

EPA

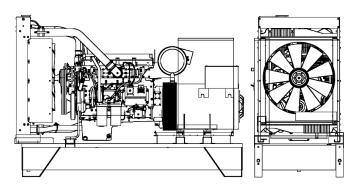
Stage

## S 700 B





## **POWERFULL "B"**



Description         SCANIA           Engine model         DC16 078A 02 43           Cylinders         8           RPM speed         1500           Cubic capacity         16.40           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc         Vdc           Sae         1-14         BMEP         0 kPa           Cooling         Water         Flywheel P.R.P. Power net         596.0 kW           Flywheel E.P. Power net         655.0 kW         Fuel Cons. at 100% (E.P.)         148.0 l/h           Fuel Cons. at 100% (P.R.P)         131.4 l/h         Fuel Cons. at 75% (P.R.P.)         97.5 l/h           Fuel Cons. at 25% (P.R.P.)         65.0 l/h         Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h         Fuel Cons. at 25% (P.R.P.)         Ta           Fuel Cons. at 25% (P.R.P.)         7.0 l/h         Fuel Cons. at 25% (P.R.P.)         65.0 l/h           Fuel Cons. at 25% (P.R.P.)         7.0 l/h         Fuel Cons. at 25% (P.R.P.)         7.0 l/h           Fuel Cons. at 25% (P.R.P.)         7.0 l/h         Fuel Cons. at 25% (P.R.P.)         7.0 l/h           Fuel Cons. at 25% (P.R.P.)         7.0 l/h <th>For illustrative purposes only</th> <th></th> <th></th>	For illustrative purposes only		
Engine model         DC16 078A 02 43           Cylinders         8           RPM speed         1500           Cubic capacity         16.40           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14         BMEP         0         kPa           Cooling         Water         Flywheel P.R.P. Power net         596.0         kW           Flywheel E.P. Power net         655.0         kW           Fuel Cons. at 100% (E.P.)         148.0         l/h           Fuel Cons. at 100% (P.R.P)         131.4         l/h           Fuel Cons. at 75% (P.R.P.)         97.5         l/h           Fuel Cons. at 25% (P.R.P.)         65.0         l/h           Fuel Cons. at 25% (P.R.P.)         0.0	ENGINE		
Cylinders       8         RPM speed       1500         Cubic capacity       16.40       I         Air intake       Turbocharged         Standard voltage       24       Vdc         Optional voltage       Vdc         Sae       1-14       BMEP       0       kPa         Cooling       Water       Flywheel P.R.P. Power net       596.0       kW         Flywheel E.P. Power net       655.0       kW         Fuel Cons. at 100% (E.P.)       148.0       l/h         Fuel Cons. at 100% (P.R.P)       131.4       l/h         Fuel Cons. at 55% (P.R.P.)       97.5       l/h         Fuel Cons. at 25% (P.R.P.)       65.0       l/h         Fuel Cons. at 25% (P.R.P.)       0.0       l/h         Electronic regulator       Standard       Precision class       G3         Oil quantity       48.0       I         Engine Antifreeze capacity       24.0       I         Radiator type       TR         Heat from radiator       357.0       kW         Heat from radiation       63.0       kW         Heat from radiation       63.0       kW         Exhaust temperature       578       °C	Description	SCANIA	
RPM speed         1500           Cubic capacity         16.40         I           Air intake         Turbocharged         Vdc           Standard voltage         24         Vdc           Optional voltage         Vdc         Vdc           Sae         1-14         BMEP         0 kPa           Cooling         Water         Flywheel P.R.P. Power net         596.0 kW           Flywheel E.P. Power net         655.0 kW         Fuel Cons. at 100% (P.R.P.)         148.0 l/h         I/h           Fuel Cons. at 100% (P.R.P.)         97.5 l/h         I/h         Fuel Cons. at 50% (P.R.P.)         65.0 l/h         I/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h         Electronic regulator         Standard         Precision class         G3           Oil quantity         48.0 l         I         Engine Antifreeze capacity         Ak         I           Radiator type         TR         Heat from radiator         357.0 kW         Heat from exhaust         480.0 kW           Heat from radiation         63.0 kW         Exhaust temperature         578 °C         Portata Raffreddamento         0.0 m³/min           Combustion air flow         0.0 m³/min         Minimin m³/min         Minimin m³/min           TA Luft	Engine model	DC16 078A 02 43	
