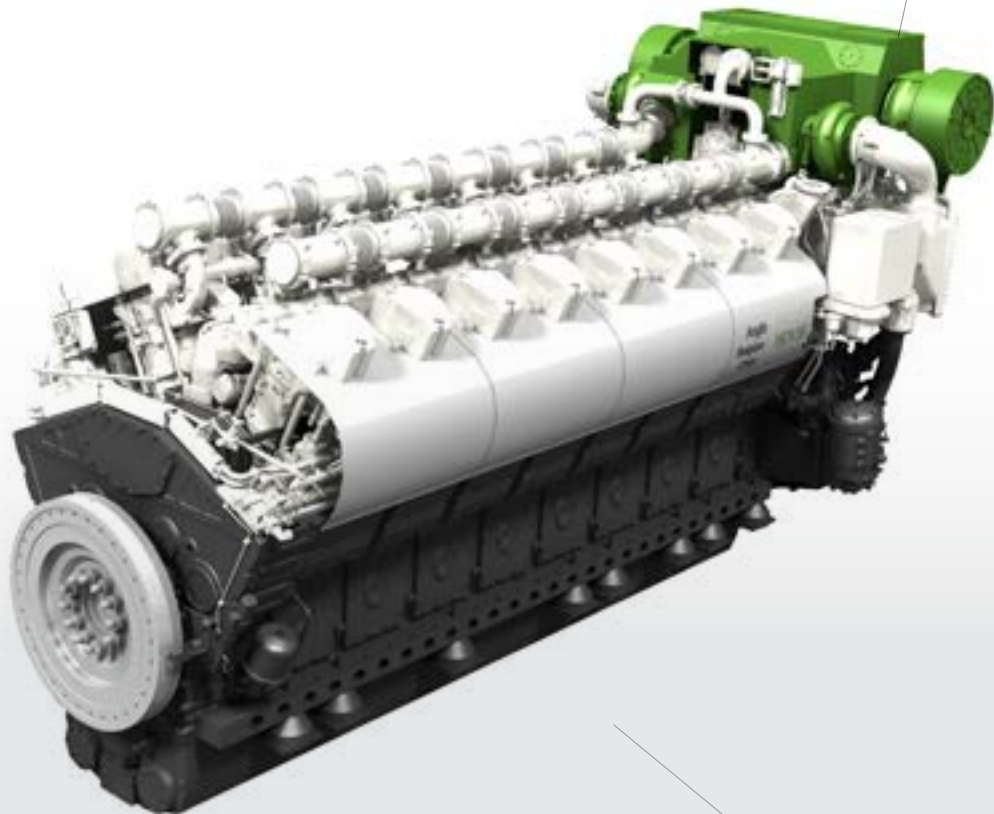




**ANGLO BELGIAN  
CORPORATION**

We power your future

## Datasheet



Engine type

**12/16DV36**

# Datasheet ABC diesel engines type DV36

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

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

## Definition

**DV36:** Medium speed engine, turbocharged & intercooled, available in Anti-clock and Clock rotation.

Runs on diesel, heavy fuel and bio-fuels.

## Basic data

Cycle	4 stroke, single acting
Cylinders	12-16 in V
Bore	365 mm
Stroke	420 mm
Swept volume	12 cylinders: 527,4 liters 16 cylinders: 703,1 liters
Compression ratio	15,5 : 1
Injection	Direct, mechanical, one pump per cylinder
Brake mean effective pressure	24,0 bar
Piston speed	10,5 m/s (at 750 rpm)
Charging system	2 stage charging

