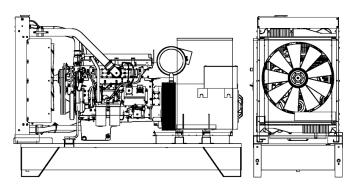


## V 505 B





## **POWERFULL "B"**



ENGINE           Description         VOLVO-PENTA           Engine model         TAD1641GE-B           Cylinders         6           RPM speed         1800           Cubic capacity         16.12           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         Valous           BMEP         2100         kPa           Cooling         Water         Valous           Flywheel P.R.P. Power net         485.0         kW           Flywheel E.P. Power net         546.0         kW           Fuel Cons. at 100% (E.P.)         133.0         l/h           Fuel Cons. at 50% (P.R.P.)         85.0         l/h           Fuel Cons. at 55% (P.R.P.)         85.0         l/h           Fuel Cons. at 25% (P.R.P.)         58.0         l/h           Fuel Cons. at 25% (P.R.P.)         33.0         l/h           Fuel Cons. at 25% (P.R.P.)         32.0	For illustrative purposes only		
Engine model         TAD1641GE-B           Cylinders         6           RPM speed         1800           Cubic capacity         16.12           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         BMEP         2100         kPa           Cooling         Water         Flywheel P.R.P. Power net         485.0         kW           Flywheel E.P. Power net         546.0         kW           Fuel Cons. at 100% (E.P.)         133.0         l/h           Fuel Cons. at 100% (P.R.P)         115.0         l/h           Fuel Cons. at 50% (P.R.P.)         85.0         l/h           Fuel Cons. at 25% (P.R.P.)         33.0         l/h           Fuel Cons. at 75% (P.R.P.)         33.0         l/h           Fuel Cons. at 75% (P.R.P.)         35.0<	ENGINE		
Cylinders         6           RPM speed         1800           Cubic capacity         16.12           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         BMEP         2100         kPa           Cooling         Water         Flywheel P.R.P. Power net         485.0         kW           Flywheel E.P. Power net         546.0         kW           Fuel Cons. at 100% (E.P.)         133.0         l/h           Fuel Cons. at 100% (P.R.P)         115.0         l/h           Fuel Cons. at 55% (P.R.P.)         85.0         l/h           Fuel Cons. at 25% (P.R.P.)         33.0         l/h           Fuel Cons. at 75% (P.R.P.)         33.0         l/h           Fuel Cons. at 75% (P.R.P.)         35.0         l/h           Fuel Cons. at 75% (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         2100         kPa           Cooling         Water         Flywheel P.R.P. Power net         485.0         kW         Flywheel E.P. Power net         546.0         kW         Fuel Cons. at 100% (E.P.)         133.0         I/h         Fuel Cons. at 100% (P.R.P)         115.0         I/h         I/h         Fuel Cons. at 55% (P.R.P.)         85.0         I/h         I/h         Fuel Cons. at 50% (P.R.P.)         58.0         I/h         I/h         Fuel Cons. at 25% (P.R.P.)         33.0         I/h         I/h         Fuel Cons. at 25% (P.R.P.)         33.0	Engine model	TAD1641GE-B	
Cubic capacity         16.12         I           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         BMEP         2100         kPa           Cooling         Water         Flywheel P.R.P. Power net         485.0         kW           Flywheel E.P. Power net         546.0         kW           Fuel Cons. at 100% (E.P.)         133.0         I/h           Fuel Cons. at 50% (P.R.P.)         85.0         I/h           Fuel Cons. at 55% (P.R.P.)         38.0         I/h           Fuel Cons. at 25% (P.R.P.)         33.0         I/h           Fuel Cons. at 25% (P.R.P.)         33.0         I/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0         I           Engine Antifreeze capacity         33.0         I           Radiator type         TR         Heat from radiator         32.0         kW           Heat from radiation         185.0         kW           Exhaust temperature         435         °C           Portata Raffreddamento         707.0         m³/min	Cylinders	6	
