power net 377.0 kW Fuel Cons. at 100% (E.P.) 90.2 l/h Fuel Cons. at 100% (P.R.P) 82.6 l/h Fuel Cons. at 75% (P.R.P.) 61.6 l/h Fuel Cons. at 50% (P.R.P.) 42.5 l/h Fuel Cons. at 25% (P.R.P.) 24.3 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 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Air intake	Turbocharged	
Sae 1-14 BMEP 1900 kPa Cooling Water Flywheel P.R.P. Power net 345.0 kW Flywheel E.P. Power net 377.0 kW Fuel Cons. at 100% (E.P.) 90.2 l/h Fuel Cons. at 100% (P.R.P) 82.6 l/h Fuel Cons. at 75% (P.R.P.) 61.6 l/h Fuel Cons. at 50% (P.R.P.) 42.5 l/h Fuel Cons. at 25% (P.R.P.) 24.3 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 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Standard voltage	24	Vdc
BMEP 1900 kPa Cooling Water Flywheel P.R.P. Power net 345.0 kW Flywheel E.P. Power net 377.0 kW Fuel Cons. at 100% (E.P.) 90.2 l/h Fuel Cons. at 100% (P.R.P) 82.6 l/h Fuel Cons. at 75% (P.R.P.) 61.6 l/h Fuel Cons. at 50% (P.R.P.) 42.5 l/h Fuel Cons. at 25% (P.R.P.) 24.3 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 159.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Optional voltage		Vdc
Cooling Water Flywheel P.R.P. Power net 345.0 kW Flywheel E.P. Power net 377.0 kW Fuel Cons. at 100% (E.P.) 90.2 l/h Fuel Cons. at 100% (P.R.P) 82.6 l/h Fuel Cons. at 75% (P.R.P.) 61.6 l/h Fuel Cons. at 50% (P.R.P.) 42.5 l/h Fuel Cons. at 25% (P.R.P.) 24.3 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 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Sae	1-14	
Flywheel P.R.P. Power net 345.0 kW Flywheel E.P. Power net 377.0 kW Fuel Cons. at 100% (E.P.) 90.2 l/h Fuel Cons. at 100% (P.R.P) 82.6 l/h Fuel Cons. at 75% (P.R.P.) 61.6 l/h Fuel Cons. at 50% (P.R.P.) 42.5 l/h Fuel Cons. at 25% (P.R.P.) 24.3 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 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	BMEP	1900	kPa
Flywheel E.P. Power net 377.0 kW Fuel Cons. at 100% (E.P.) 90.2 l/h Fuel Cons. at 100% (P.R.P) 82.6 l/h Fuel Cons. at 75% (P.R.P.) 61.6 l/h Fuel Cons. at 50% (P.R.P.) 42.5 l/h Fuel Cons. at 25% (P.R.P.) 24.3 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 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Cooling	Water	
Fuel Cons. at 100% (E.P.) 90.2 I/h Fuel Cons. at 100% (P.R.P) 82.6 I/h Fuel Cons. at 75% (P.R.P.) 61.6 I/h Fuel Cons. at 50% (P.R.P.) 42.5 I/h Fuel Cons. at 25% (P.R.P.) 24.3 I/h Electronic regulator Standard Precision class G3 Oil quantity 36.0 I Engine Antifreeze capacity 0.0 I Radiator type TR I Heat from radiator 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Flywheel P.R.P. Power net	345.0	kW
Fuel Cons. at 100% (P.R.P) 82.6 I/h Fuel Cons. at 75% (P.R.P.) 61.6 I/h Fuel Cons. at 50% (P.R.P.) 42.5 I/h Fuel Cons. at 25% (P.R.P.) 24.3 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 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Flywheel E.P. Power net	377.0	kW
Fuel Cons. at 75% (P.R.P.) 61.6 I/h Fuel Cons. at 50% (P.R.P.) 42.5 I/h Fuel Cons. at 25% (P.R.P.) 24.3 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 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Fuel Cons. at 100% (E.P.)	90.2	l/h
Fuel Cons. at 50% (P.R.P.) 42.5 l/h Fuel Cons. at 25% (P.R.P.) 24.3 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 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Fuel Cons. at 100% (P.R.P)	82.6	l/h
Fuel Cons. at 25% (P.R.P.) Electronic regulator Precision class Oil quantity Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Heat from radiation Exhaust temperature Portata Raffreddamento 24.3 I/h Standard TR Fortata Raffreddamento Assuming 15 of 10 o	Fuel Cons. at 75% (P.R.P.)	61.6	l/h
Electronic regulatorStandardPrecision classG3Oil quantity36.0 IEngine Antifreeze capacity0.0 IRadiator typeTRHeat from radiator159.0 kWHeat from exhaust253.0 kWHeat from radiation0.0 kWExhaust temperature432 °CPortata Raffreddamento0.0 m³/min	Fuel Cons. at 50% (P.R.P.)	42.5	l/h
Precision class G3 Oil quantity 36.0 Engine Antifreeze capacity 0.0 Radiator type TR Heat from radiator 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Fuel Cons. at 25% (P.R.P.)	24.3	l/h
Oil quantity 36.0 Engine Antifreeze capacity 0.0 Radiator type TR Heat from radiator 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Electronic regulator	Standard	
Engine Antifreeze capacity Radiator type TR Heat from radiator Heat from exhaust Heat from radiation Columbia Exhaust temperature Portata Raffreddamento 1.59.0 kW 253.0 kW 432 °C 83 °C 84 °C 96 °C	Precision class	G3	
Radiator type TR Heat from radiator 159.0 kW Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Oil quantity	36.0	I
Heat from radiator159.0 kWHeat from exhaust253.0 kWHeat from radiation0.0 kWExhaust temperature432 °CPortata Raffreddamento0.0 m³/min	Engine Antifreeze capacity	0.0	1
Heat from exhaust 253.0 kW Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Radiator type	TR	
Heat from radiation 0.0 kW Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Heat from radiator	159.0	kW
Exhaust temperature 432 °C Portata Raffreddamento 0.0 m³/min	Heat from exhaust	253.0	kW
Portata Raffreddamento 0.0 m³/min	Heat from radiation	0.0	kW
	Exhaust temperature	432	°C
Combustion air flow 28.7 m³/min	Portata Raffreddamento	0.0	m³/min
	Combustion air flow	28.7	m³/min

MAIN DATA		
Continuous power (PRP)	401.00	kVA
Continuous power (PRP)	320.80	kW
Emergency power (E.P.)	438.00	kVA
Emergency power (E.P.)	350.40	kW
VAC - HZ - cos(fi)	480 - 60 - 0.8	
Sound pressure 7 m.	72.0	dBA

DIMENSIONS AND WEIGHT		
Width	1600	mm
Length	4310	mm
Height	2560	mm
Weight	4780	kg

ALTERNATOR			
Description	STAMFORD		
Alternator model	S4L1D-E		
P.R.P. Power	455.0	kVA	
E.P. Power	490.0	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.

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