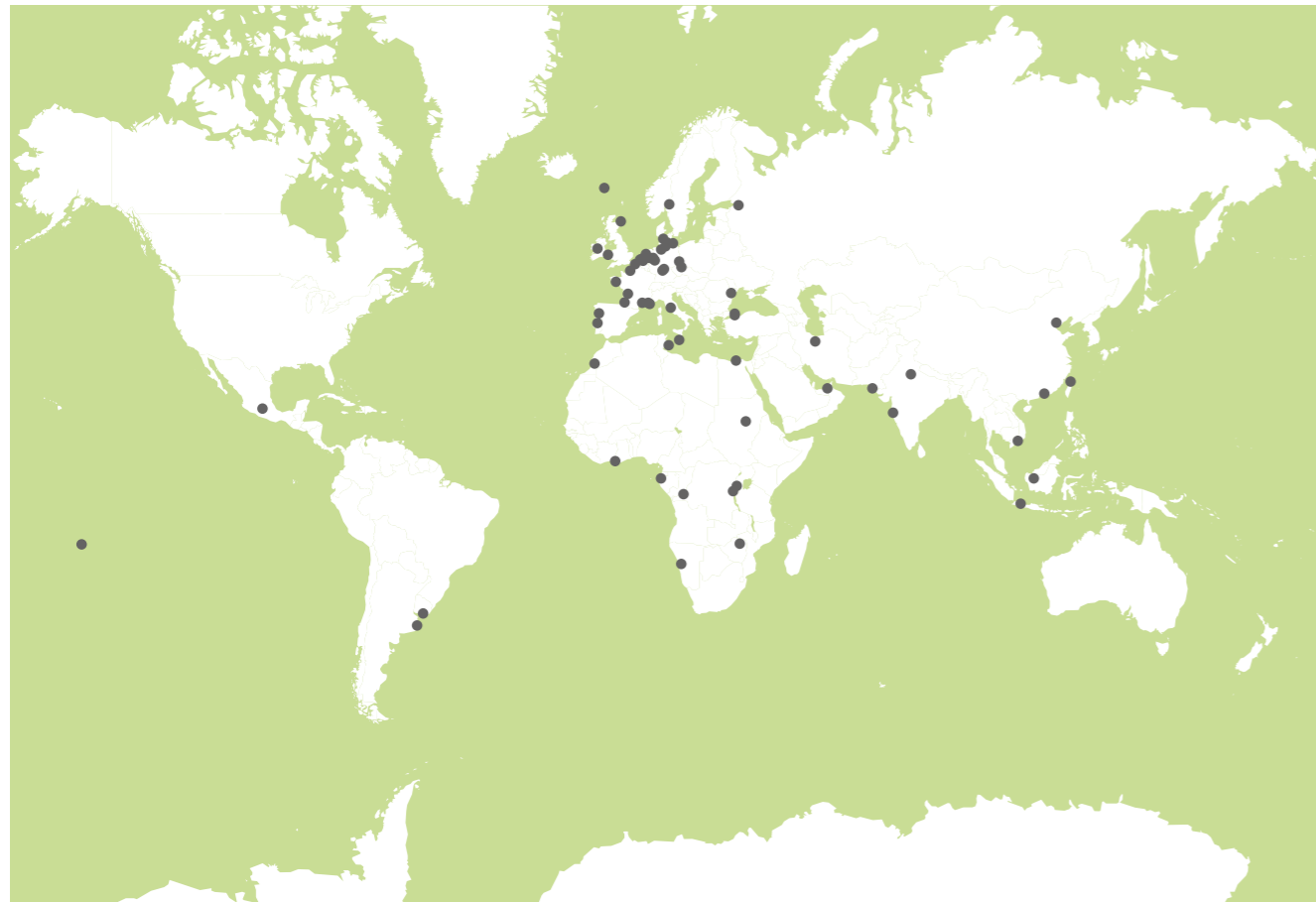


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Anglo Belgian Corporation Datasheet



Engine type
6/8DZC

All data provided in this document is non-binding. This data serves informational purposes only and is especially not guaranteed in any way. Depending on the subsequent specific individual projects, the relevant data may be subject to changes and will be assessed and determined individually for each project. This will depend on the particular characteristics of each individual project, especially specific site and operational conditions.

Datasheet ABC diesel engines type DZC

Operational circumstances based on ISO-conditions (ISO 3046-I).

ABC reserves the right to alter the technical data without prior notice.

Definition

DZC: Medium speed engine, turbocharged & intercooled, available in Anti-clock and Clock rotation. Can run on diesel, heavy fuel, vegetable oil, animal greases, ... Dual fuel execution is also possible.

Basic data

Cycle	4 stroke, single acting
Cylinders	6-8 in line
Bore	256 mm
Stroke	310 mm
Swept volume	6 cylinders: 95,7 liters 8 cylinders: 127,6 liters
Compression ratio	12,1 : 1
Injection	Direct, mechanical One pump per cylinder
Brake mean effective pressure	18,8 bar (at 1000 rpm)
Piston speed	10,3 m/s (at 1000 rpm)

Emission

Comply with all environmental requirements, such as IMO TIER-2, CCNR-2 and EU3A.