Air intake         Turbocharged           Standard voltage         24 Vdc           Optional voltage         Vdc           Sae         1-14           BMEP         2100 kPa           Cooling         Water           Flywheel P.R.P. Power net         485.0 kW           Flywheel E.P. Power net         546.0 kW           Fuel Cons. at 100% (E.P.)         133.0 l/h           Fuel Cons. at 100% (P.R.P)         115.0 l/h           Fuel Cons. at 75% (P.R.P.)         85.0 l/h           Fuel Cons. at 50% (P.R.P.)         58.0 l/h           Fuel Cons. at 25% (P.R.P.)         33.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0 l           Engine Antifreeze capacity         33.0 l           Radiator type         TR           Heat from radiator         32.0 kW           Heat from radiation         185.0 kW           Exhaust temperature         435 °C           Portata Raffreddamento         707.0 m³/min           Combustion air flow         42.0 m³/min           Exhaust gas flow         79.0 m³/min	RPM speed	1800	
Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         BMEP         2100         kPa           Cooling         Water         Flywheel P.R.P. Power net         485.0         kW           Flywheel E.P. Power net         546.0         kW           Fuel Cons. at 100% (E.P.)         133.0         l/h           Fuel Cons. at 100% (P.R.P)         115.0         l/h           Fuel Cons. at 50% (P.R.P.)         85.0         l/h           Fuel Cons. at 25% (P.R.P.)         33.0         l/h           Fuel Cons. at 25% (P.R.P.)         33.0         l/h           Flectronic regulator         Standard           Precision class         G3         G3           Oil quantity         48.0         I           Engine Antifreeze capacity         33.0         I           Radiator type         TR         Heat from radiator         32.0         kW           Heat from exhaust         373.0         kW           Heat from radiation         185.0         kW           Exhaust temperature         435         °C           Portata Raffreddamento         707.0         m³/min           Exhaust gas flow	Cubic capacity	16.12	I
Optional voltage         Vdc           Sae         1-14           BMEP         2100 kPa           Cooling         Water           Flywheel P.R.P. Power net         485.0 kW           Flywheel E.P. Power net         546.0 kW           Fuel Cons. at 100% (E.P.)         133.0 l/h           Fuel Cons. at 100% (P.R.P)         115.0 l/h           Fuel Cons. at 75% (P.R.P.)         85.0 l/h           Fuel Cons. at 25% (P.R.P.)         33.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0 l           Engine Antifreeze capacity         33.0 l           Radiator type         TR           Heat from radiator         32.0 kW           Heat from exhaust         373.0 kW           Heat from radiation         185.0 kW           Exhaust temperature         435 °C           Portata Raffreddamento         707.0 m³/min           Combustion air flow         42.0 m³/min           Exhaust gas flow         79.0 m³/min           TA Luft         N	Air intake	Turbocharged	
Sae         1-14           BMEP         2100 kPa           Cooling         Water           Flywheel P.R.P. Power net         485.0 kW           Flywheel E.P. Power net         546.0 kW           Fuel Cons. at 100% (E.P.)         133.0 l/h           Fuel Cons. at 100% (P.R.P)         115.0 l/h           Fuel Cons. at 75% (P.R.P.)         85.0 l/h           Fuel Cons. at 50% (P.R.P.)         58.0 l/h           Fuel Cons. at 25% (P.R.P.)         33.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0 l           Engine Antifreeze capacity         33.0 l           Radiator type         TR           Heat from radiator         32.0 kW           Heat from exhaust         373.0 kW           Heat from radiation         185.0 kW           Exhaust temperature         435 °C           Portata Raffreddamento         707.0 m³/min           Combustion air flow         42.0 m³/min           Exhaust gas flow         79.0 m³/min           TA Luft         N	Standard voltage	24	Vdc
BMEP         2100 kPa           Cooling         Water           Flywheel P.R.P. Power net         485.0 kW           Flywheel E.P. Power net         546.0 kW           Fuel Cons. at 100% (E.P.)         133.0 l/h           Fuel Cons. at 100% (P.R.P)         115.0 l/h           Fuel Cons. at 75% (P.R.P.)         85.0 l/h           Fuel Cons. at 50% (P.R.P.)         58.0 l/h           Fuel Cons. at 25% (P.R.P.)         33.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0 l           Engine Antifreeze capacity         33.0 l           Radiator type         TR           Heat from radiator         32.0 kW           Heat from exhaust         373.0 kW           Heat from radiation         185.0 kW           Exhaust temperature         435 °C           Portata Raffreddamento         707.0 m³/min           Combustion air flow         42.0 m³/min           Exhaust gas flow         79.0 m³/min           TA Luft         N	Optional voltage		Vdc
