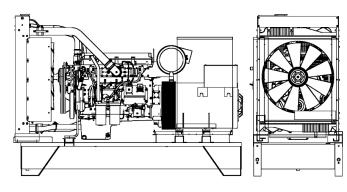


650 B





POWERFULL "B"



EPA

Stage

Description VOLVO-PENTA Engine model TWD1644GE Cylinders 6 RPM speed 1800 Cubic capacity 16.12 Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 BMEP 2550 kPa Cooling Water Flywheel P.R.P. Power net 640.0 kW Flywheel E.P. Power net 640.0 kW Fuel Cons. at 100% (E.P.) 158.9 I/h I/h Fuel Cons. at 100% (P.R.P.) 145.9 I/h I/h Fuel Cons. at 75% (P.R.P.) 109.5 I/h I/h Fuel Cons. at 25% (P.R.P.) 74.8 I/h I/h	For illustrative purposes only		
Engine model Cylinders RPM speed RPM speed Cubic capacity Air intake Standard voltage Standard voltage Sae 1-14 BMEP Cooling Water Flywheel P.R.P. Power net Flywheel E.P. Power net Flywheel E.P. Power net Fuel Cons. at 100% (E.P.) Fuel Cons. at 75% (P.R.P.) Fuel Cons. at 25% (P.R.P.) Fuel Cons. at 100% (P.	ENGINE		
Cylinders 6 RPM speed 1800 Cubic capacity 16.12 Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 BMEP 2550 kPa Cooling Water Flywheel P.R.P. Power net 582.0 kW Flywheel E.P. Power net 640.0 kW Fuel Cons. at 100% (E.P.) 158.9 l/h Fuel Cons. at 100% (P.R.P) 145.9 l/h Fuel Cons. at 75% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 43.1 l/h Fuel Cons. at 25% (P.R.P.) 43.1 l/h Fuel Cons. at 25% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.	Description	VOLVO-PENTA	
RPM speed 1800 Cubic capacity 16.12 I Air intake Turbocharged Vdc Standard voltage 24 Vdc Optional voltage Vdc Vdc Sae 1-14 BMEP 2550 kPa Cooling Water FURLY Wester FURLY FURLY FURLY KW FURLY FURLY <td>Engine model</td> <td>TWD1644GE</td> <td></td>	Engine model	TWD1644GE	
Cubic capacity 16.12 I Air intake Turbocharged Vdc Standard voltage Vdc Optional voltage Vdc Sae 1-14 I BMEP 2550 kPa Cooling Water I Flywheel P.R.P. Power net 582.0 kW Flywheel E.P. Power net 640.0 kW Fuel Cons. at 100% (E.P.) 158.9 I/h Fuel Cons. at 100% (P.R.P.) 145.9 I/h Fuel Cons. at 75% (P.R.P.) 109.5 I/h Fuel Cons. at 25% (P.R.P.) 43.1 I/h Fuel Cons. at 25% (P.R.P.) 43.1 I/h Electronic regulator Standard I Precision class G3 I Oil quantity 48.0 I Engine Antifreeze capacity 25.0 I Radiator type TR I Heat from radiator 393.0 kW Heat from radiation 24.0 kW Exhaust temperature<	Cylinders	6	
Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 BMEP 2550 kPa Cooling Water Flywheel P.R.P. Power net 582.0 kW Flywheel E.P. Power net 640.0 kW Fuel Cons. at 100% (E.P.) 158.9 l/h Fuel Cons. at 100% (P.R.P) 145.9 l/h Fuel Cons. at 75% (P.R.P.) 109.5 l/h Fuel Cons. at 50% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 74.8 l/h Fuel Cons. at 30% (P.R.P.) 74.8 l/h Fuel Cons. at 30% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 74.8 l/	RPM speed	1800	
Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14 Vdc BMEP 2550 kPa Cooling Water Flywheel P.R.P. Power net 582.0 kW Flywheel E.P. Power net 640.0 kW Fuel Cons. at 100% (E.P.) 158.9 l/h Fuel Cons. at 100% (P.R.P) 145.9 l/h Fuel Cons. at 50% (P.R.P.) 109.5 l/h Fuel Cons. at 50% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 43.1 l/h Electronic regulator Standard Precision class G3 Oil quantity 48.0 l Engine Antifreeze capacity 25.0 l l Radiator type TR Heat from radiator 393.0 kW Heat from radiation 24.0 kW Exhaust temperature 495.0 kW Exhaust temperature 495.0 kW Portata Raffreddamento 738.0 m³/min	Cubic capacity	16.12	I
Optional voltage Vdc Sae 1-14 BMEP 2550 kPa Cooling Water Flywheel P.R.P. Power net 582.0 kW Flywheel E.P. Power net 640.0 kW Fuel Cons. at 100% (E.P.) 158.9 l/h Fuel Cons. at 100% (P.R.P) 145.9 l/h Fuel Cons. at 75% (P.R.P.) 109.5 l/h Fuel Cons. at 50% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 43.1 l/h Electronic regulator Standard Precision class G3 Oil quantity 48.0 l Engine Antifreeze capacity 25.0 l Radiator type TR Heat from radiator 393.0 kW Heat from radiation 24.0 kW Heat from radiation 24.0 kW Exhaust temperature 495.0 c Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min TA Luft	Air intake	Turbocharged	