## Emission

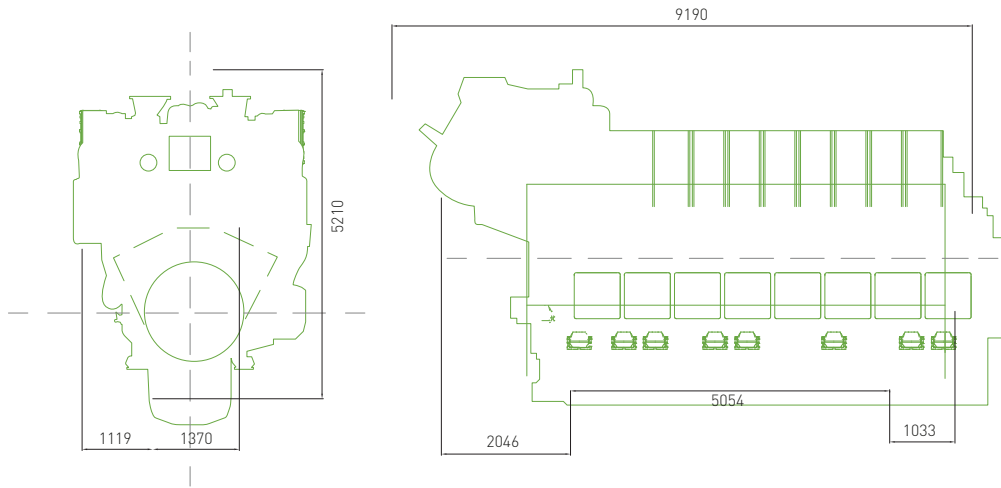
Comply with all environmental requirements, such as IMO TIER 2 / TIER 3.

## Power

Engine type	rpm	Engine power (ISO 3046 - I)		Nominal power of gensets DV36			
		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)
12 DV36-600	600	6328 *	8604	6075	7594	6075	7594
12 DV36-720	720	7594 *	10325	---	---	7290	9113
12 DV36-750	750	7910 *	10755	7594	9493	---	---
16 DV36-600	600	8438 *	11472	8100	10125	8100	10125
16 DV36-720	720	10125 *	13766	---	---	9720	12150
16 DV36-750	750	10547 *	14340	10125	12656	---	---

\* Higher power ranges are available for emergency genset applications.

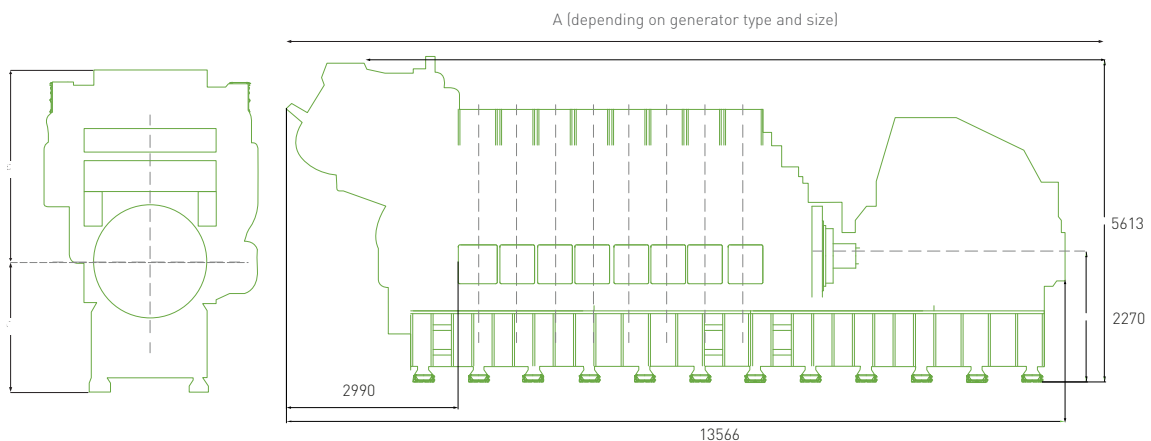
**Conversion factors used:** 1 metric HP = 0,736 kW → Generator efficiency:  $\eta_g = 0,96$  → Power factor:  $\cos \varphi = 0,8$



## 12/16DV36 engine

	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Dry mass* (kg)
<b>12DV36</b>	7746	6439	3343	1490	745	1705	1860	1850	1850	90500
<b>16DV36</b>	9190	7883	3343	1490	745	1705	1860	1850	1850	108000

\* Flywheel, vibration damper and coolers are included



## 12/16DV36 genset

	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Dry mass* (kg)
<b>12DV36</b>	12122	3343	2270	2026	1918	1853	3343	145500
<b>16DV36</b>	13566	3343	2270	2026	1918	1853	3343	163000