Cooling         Water           Flywheel P.R.P. Power net         485.0 kW           Flywheel E.P. Power net         546.0 kW           Fuel Cons. at 100% (E.P.)         133.0 l/h           Fuel Cons. at 100% (P.R.P)         115.0 l/h           Fuel Cons. at 75% (P.R.P.)         85.0 l/h           Fuel Cons. at 50% (P.R.P.)         58.0 l/h           Fuel Cons. at 25% (P.R.P.)         33.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0 l           Engine Antifreeze capacity         33.0 l           Radiator type         TR           Heat from radiator         32.0 kW           Heat from exhaust         373.0 kW           Heat from radiation         185.0 kW           Exhaust temperature         435 °C           Portata Raffreddamento         707.0 m³/min           Combustion air flow         42.0 m³/min           Exhaust gas flow         79.0 m³/min           TA Luft         N	Sae	1-14	
Flywheel P.R.P. Power net         485.0 kW           Flywheel E.P. Power net         546.0 kW           Fuel Cons. at 100% (E.P.)         133.0 l/h           Fuel Cons. at 100% (P.R.P)         115.0 l/h           Fuel Cons. at 75% (P.R.P.)         85.0 l/h           Fuel Cons. at 50% (P.R.P.)         58.0 l/h           Fuel Cons. at 25% (P.R.P.)         33.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0 l           Engine Antifreeze capacity         33.0 l           Radiator type         TR           Heat from radiator         32.0 kW           Heat from exhaust         373.0 kW           Heat from radiation         185.0 kW           Exhaust temperature         435 °C           Portata Raffreddamento         707.0 m³/min           Combustion air flow         42.0 m³/min           Exhaust gas flow         79.0 m³/min           TA Luft         N	ВМЕР	2100	kPa
Flywheel E.P. Power net         546.0 kW           Fuel Cons. at 100% (E.P.)         133.0 l/h           Fuel Cons. at 100% (P.R.P)         115.0 l/h           Fuel Cons. at 75% (P.R.P.)         85.0 l/h           Fuel Cons. at 50% (P.R.P.)         58.0 l/h           Fuel Cons. at 25% (P.R.P.)         33.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0 l           Engine Antifreeze capacity         33.0 l           Radiator type         TR           Heat from radiator         32.0 kW           Heat from exhaust         373.0 kW           Heat from radiation         185.0 kW           Exhaust temperature         435 °C           Portata Raffreddamento         707.0 m³/min           Combustion air flow         42.0 m³/min           Exhaust gas flow         79.0 m³/min           TA Luft         N	Cooling	Water	
Fuel Cons. at 100% (E.P.)       133.0 l/h         Fuel Cons. at 100% (P.R.P)       115.0 l/h         Fuel Cons. at 75% (P.R.P.)       85.0 l/h         Fuel Cons. at 50% (P.R.P.)       58.0 l/h         Fuel Cons. at 25% (P.R.P.)       33.0 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       48.0 l         Engine Antifreeze capacity       33.0 l         Radiator type       TR         Heat from radiator       32.0 kW         Heat from exhaust       373.0 kW         Heat from radiation       185.0 kW         Exhaust temperature       435 °C         Portata Raffreddamento       707.0 m³/min         Combustion air flow       42.0 m³/min         Exhaust gas flow       79.0 m³/min         TA Luft       N	Flywheel P.R.P. Power net	485.0	kW
Fuel Cons. at 100% (P.R.P.)       115.0 l/h         Fuel Cons. at 75% (P.R.P.)       85.0 l/h         Fuel Cons. at 50% (P.R.P.)       58.0 l/h         Fuel Cons. at 25% (P.R.P.)       33.0 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       48.0 l         Engine Antifreeze capacity       33.0 l         Radiator type       TR         Heat from radiator       32.0 kW         Heat from exhaust       373.0 kW         Heat from radiation       185.0 kW         Exhaust temperature       435 °C         Portata Raffreddamento       707.0 m³/min         Combustion air flow       42.0 m³/min         Exhaust gas flow       79.0 m³/min         TA Luft       N	Flywheel E.P. Power net	546.0	kW
Fuel Cons. at 75% (P.R.P.)       85.0 l/h         Fuel Cons. at 50% (P.R.P.)       58.0 l/h         Fuel Cons. at 25% (P.R.P.)       33.0 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       48.0 l         Engine Antifreeze capacity       33.0 l         Radiator type       TR         Heat from radiator       32.0 kW         Heat from exhaust       373.0 kW         Heat from radiation       185.0 kW         Exhaust temperature       435 °C         Portata Raffreddamento       707.0 m³/min         Combustion air flow       42.0 m³/min         Exhaust gas flow       79.0 m³/min         TA Luft       N	Fuel Cons. at 100% (E.P.)	133.0	l/h