Sae 1-14 BMEP 2550 kPa Cooling Water Flywheel P.R.P. Power net 582.0 kW Flywheel E.P. Power net 640.0 kW Fuel Cons. at 100% (E.P.) 158.9 l/h Fuel Cons. at 100% (P.R.P) 145.9 l/h Fuel Cons. at 75% (P.R.P.) 109.5 l/h Fuel Cons. at 50% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 43.1 l/h Electronic regulator Standard Precision class G3 Oil quantity 48.0 l Engine Antifreeze capacity 25.0 l Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Heat from radiation 24.0 kW Exhaust temperature 495.0 c Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Standard voltage	24	Vdc
BMEP 2550 kPa Cooling Water Flywheel P.R.P. Power net 582.0 kW Flywheel E.P. Power net 640.0 kW Fuel Cons. at 100% (E.P.) 158.9 l/h Fuel Cons. at 100% (P.R.P.) 145.9 l/h Fuel Cons. at 75% (P.R.P.) 109.5 l/h Fuel Cons. at 50% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 43.1 l/h Electronic regulator Standard Precision class G3 G Oil quantity 48.0 l Engine Antifreeze capacity 25.0 l Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Heat from radiation 24.0 kW Exhaust temperature 495.0 C Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Optional voltage		Vdc
Cooling Water Flywheel P.R.P. Power net 582.0 kW Flywheel E.P. Power net 640.0 kW Fuel Cons. at 100% (E.P.) 158.9 l/h Fuel Cons. at 100% (P.R.P) 145.9 l/h Fuel Cons. at 75% (P.R.P.) 109.5 l/h Fuel Cons. at 50% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 43.1 l/h Electronic regulator Standard Precision class G3 Oil quantity 48.0 l Engine Antifreeze capacity 25.0 l Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Exhaust temperature 495.0 kW Exhaust temperature 495.0 c Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Sae	1-14	
Flywheel P.R.P. Power net 582.0 kW Flywheel E.P. Power net 640.0 kW Fuel Cons. at 100% (E.P.) 158.9 l/h Fuel Cons. at 75% (P.R.P.) 145.9 l/h Fuel Cons. at 50% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 43.1 l/h Fuel Cons. at 25% (P.R.P.) 43.1 l/h Electronic regulator Standard Precision class G3 Oil quantity 48.0 l Engine Antifreeze capacity 25.0 l Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Heat from radiation 24.0 kW Exhaust temperature 495 °C Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	ВМЕР	2550	kPa
Flywheel E.P. Power net 640.0 kW Fuel Cons. at 100% (E.P.) 158.9 l/h Fuel Cons. at 100% (P.R.P) 145.9 l/h Fuel Cons. at 75% (P.R.P.) 109.5 l/h Fuel Cons. at 50% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 43.1 l/h Fuel Cons. at 25% (P.R.P.) 43.1 l/h Electronic regulator Standard Precision class G3 Oil quantity 48.0 l Engine Antifreeze capacity 25.0 l Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Heat from radiation 24.0 kW Exhaust temperature 495 °C Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Cooling	Water	
Fuel Cons. at 100% (E.P.) 158.9 l/h Fuel Cons. at 100% (P.R.P) 145.9 l/h Fuel Cons. at 75% (P.R.P.) 109.5 l/h Fuel Cons. at 50% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 43.1 l/h Electronic regulator Standard Precision class G3 Oil quantity 48.0 l Engine Antifreeze capacity 25.0 l Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Exhaust temperature 495.0 c Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Flywheel P.R.P. Power net	582.0	kW
Fuel Cons. at 100% (P.R.P) 145.9 I/h Fuel Cons. at 75% (P.R.P.) 109.5 I/h Fuel Cons. at 50% (P.R.P.) 74.8 I/h Fuel Cons. at 25% (P.R.P.) 43.1 I/h Electronic regulator Standard Precision class G3 Oil quantity 48.0 I Engine Antifreeze capacity 25.0 I Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Heat from radiation 24.0 kW Exhaust temperature 495.0 c Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Flywheel E.P. Power net	640.0	kW
Fuel Cons. at 75% (P.R.P.) 109.5 I/h Fuel Cons. at 50% (P.R.P.) 74.8 I/h Fuel Cons. at 25% (P.R.P.) 43.1 I/h Electronic regulator Standard Precision class G3 Oil quantity 48.0 I Engine Antifreeze capacity 25.0 I Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Heat from radiation 24.0 kW Exhaust temperature 495 °C Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Fuel Cons. at 100% (E.P.)	158.9	l/h