Cubic capacity         16.40         I           Air intake         Turbocharged         Standard voltage         Vdc           Optional voltage         Vdc         Vdc           Sae         1-14         BMEP         0 kPa           Cooling         Water         Flywheel P.R.P. Power net         596.0 kW           Flywheel E.P. Power net         655.0 kW         Fuel Cons. at 100% (E.P.)         148.0 l/h           Fuel Cons. at 100% (P.R.P)         131.4 l/h         I/h           Fuel Cons. at 75% (P.R.P.)         97.5 l/h         I/h           Fuel Cons. at 50% (P.R.P.)         65.0 l/h         I/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h         I/h           Fuel Cons. at 75% (P.R.P.)         I/h         I/h	Cylinders	8	
Air intake Turbocharged Standard voltage 24 Vdc Optional voltage Vdc Sae 1-14  BMEP 0 kPa Cooling Water Flywheel P.R.P. Power net 596.0 kW Flywheel E.P. Power net 655.0 kW Fuel Cons. at 100% (E.P.) 148.0 l/h Fuel Cons. at 100% (P.R.P) 131.4 l/h Fuel Cons. at 75% (P.R.P.) 97.5 l/h Fuel Cons. at 50% (P.R.P.) 65.0 l/h Fuel Cons. at 25% (P.R.P.) 0.0 l/h Electronic regulator Standard Precision class G3 Oil quantity 48.0 l Engine Antifreeze capacity 24.0 l Radiator type TR Heat from radiator 357.0 kW Heat from radiation 63.0 kW Exhaust temperature 578 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 0.0 m³/min Exhaust gas flow 0.0 m³/min TA Luft N	RPM speed	1500	
Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         1-14           BMEP         0         kPa           Cooling         Water           Flywheel P.R.P. Power net         596.0         kW           Flywheel E.P. Power net         655.0         kW           Fuel Cons. at 100% (E.P.)         148.0         l/h           Fuel Cons. at 100% (P.R.P)         131.4         l/h           Fuel Cons. at 75% (P.R.P.)         97.5         l/h           Fuel Cons. at 50% (P.R.P.)         65.0         l/h           Fuel Cons. at 25% (P.R.P.)         0.0         l/h           Fuel Cons. at 25% (P.R.P.)         0.0         l/h           Electronic regulator         Standard           Precision class         G3         Oil quantity         48.0         l           Engine Antifreeze capacity         24.0         l           Radiator type         TR         Heat from radiator         357.0         kW           Heat from radiation         63.0         kW           Exhaust temperature         578         °C           Portata Raffreddamento         0.0         m³/min           Combustion air flow	Cubic capacity	16.40	1
Optional voltage         Vdc           Sae         1-14           BMEP         0 kPa           Cooling         Water           Flywheel P.R.P. Power net         596.0 kW           Flywheel E.P. Power net         655.0 kW           Fuel Cons. at 100% (E.P.)         148.0 l/h           Fuel Cons. at 100% (P.R.P)         131.4 l/h           Fuel Cons. at 75% (P.R.P.)         97.5 l/h           Fuel Cons. at 50% (P.R.P.)         65.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h	Air intake	Turbocharged	
Sae       1-14         BMEP       0 kPa         Cooling       Water         Flywheel P.R.P. Power net       596.0 kW         Flywheel E.P. Power net       655.0 kW         Fuel Cons. at 100% (E.P.)       148.0 l/h         Fuel Cons. at 100% (P.R.P.)       131.4 l/h         Fuel Cons. at 75% (P.R.P.)       97.5 l/h         Fuel Cons. at 50% (P.R.P.)       65.0 l/h         Fuel Cons. at 25% (P.R.P.)       0.0 l/h         Fuel Cons. at 25% (P.R.P.)       0.0 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       48.0 l         Engine Antifreeze capacity       24.0 l         Radiator type       TR         Heat from radiator       357.0 kW         Heat from exhaust       480.0 kW         Heat from radiation       63.0 kW         Exhaust temperature       578 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       0.0 m³/min         TA Luft       N	Standard voltage	24	Vdc
BMEP 0 kPa  Cooling Water  Flywheel P.R.P. Power net 596.0 kW  Flywheel E.P. Power net 655.0 kW  Fuel Cons. at 100% (E.P.) 148.0 l/h  Fuel Cons. at 100% (P.R.P) 131.4 l/h  Fuel Cons. at 75% (P.R.P.) 97.5 l/h  Fuel Cons. at 50% (P.R.P.) 65.0 l/h  Fuel Cons. at 25% (P.R.P.) 0.0 l/h  Fuel Cons. at 25% (P.R.P.) Tandard  Precision class G3  Oil quantity 48.0 l  Engine Antifreeze capacity 24.0 l  Radiator type TR  Heat from radiator 357.0 kW  Heat from exhaust 480.0 kW  Heat from radiation 63.0 kW  Exhaust temperature 578 °C  Portata Raffreddamento 0.0 m³/min  Combustion air flow 0.0 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N	Optional voltage		Vdc