Fuel Cons. at 50% (P.R.P.)         58.0 l/h           Fuel Cons. at 25% (P.R.P.)         33.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0 l           Engine Antifreeze capacity         33.0 l           Radiator type         TR           Heat from radiator         32.0 kW           Heat from exhaust         373.0 kW           Heat from radiation         185.0 kW           Exhaust temperature         435 °C           Portata Raffreddamento         707.0 m³/min           Combustion air flow         42.0 m³/min           Exhaust gas flow         79.0 m³/min           TA Luft         N	Fuel Cons. at 100% (P.R.P)	115.0	l/h
Fuel Cons. at 25% (P.R.P.)         33.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0 l           Engine Antifreeze capacity         33.0 l           Radiator type         TR           Heat from radiator         32.0 kW           Heat from exhaust         373.0 kW           Heat from radiation         185.0 kW           Exhaust temperature         435 °C           Portata Raffreddamento         707.0 m³/min           Combustion air flow         42.0 m³/min           Exhaust gas flow         79.0 m³/min           TA Luft         N	Fuel Cons. at 75% (P.R.P.)	85.0	l/h
Electronic regulator  Precision class G3 Oil quantity 48.0 I Engine Antifreeze capacity 33.0 I Radiator type TR Heat from radiator Heat from exhaust 373.0 kW Heat from radiation 185.0 kW Exhaust temperature 435 °C Portata Raffreddamento 707.0 m³/min Combustion air flow 42.0 m³/min Exhaust gas flow 79.0 m³/min	Fuel Cons. at 50% (P.R.P.)	58.0	l/h
Precision class         G3           Oil quantity         48.0 I           Engine Antifreeze capacity         33.0 I           Radiator type         TR           Heat from radiator         32.0 kW           Heat from exhaust         373.0 kW           Heat from radiation         185.0 kW           Exhaust temperature         435 °C           Portata Raffreddamento         707.0 m³/min           Combustion air flow         42.0 m³/min           Exhaust gas flow         79.0 m³/min           TA Luft         N	Fuel Cons. at 25% (P.R.P.)	33.0	l/h
Oil quantity 48.0   Engine Antifreeze capacity 33.0   Radiator type TR	Electronic regulator	Standard	
Engine Antifreeze capacity  Radiator type  TR  Heat from radiator  Heat from exhaust  Heat from radiation  185.0 kW  Exhaust temperature  435 °C  Portata Raffreddamento  Combustion air flow  Exhaust gas flow  TA Luft  33.0 l  TR  TA  W  TA  N  TA  TA  TA  TA  TA  TA  TA  TA	Precision class	G3	
Radiator type TR Heat from radiator 32.0 kW Heat from exhaust 373.0 kW Heat from radiation 185.0 kW Exhaust temperature 435 °C Portata Raffreddamento 707.0 m³/min Combustion air flow 42.0 m³/min Exhaust gas flow 79.0 m³/min TA Luft N	Oil quantity	48.0	I
Heat from radiator 32.0 kW Heat from exhaust 373.0 kW Heat from radiation 185.0 kW Exhaust temperature 435 °C Portata Raffreddamento 707.0 m³/min Combustion air flow 42.0 m³/min Exhaust gas flow 79.0 m³/min TA Luft N	Engine Antifreeze capacity	33.0	I
Heat from exhaust 373.0 kW Heat from radiation 185.0 kW Exhaust temperature 435 °C Portata Raffreddamento 707.0 m³/min Combustion air flow 42.0 m³/min Exhaust gas flow 79.0 m³/min TA Luft N	Radiator type	TR	
Heat from radiation 185.0 kW  Exhaust temperature 435 °C  Portata Raffreddamento 707.0 m³/min  Combustion air flow 42.0 m³/min  Exhaust gas flow 79.0 m³/min  TA Luft N	Heat from radiator	32.0	kW
Exhaust temperature 435 °C  Portata Raffreddamento 707.0 m³/min  Combustion air flow 42.0 m³/min  Exhaust gas flow 79.0 m³/min  TA Luft N	Heat from exhaust	373.0	kW
Portata Raffreddamento 707.0 m³/min Combustion air flow 42.0 m³/min Exhaust gas flow 79.0 m³/min TA Luft N	Heat from radiation	185.0	kW
Combustion air flow 42.0 m³/min Exhaust gas flow 79.0 m³/min TA Luft N	Exhaust temperature	435	°C
Exhaust gas flow 79.0 m³/min TA Luft N	Portata Raffreddamento	707.0	m³/min
TA Luft N	Combustion air flow	42.0	m³/min
	Exhaust gas flow	79.0	m³/min
TA Luft/2 N	TA Luft	N	
	TA Luft/2	N	
EPA N	EPA	N	
Stage N	Stage	N	

MAIN DATA	
Continuous power (PRP)	<b>570.00</b> kVA
Continuous power (PRP)	<b>456.00</b> kW
Emergency power (E.P.)	<b>642.00</b> kVA
Emergency power (E.P.)	<b>513.60</b> kW
VAC - HZ - cos(fi)	208 - 60 - 0.8

DIMENSIONS AND WEIGHT		
Width	1300	mm
Length	3400	mm
Height	2250	mm
Weight	4250	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 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.