Fuel Cons. at 50% (P.R.P.) 74.8 l/h Fuel Cons. at 25% (P.R.P.) 43.1 l/h Electronic regulator Standard Precision class G3 Oil quantity 48.0 l Engine Antifreeze capacity 25.0 l Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Exhaust temperature 495.0 c Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Fuel Cons. at 100% (P.R.P)	145.9	l/h
Fuel Cons. at 25% (P.R.P.) 43.1 l/h Electronic regulator Standard Precision class G3 Oil quantity 48.0 l Engine Antifreeze capacity 25.0 l Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Heat from radiation 24.0 kW Exhaust temperature 495 °C Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Fuel Cons. at 75% (P.R.P.)	109.5	l/h
Electronic regulator Standard Precision class G3 Oil quantity 48.0 Engine Antifreeze capacity 25.0 Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Heat from radiation 24.0 kW Exhaust temperature 495 °C Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Fuel Cons. at 50% (P.R.P.)	74.8	l/h
Precision class G3 Oil quantity 48.0 Engine Antifreeze capacity 25.0 Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Heat from radiation 24.0 kW Exhaust temperature 495 °C Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Fuel Cons. at 25% (P.R.P.)	43.1	l/h
Oil quantity 48.0 Engine Antifreeze capacity 25.0 Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Heat from radiation 24.0 kW Exhaust temperature 495 °C Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Electronic regulator	Standard	
Engine Antifreeze capacity 25.0 I Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Heat from radiation 24.0 kW Exhaust temperature 495 °C Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Precision class	G3	
Radiator type TR Heat from radiator 393.0 kW Heat from exhaust 495.0 kW Heat from radiation 24.0 kW Exhaust temperature 495 °C Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Oil quantity	48.0	I
Heat from radiator Heat from exhaust Heat from exhaust Heat from radiation Z4.0 kW Exhaust temperature Portata Raffreddamento Combustion air flow Exhaust gas flow TA Luft 393.0 kW 495.0 kW 495.0 c 738.0 m³/min 738.0 m³/min 114.5 m³/min	Engine Antifreeze capacity	25.0	1
Heat from exhaust 495.0 kW Heat from radiation 24.0 kW Exhaust temperature 495 °C Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Radiator type	TR	
Heat from radiation 24.0 kW Exhaust temperature 495 °C Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Heat from radiator	393.0	kW
Exhaust temperature 495 °C Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Heat from exhaust	495.0	kW
Portata Raffreddamento 738.0 m³/min Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Heat from radiation	24.0	kW
Combustion air flow 46.7 m³/min Exhaust gas flow 114.5 m³/min TA Luft N	Exhaust temperature	495	°C
Exhaust gas flow 114.5 m³/min TA Luft N	Portata Raffreddamento	738.0	m³/min
TA Luft N	Combustion air flow	46.7	m³/min
	Exhaust gas flow	114.5	m³/min
TA Luft/2	TA Luft	N	
	TA Luft/2	N	

MAIN DATA	
Continuous power (PRP)	685.00 kVA
Continuous power (PRP)	548.00 kW
Emergency power (E.P.)	750.00 kVA
Emergency power (E.P.)	600.00 kW
VAC - HZ - cos(fi)	208 - 60 - 0.8

DIMENSIONS AND WEIGH	IT
Width	1350 mm
Length	3530 mm
Height	2300 mm
Weight	4550 kg

ALTERNATOR	
Description	STAMFORD
Alternator model	HCI5F
P.R.P. Power	738.0 kVA
E.P. Power	806.0 kVA
Connection	Parallel star
Phases	3FN
Winding	311
Terminal Number	12 nr.
IP Protection	23
Electronic regulator	AS440
Precision	1.0 ± %

BASEFRAME	
Model	T3
Standard tank	900 I
Optional tank	0 1
Oversized tank*	0 1

CANOPY & SILENCER		
Canopy model	SENZA COFANO	
Silencer model	MS 35	
Silencer outlet diameter	168.0	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 obsorbinal. The Consumption is nonlinear and release to Specific Weight 0,50kg/i. Southern 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: 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.

Ν

Ν