Cooling         Water           Flywheel P.R.P. Power net         596.0 kW           Flywheel E.P. Power net         655.0 kW           Fuel Cons. at 100% (E.P.)         148.0 l/h           Fuel Cons. at 100% (P.R.P)         131.4 l/h           Fuel Cons. at 75% (P.R.P.)         97.5 l/h           Fuel Cons. at 50% (P.R.P.)         65.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0 l           Engine Antifreeze capacity         24.0 l           Radiator type         TR           Heat from radiator         357.0 kW           Heat from exhaust         480.0 kW           Exhaust temperature         578 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         0.0 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N	Sae	1-14	
Flywheel P.R.P. Power net 596.0 kW Flywheel E.P. Power net 655.0 kW Fuel Cons. at 100% (E.P.) 148.0 l/h Fuel Cons. at 100% (P.R.P) 131.4 l/h Fuel Cons. at 75% (P.R.P.) 97.5 l/h Fuel Cons. at 50% (P.R.P.) 65.0 l/h Fuel Cons. at 25% (P.R.P.) 0.0 l/h Fuel Cons. at 25% (P.R.P.) 75 l/h Electronic regulator 75 l/h Electronic regulator 848.0 l Engine Antifreeze capacity 24.0 l Radiator type TR Heat from radiator 357.0 kW Heat from exhaust 480.0 kW Heat from radiation 63.0 kW Exhaust temperature 578 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 0.0 m³/min Exhaust gas flow 0.0 m³/min TA Luft N	BMEP	0	kPa
Flywheel E.P. Power net         655.0 kW           Fuel Cons. at 100% (E.P.)         148.0 l/h           Fuel Cons. at 100% (P.R.P)         131.4 l/h           Fuel Cons. at 75% (P.R.P.)         97.5 l/h           Fuel Cons. at 50% (P.R.P.)         65.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0 l           Engine Antifreeze capacity         24.0 l           Radiator type         TR           Heat from radiator         357.0 kW           Heat from exhaust         480.0 kW           Exhaust temperature         578 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         0.0 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N	Cooling	Water	
Fuel Cons. at 100% (E.P.)       148.0 l/h         Fuel Cons. at 100% (P.R.P)       131.4 l/h         Fuel Cons. at 75% (P.R.P.)       97.5 l/h         Fuel Cons. at 50% (P.R.P.)       65.0 l/h         Fuel Cons. at 25% (P.R.P.)       0.0 l/h         Fuel Cons. at 25% (P.R.P.)       0.0 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       48.0 l         Engine Antifreeze capacity       24.0 l         Radiator type       TR         Heat from radiator       357.0 kW         Heat from exhaust       480.0 kW         Exhaust temperature       578 °C         Portata Raffreddamento       0.0 m³/min         Combustion air flow       0.0 m³/min         Exhaust gas flow       0.0 m³/min         TA Luft       N	Flywheel P.R.P. Power net	596.0	kW
Fuel Cons. at 100% (P.R.P)       131.4       I/h         Fuel Cons. at 75% (P.R.P.)       97.5       I/h         Fuel Cons. at 50% (P.R.P.)       65.0       I/h         Fuel Cons. at 25% (P.R.P.)       0.0       I/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       48.0       I         Engine Antifreeze capacity       24.0       I         Radiator type       TR       Heat from radiator       357.0       kW         Heat from exhaust       480.0       kW         Heat from radiation       63.0       kW         Exhaust temperature       578 °C         Portata Raffreddamento       0.0       m³/min         Combustion air flow       0.0       m³/min         TA Luft       N	Flywheel E.P. Power net	655.0	kW
Fuel Cons. at 75% (P.R.P.)       97.5       I/h         Fuel Cons. at 50% (P.R.P.)       65.0       I/h         Fuel Cons. at 25% (P.R.P.)       0.0       I/h         Fuel Cons. at 25% (P.R.P.)       0.0       I/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       48.0       I         Engine Antifreeze capacity       24.0       I         Radiator type       TR       TR         Heat from radiator       357.0       kW         Heat from exhaust       480.0       kW         Exhaust temperature       578 °C         Portata Raffreddamento       0.0       m³/min         Combustion air flow       0.0       m³/min         Exhaust gas flow       0.0       m³/min         TA Luft       N	Fuel Cons. at 100% (E.P.)	148.0	l/h
Fuel Cons. at 50% (P.R.P.)         65.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0 l           Engine Antifreeze capacity         24.0 l           Radiator type         TR           Heat from radiator         357.0 kW           Heat from exhaust         480.0 kW           Exhaust temperature         578 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         0.0 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N	Fuel Cons. at 100% (P.R.P)	131.4	l/h
Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0 l           Engine Antifreeze capacity         24.0 l           Radiator type         TR           Heat from radiator         357.0 kW           Heat from exhaust         480.0 kW           Heat from radiation         63.0 kW           Exhaust temperature         578 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         0.0 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N	Fuel Cons. at 75% (P.R.P.)	97.5	l/h
Electronic regulator         Standard           Precision class         G3           Oil quantity         48.0   I           Engine Antifreeze capacity         24.0   I           Radiator type         TR           Heat from radiator         357.0 kW           Heat from exhaust         480.0 kW           Heat from radiation         63.0 kW           Exhaust temperature         578 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         0.0 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N	Fuel Cons. at 50% (P.R.P.)	65.0	l/h
Precision class         G3           Oil quantity         48.0   1           Engine Antifreeze capacity         24.0   1           Radiator type         TR           Heat from radiator         357.0 kW           Heat from exhaust         480.0 kW           Heat from radiation         63.0 kW           Exhaust temperature         578 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         0.0 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N	Fuel Cons. at 25% (P.R.P.)	0.0	l/h
Oil quantity         48.0 I           Engine Antifreeze capacity         24.0 I           Radiator type         TR           Heat from radiator         357.0 kW           Heat from exhaust         480.0 kW           Heat from radiation         63.0 kW           Exhaust temperature         578 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         0.0 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N	Electronic regulator	Standard	
Engine Antifreeze capacity         24.0 I           Radiator type         TR           Heat from radiator         357.0 kW           Heat from exhaust         480.0 kW           Heat from radiation         63.0 kW           Exhaust temperature         578 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         0.0 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N	Precision class	G3	
Radiator type         TR           Heat from radiator         357.0 kW           Heat from exhaust         480.0 kW           Heat from radiation         63.0 kW           Exhaust temperature         578 °C           Portata Raffreddamento         0.0 m³/min           Combustion air flow         0.0 m³/min           Exhaust gas flow         0.0 m³/min           TA Luft         N	Oil quantity	48.0	I
Heat from radiator 357.0 kW Heat from exhaust 480.0 kW Heat from radiation 63.0 kW Exhaust temperature 578 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 0.0 m³/min Exhaust gas flow 0.0 m³/min TA Luft N	Engine Antifreeze capacity	24.0	I
Heat from exhaust 480.0 kW Heat from radiation 63.0 kW Exhaust temperature 578 °C Portata Raffreddamento 0.0 m³/min Combustion air flow 0.0 m³/min Exhaust gas flow 0.0 m³/min	Radiator type	TR	
Heat from radiation 63.0 kW  Exhaust temperature 578 °C  Portata Raffreddamento 0.0 m³/min  Combustion air flow 0.0 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N	Heat from radiator	357.0	kW
Exhaust temperature 578 °C  Portata Raffreddamento 0.0 m³/min  Combustion air flow 0.0 m³/min  Exhaust gas flow 0.0 m³/min  TA Luft N	Heat from exhaust	480.0	kW
Portata Raffreddamento 0.0 m³/min Combustion air flow 0.0 m³/min Exhaust gas flow 0.0 m³/min TA Luft N	Heat from radiation	63.0	kW
Combustion air flow 0.0 m³/min Exhaust gas flow 0.0 m³/min TA Luft N	Exhaust temperature	578	°C
Exhaust gas flow 0.0 m³/min TA Luft N	Portata Raffreddamento	0.0	m³/min
TA Luft N	Combustion air flow	0.0	m³/min
	Exhaust gas flow	0.0	m³/min
TA Luft/2 N	TA Luft	N	
	TA Luft/2	N	

MAIN DATA		
Continuous power (PRP)	<b>700.00</b> k	VA
Continuous power (PRP)	<b>560.00</b> k	W
Emergency power (E.P.)	<b>770.00</b> k	VA
Emergency power (E.P.)	<b>616.00</b> k	W
VAC - HZ - cos(fi)	400 - 50 - 0.8	

DIMENSIONS AND WEIGHT		
Width	1320	mm
Length	3360	mm
Height	2290	mm
Weight	4190	kg

ALTERNATOR		
Description	STAMFORD	
Alternator model	S6L1D-C	
P.R.P. Power	810.0	kVA
E.P. Power	860.0	kVA
Connection	Star	
Phases	3FN	
Winding	312	
Terminal Number	6	nr.
IP Protection	23	
Electronic regulator	MX322	
Precision	0.5	± %

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

CANOPY & SILENCER	
Canopy model	SENZA COFANO
Silencer model	MS 30
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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