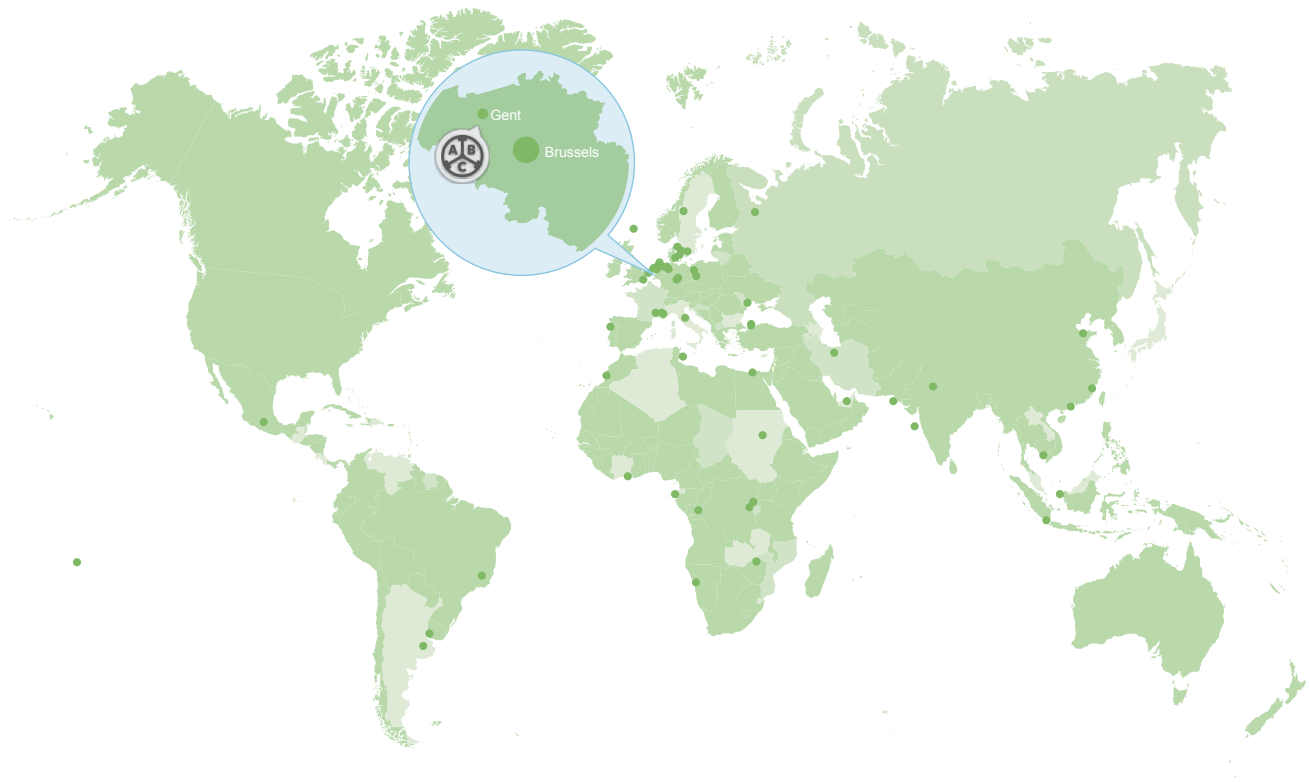
\* Genset total mass depending on generator type and size

## About classification

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



## Service- and sales support worldwide



Africa	America	Asia	Europe	Oceania
12 Sales	3 Sales	11 Sales	32 Sales	1 Sales
11 Service	2 Service	8 Service	33 Service	1 Service

To find out more detailed information about our service and sales support, please visit our website [www.abc-engines.com](http://www.abc-engines.com)



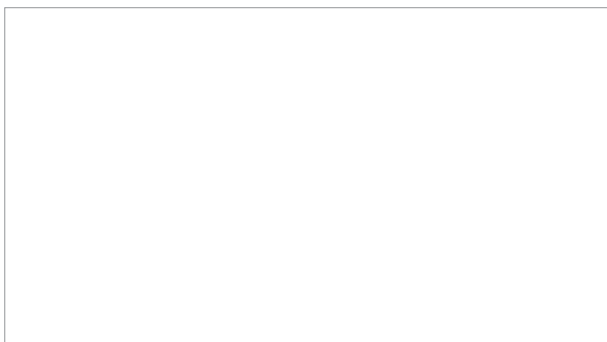
### Contact details

Anglo Belgian Corporation  
Wiedauwkaai 43  
9000 Ghent ( Belgium )

**T** +32 (0)9 267 00 00  
**F** +32 (0)9 267 00 67  
**E** [info@abc-engines.com](mailto:info@abc-engines.com)

[www.abc-engines.com](http://www.abc-engines.com)

Member of the **Ogepar group**



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