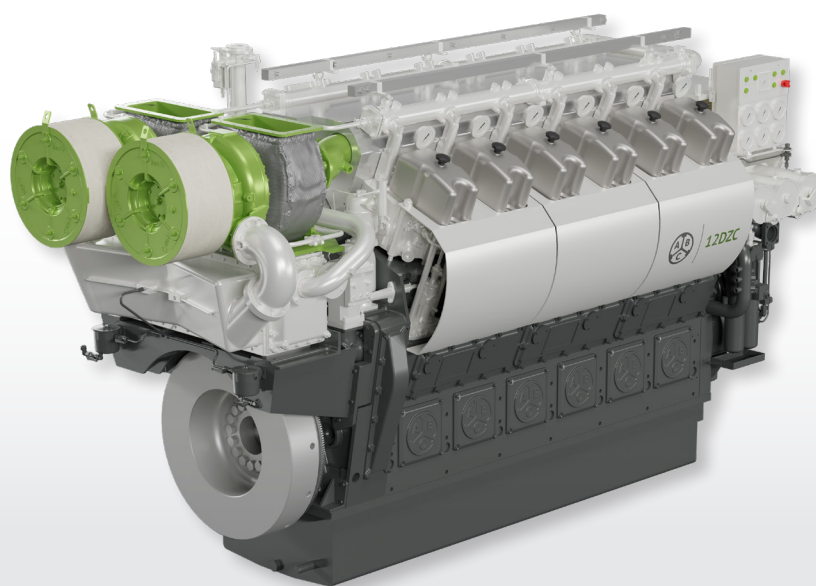




**ANGLO BELGIAN
CORPORATION**

We power your future

Datasheet



Engine type

12/16VDZ

Datasheet ABC diesel engines type VDZ

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

Definition

VDZ: Medium speed engine, turbocharged & intercooled, available in Anti-clock and Clock rotation. Can run on (bio)diesel, HVO, biofuels, heavy fuel, ... 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
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 compliance

Comply with all environmental requirements, such as IMO Tier II, IMO Tier III, EPA Tier 2, EPA Tier 3, EPA Tier 4, EU Stage V, ULEV, CARB.

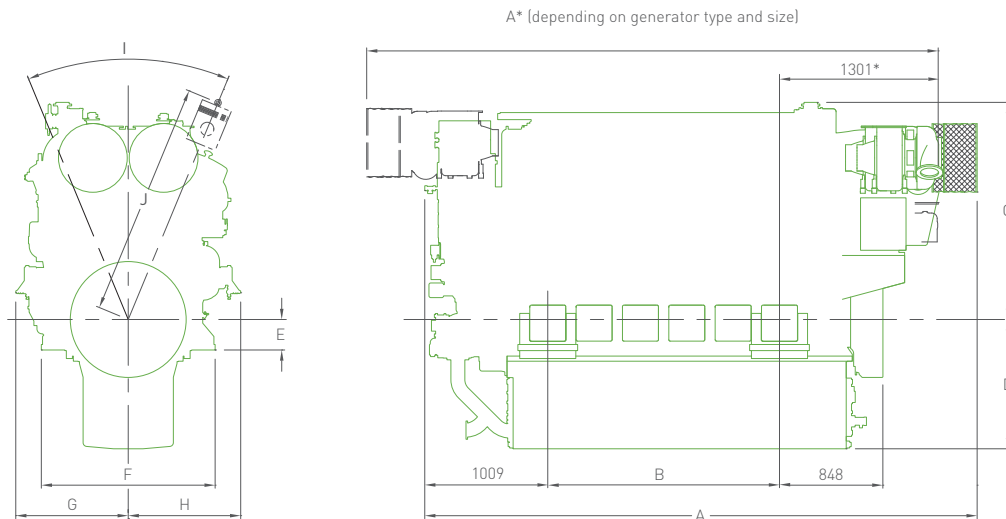
Power

Engine type	rpm	Engine power (ISO 3046 – I)		Nominal power of gensets VDZ			
		kW**	HP	50 Hz electric - 3 phase		60 Hz electric - 3 phase	
				P _W (kW)	P _n (kVA)	P _W (kW)	P _n (kVA)
12VDZ	720	2064	2804	-	-	1981	2477
12VDZ	750	2130	2894	2045	2556	-	-
12VDZ	800	2208	3000	-	-	-	-
12VDZ	900	2388	3245	-	-	2292	2866
12VDZ	900	2700*	3668	-	-	2592	3240
12VDZ	1000	2652	3603	2546	3182	-	-
12VDZ	1000	2800	3805	2688	3360	-	-
12VDZ	1000	3000*	4076	2880	3600	-	-
16VDZ	720	2752	3739	-	-	2642	3302
16VDZ	750	2840	3859	2726	3408	-	-
16VDZ	800	2944	4000	-	-	-	-
16VDZ	900	3184	4326	-	-	3057	3821
16VDZ	900	3600*	4891	-	-	3456	4320
16VDZ	1000	3536	4804	3395	4243	-	-
16VDZ	1000	3750	5095	3600	4500	-	-
16VDZ	1000	4000*	5435	3840	4800	-	-

* For special applications

** Features, performance and emissions may vary based on configuration, usage and operating conditions.

Conversion factors used: 1 metric HP = 0,736 kW → Generator efficiency: $\eta_g = 0,96$ → Power factor: $\cos \varphi = 0,8$

