



**ANGLO BELGIAN  
CORPORATION**

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## Datasheet



Engine type

**6/8DZC**

# 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 or 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

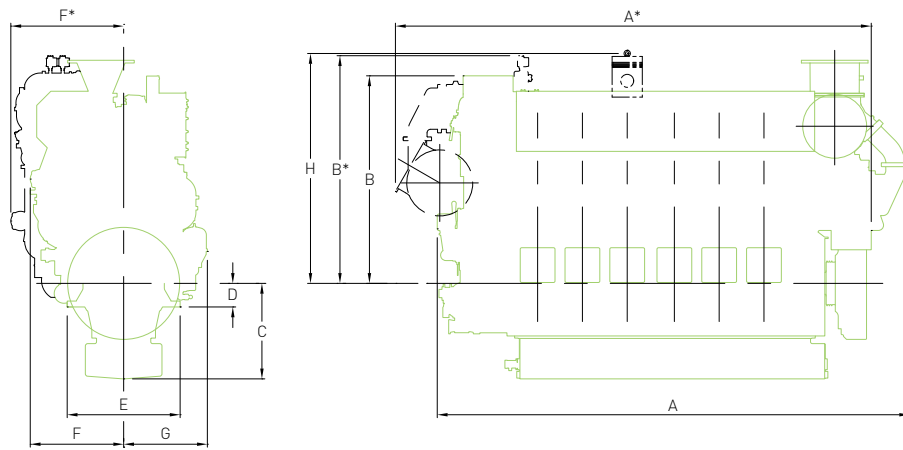
Comply with all environmental requirements, such as IMO TIER-2, CCNR-2 and EU3A.

## 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 <sub>W</sub> (kW)	P <sub>n</sub> (kVA)	P <sub>W</sub> (kW)	P <sub>n</sub> (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-1000-176	1000	1405	1910	1335	1668	---	---
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-1000-176	1000	1875	2545	1780	2225	---	---
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:  $\cos \varphi = 0,8$



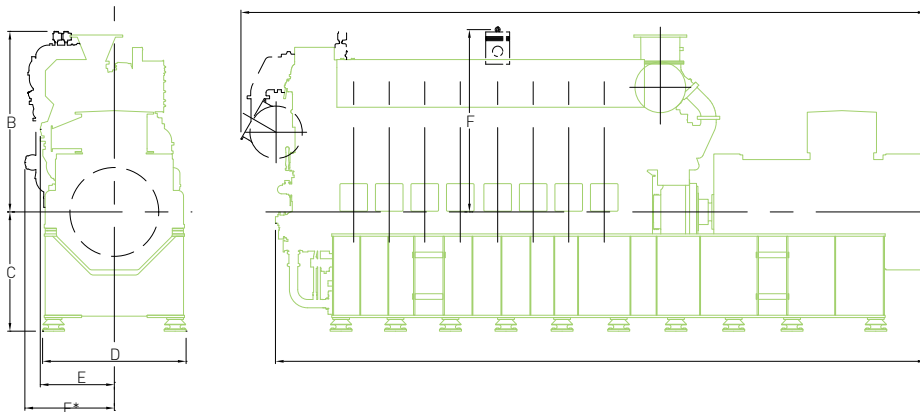
## 6/8DZC engine

	A (mm)	A* (mm)	B (mm)	C (mm)	C* (mm)	D (mm)		E (mm)	F (mm)	G (mm)	G* (mm)	H (mm)	I (mm)	Dry mass** (kg)
						(Shallow)	(Deep)							
<b>6DZC</b>	4007	4036	2771	1761	1931	508/650	710/810	200	958	793	957	710	1950	10620
<b>8DZC</b>	4767	4796	3531	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

A\* (depending on generator type and size)



