



**ANGLO BELGIAN
CORPORATION**

We power your future

Datasheet



Engine type

12/16DZC

Datasheet ABC diesel engines type (V)DZC

Operational circumstances based on ISO-conditions (ISO 3046-I). ABC reserves the right to alter the technical data without prior notice.

Definition

(V)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	12-16 in V		
Bore	256 mm		
Stroke	310 mm		
Swept volume	12 cylinders:	191,5 liters	
	16 cylinders:	255,2 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

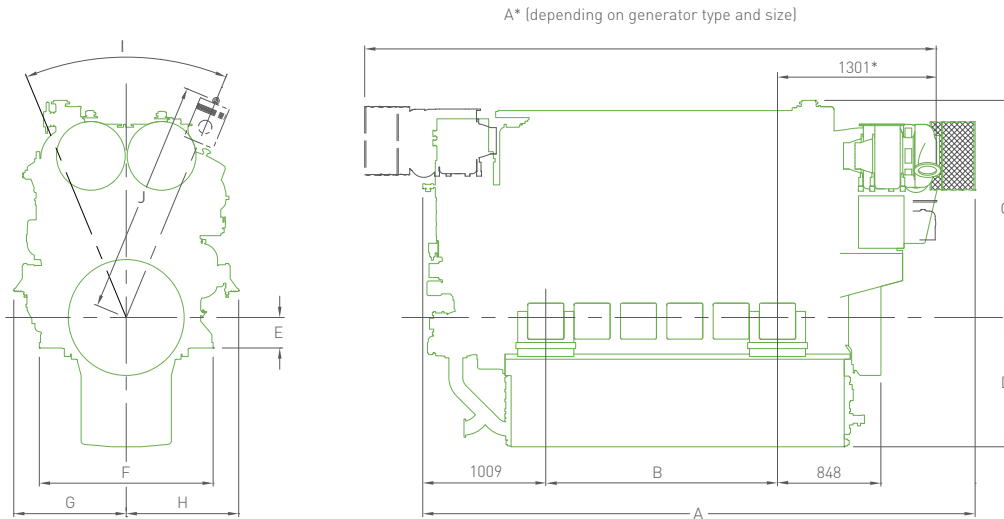
Comply with all environmental requirements, such as IMO TIER-2, CCNR-2 and EU3A.

Power

Engine type	rpm	Engine power (ISO 3046 - I)		Nominal power of gensets (V)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)
12 DZC-720-181	720	2064	2804	---	---	1961	2451
12 DZC-750-179	750	2130	2894	2024	2530	---	---
12 DZC-900-166	900	2388	3245	---	---	2269	2836
12 DZC-900-188 *	900	2700	3668	---	---	2565	3206
12 DZC-1000-166	1000	2652	3603	2519	3149	---	---
12 DZC-1000-176	1000	2800	3805	2660	3325	---	---
12 DZC-1000-188 *	1000	3000	4076	2850	3563	---	---
16 DZC-720-181	720	2752	3739	---	---	2614	3268
16 DZC-750-179	750	2840	3859	2698	3372	---	---
16 DZC-900-166	900	3184	4326	---	---	3025	3781
16 DZC-900-188 *	900	3600	4891	---	---	3420	4275
16 DZC-1000-166	1000	3536	4804	3359	4199	---	---
16 DZC-1000-176	1000	3750	5095	3562	4453	---	---
16 DZC-1000-188 *	1000	4000	5435	3800	4750	---	---

* For special applications

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

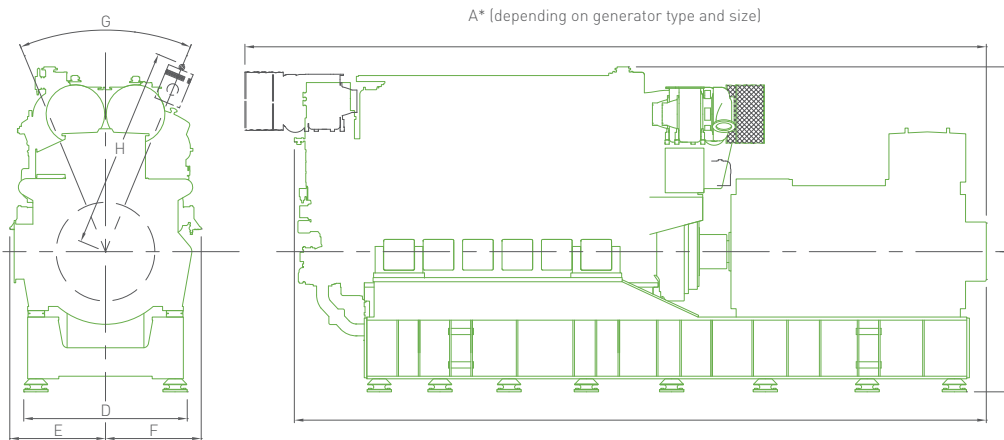


12/16DZC engine

	A (mm)	A* (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (°)	J (mm)	Dry mass** (kg)
12DZC	4529	4686	1900	1780	1060	250	1425	925	925	45	1950	18000
16DZC	5289	5446	2660	1780	1060	250	1425	925	925	45	1950	21750