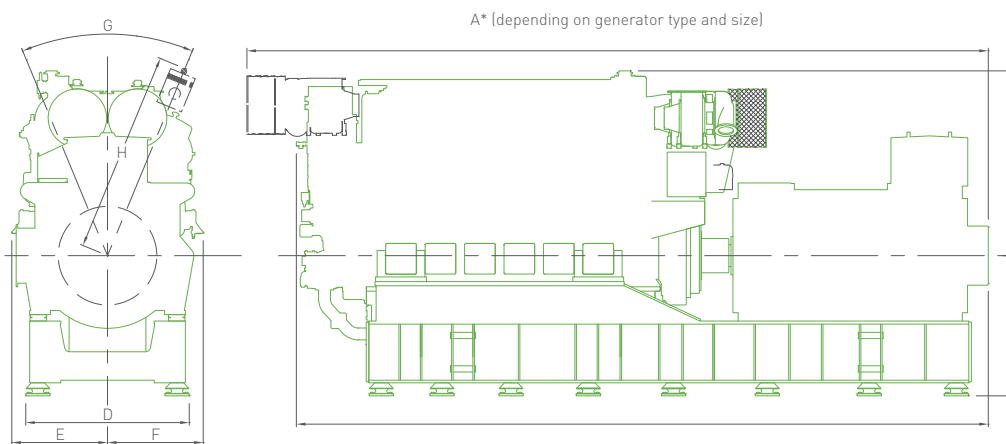


12/16VDZ engine

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

* Turbochargers at free end side

** Flywheel, vibration damper and coolers are included



12/16VDZ genset

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

* Turbochargers at free end side

** Genset total mass depending on generator type and size

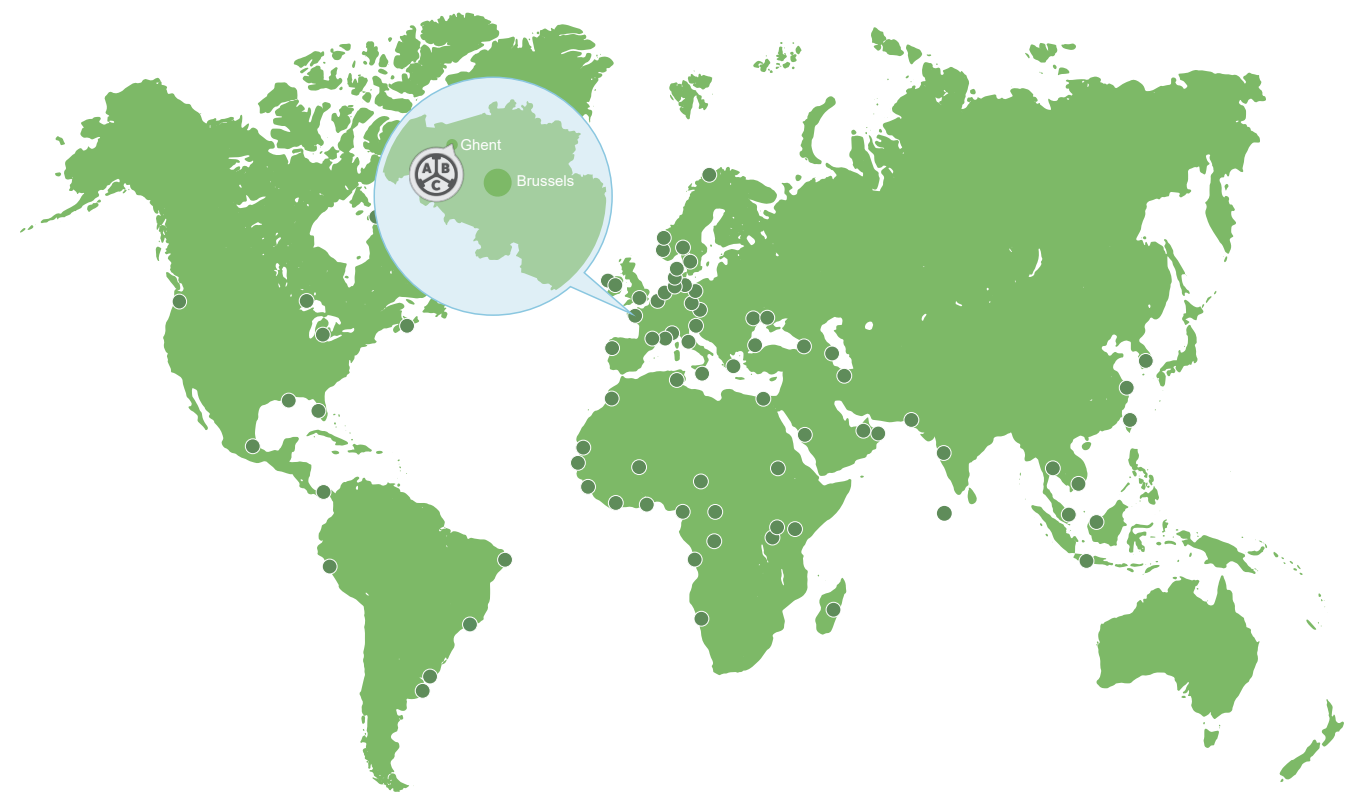
Features, performance and emissions may vary based on configuration, usage and operating conditions

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.



Service- and sales support worldwide



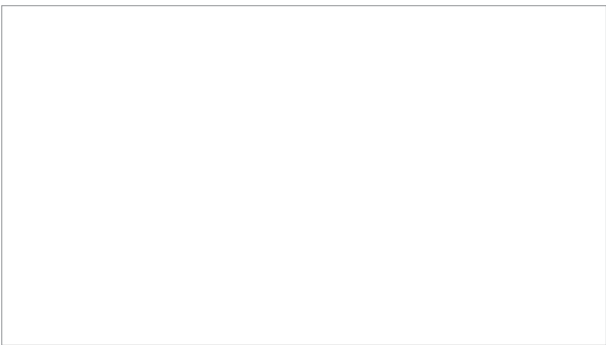
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