## 6/8DZC genset

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

\* Turbocharger at free end side

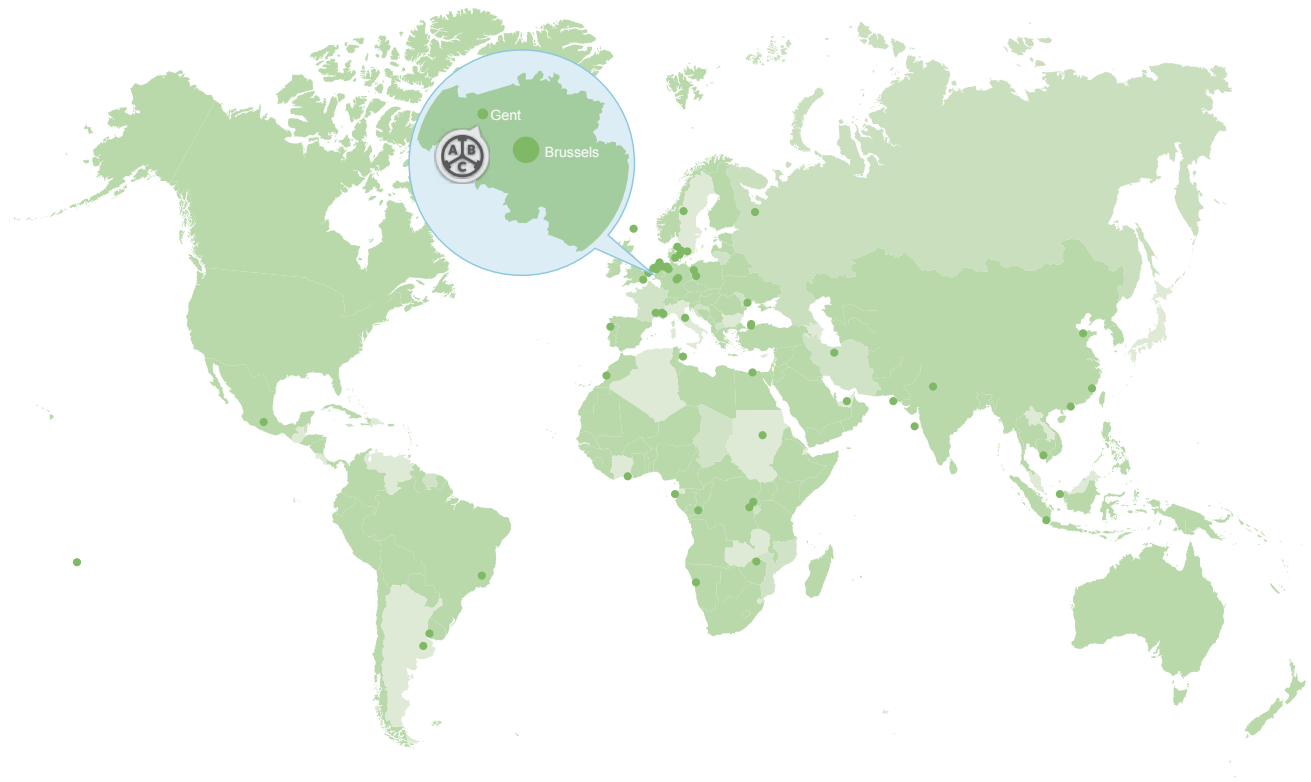
\*\* Genset total mass depending on generator type and size

## About classification

Anglo Belgian Corporation is ISO 9001 : 2015 certified. All engines are individually tested on test benches with option of the presence of the client and possibility of all major classifications.



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### Contact details

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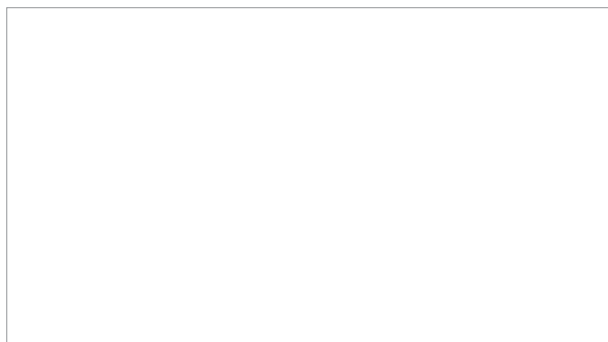
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