* Turbochargers at free end side

** Flywheel, vibration damper and coolers are included



12/16DZC genset

	A (mm)	A* (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (°)	H (mm)	Dry mass** (kg)
12DZC	6667	7143	1780	1351	1575	925	925	45	1950	33500
16DZC	7847	8323	1780	1351	1575	925	925	45	1950	43200

* Turbochargers at free end side

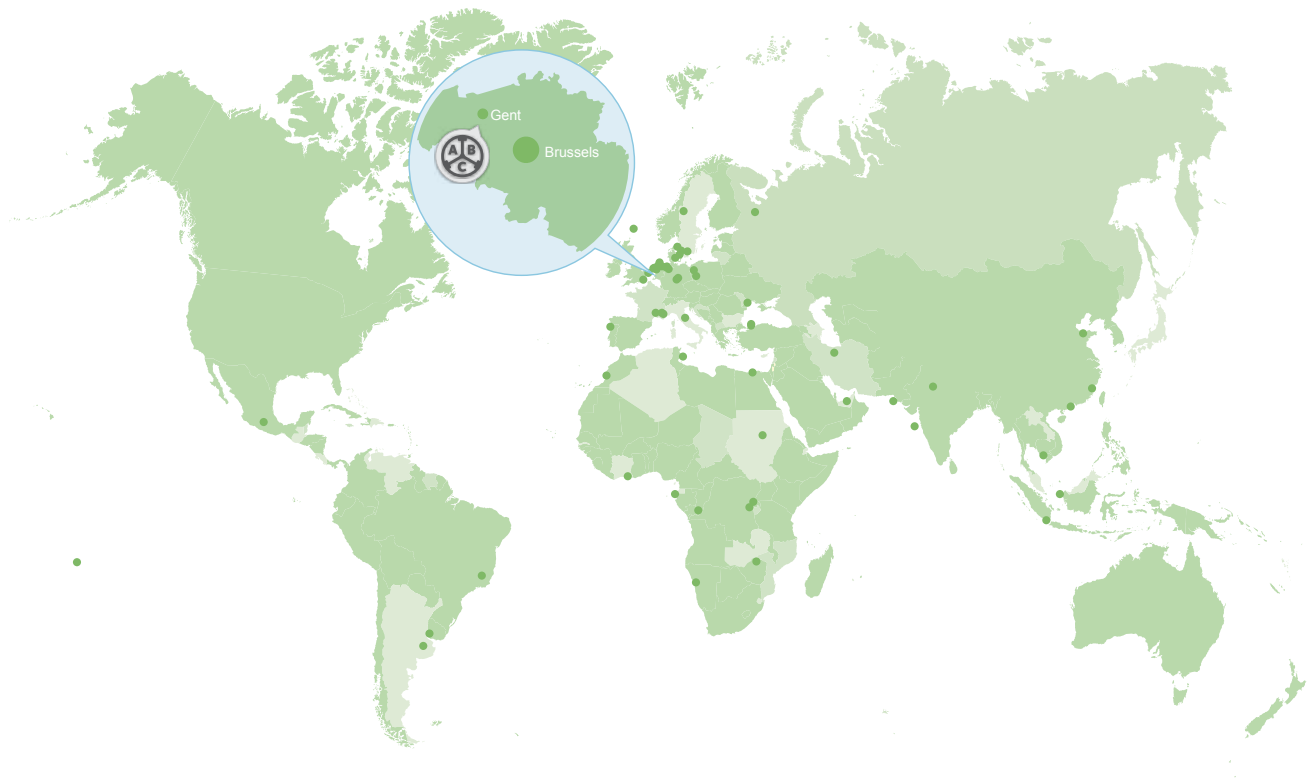
** Genset total mass depending on generator type and size

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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11 Service

America

3 Sales
2 Service

Asia

11 Sales
8 Service

Europe

32 Sales
33 Service

Oceania

1 Sales
1 Service

To find out more detailed information about our service and sales support, please visit our website www.abc-engines.com



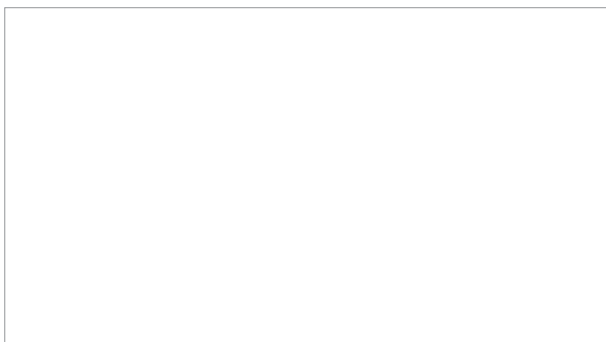
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