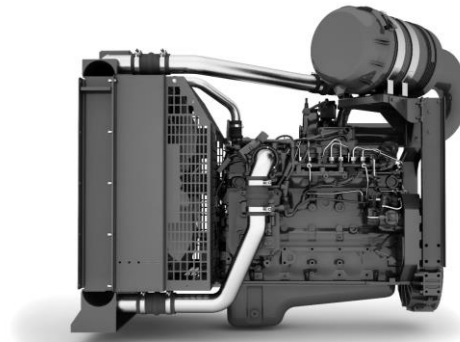




# B6.7-G17

EU Stage V and Tier 4 Final



## Description

The new Cummins G-Drive engines are designed with next generation aftertreatment technology, providing an optimised solution to meet EU Stage V, and US Tier 4 Final emissions. This unique and simplistic design brings an improvement in reliability and fuel economy, as well as longer intervals for scheduled maintenance.

**Air Control Throttle** Reduced operator interface, intake throttle for increased thermal management capability. Aftertreatment specification capable of low load operation up to -25° C.

**Cooling System** 50°C LAT capability with noise optimized fan.

**Air Cleaner** Normal and heavy-duty air cleaner options.

## Features

**Integrated Aftertreatment Design.** Full single module (DOC/DPF/SCR) with compact size for reduced installation impact. Industry leading DPF technology expertise with best in class reliability and service intervals.

**EGR-Free Design** (supported by better NOx conversion performance) allows a higher sulphur tolerance for global capability and puts the B6.7 and L9 on par with lower emissions level engines. A streamlined design also delivers a significant reduction in installation complexity and cost.

**Improved Performance** Higher power density (vs Tier 4F). Meets ISO 8528 transient and steady state performance.



This engine has been designed in facilities certified to ISO9001 and manufactured in facilities certified to ISO9001 or ISO9002.

This equipment has been designed and tested to meet EU product safety regulations. Material compliance declaration is available upon request

## 1500 rpm (50 Hz ratings)

Gross engine output			Net engine output			Typical generator set output					
Standby	Prime	Base	Standby	Prime	Base	Standby (ESP)		Prime (PRP)		Base (COP)	
kWm/BHP			kWm/BHP			kWe	kVA	kWe	kVA	kWe	kVA
160/214	145/195	131/175	147/197	133/178	119/160	137	171	124	155	111	139

## 1800 rpm (60 Hz ratings)

Gross engine output			Net engine output			Typical generator set output					
Standby	Prime	Base	Standby	Prime	Base	Standby (ESP)		Prime (PRP)		Base (COP)	
kWm/BHP			kWm/BHP			kWe	kVA	kWe	kVA	kWe	kVA
183/245	166/223	149/200	167/224	152/204	135/181	155	194	141	176	125	157

## General engine data

Fuel Rating	FR97284
Type	Inline 4-Cycle Diesel, Turbocharged & Charge Air Cooled
Bore mm	107mm (4.21in.)
Stroke mm	124mm (4.88in.)
Displacement litre	6.7L (409 in <sup>3</sup> )
Cylinder block	Cast Iron, 6 cylinder
Battery charging alternator	70A/95A (for 24V) 100A (for 12V)
Starting voltage	12/24V
Fuel system	Bosch HPCR
Fuel filter	Spin-on, full flow with water separator and WIF sensor
Lube oil filter type(s)	Spin-on, full flow filter
Lube oil capacity (l)	19.6
Flywheel dimensions	SAE 2/11.5

## Coolpac performance data

Cooling system design	Jacket Water and Charge Air Cooled
Coolant ratio	50% ethylene glycol; 50% water
Coolant capacity (l)	14.64
Limiting ambient temp.** (°C)	56.7 @ 60Hz / 47.5 @ 50Hz
Fan power (kWm)	13.1 (60Hz) / 10.4 (50Hz)
Cooling system air flow (m <sup>3</sup> /s)**	5.74 (60Hz) / 4.77 (50Hz)
Air cleaner type	Normal and Heavy-duty dry replaceable element options with restriction indicator and TBAP sensor

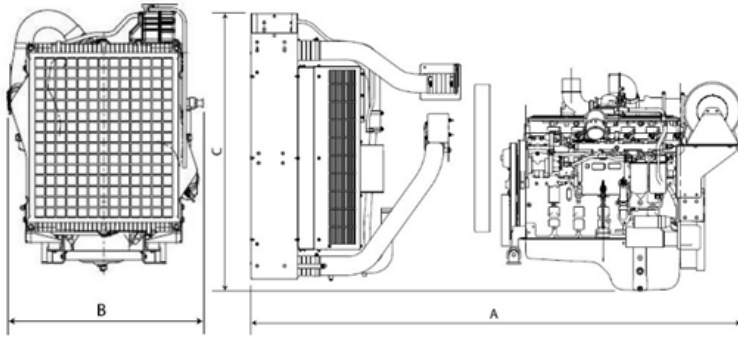
\*\* @ 0.5" H2O

## Fluid consumption 1500 (50 Hz)

Output Power			Fuel		DEF
%	kWm	BHP	L/hr	US Gal/hr	L/hr
<b>Standby Power</b>					
100	160	214	37	9.8	4.7
<b>Prime Power</b>					
100	145	195	34	8.9	3.9
75	109	146	25	6.7	2.5
50	73	98	18	4.7	1.7
25	36	49	10	2.7	0.7
<b>Continuous Power</b>					
100	130	175	30	8.0	3.6

## Fluid consumption 1800 (60 Hz)

Output Power			Fuel		DEF
%	kWm	BHP	L/hr	US Gal/hr	L/hr
<b>Standby Power</b>					
100	183	245	43	11.2	4.5
<b>Prime Power</b>					
100	166	223	38	10.1	4.2
75	125	167	29	7.7	3.0
50	83	112	20	5.4	1.9
25	42	56	12	3.2	0.4
<b>Continuous Power</b>					
100	149	200	35	9.2	3.8



Note: Drawing shown for illustration purposes only

## Weights and dimensions

Length mm	Width mm	Height mm	Weight (dry) kg
1518	983	1343	697.3

## Ratings definitions

Emergency Standby Power (ESP):	Limited-Time Running Power (LTP):	Prime Power (PRP):	Base Load (Continuous) Power (COP):
Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.	Applicable for supplying power to a constant electrical load for limited hours. Limited-Time Running Power (LTP) is in accordance with ISO 8528.	Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.	Applicable for supplying power continuously to a constant electrical load for unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN6271 and BS 5514.

For more information contact your local Cummins distributor or visit [cummins.com](http://cummins.com)

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