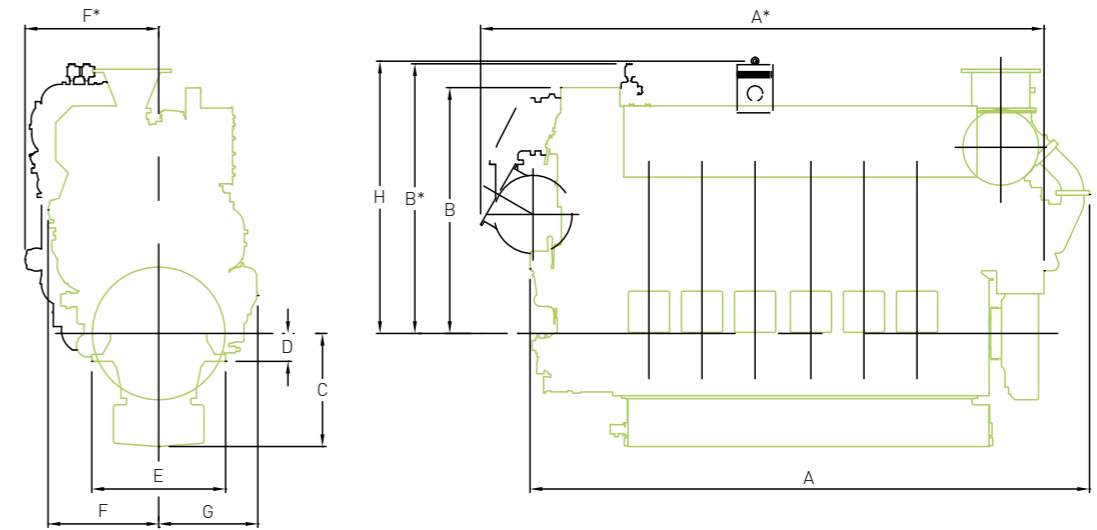
Power

Engine type	rpm	Engine power (ISO 3046 - I)		Nominal power of gensets DZC			
		kW	HP	50 Hz electric - 3 phase		60 Hz electric - 3 phase	
				P _w (kW)	P _n (kVA)	P _w (kW)	P _n (kVA)
6 DZC-720-181	720	1032	1402	---	---	980	1225
6 DZC-750-179	750	1065	1447	1012	1265	---	---
6 DZC-900-166	900	1194	1622	---	---	1134	1418
6 DZC-900-188 *	900	1350	1834	---	---	1283	1603
6 DZC-1000-166	1000	1326	1802	1260	1575	---	---
6 DZC-1000-188 *	1000	1500	2038	1425	1781	---	---
8 DZC-720-181	720	1376	1870	---	---	1307	1634
8 DZC-750-179	750	1420	1929	1349	1686	---	---
8 DZC-900-166	900	1592	2163	---	---	1512	1890
8 DZC-900-188 *	900	1800	2446	---	---	1710	2138
8 DZC-1000-166	1000	1768	2402	1680	2100	---	---
8 DZC-1000-188 *	1000	2000	2717	1900	2375	---	---

[*] For special applications

Conversion factors used: 1 metric HP = 0,736 kW • Generator efficiency: $\eta_g = 0,95$ • Power factor: $\cos \varphi = 0,8$

6/8DZC engine

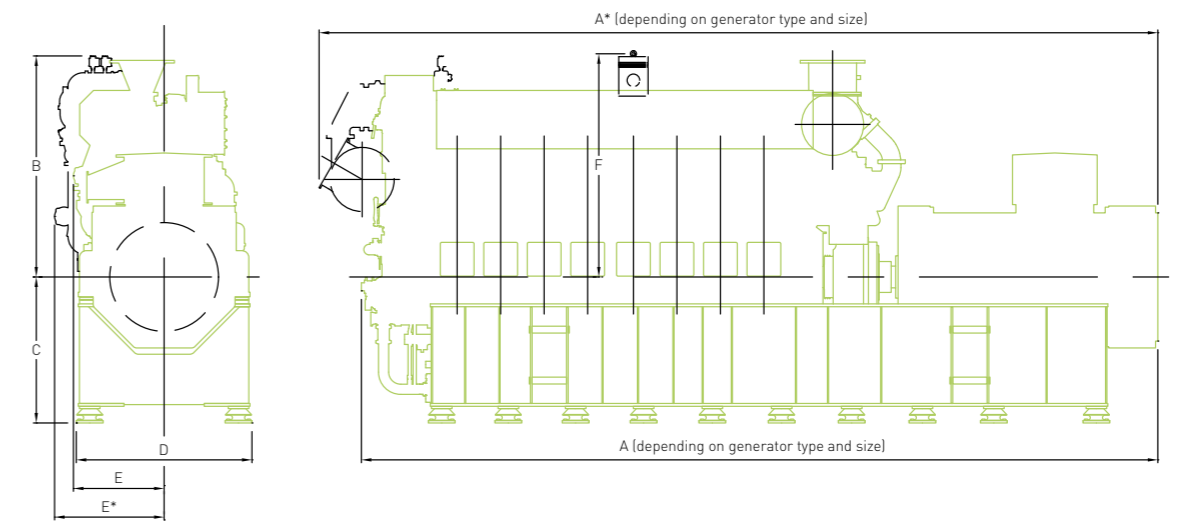


	A	A*	B	B*	C (mm)		D	E	F	F*	G	H	Dry mass**
	(mm)	(mm)	(mm)	(mm)	(Shallow)	(Deep)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
6DZC	4007	4036	1761	1931	508/650	710/810	200	958	793	957	710	1950	10620
8DZC	4767	4796	1761	1931	508/650	710/810	200	958	793	957	710	1950	13905

* Turbocharger at free end side

** Flywheel, vibration damper and coolers are included

6/8DZC genset



	A (mm)	A* (mm)	B (mm)	C (mm)	D (mm)	E (mm)	E* (mm)	F (mm)	Dry mass** (kg)
6DZC	6037	6406	1931	1276	1535	793	957	1950	22100
8DZC	6959	7328	1931	1276	1535	793	957	1950	26500

* Turbocharger at free end side

** Genset total mass depending on generator type and size