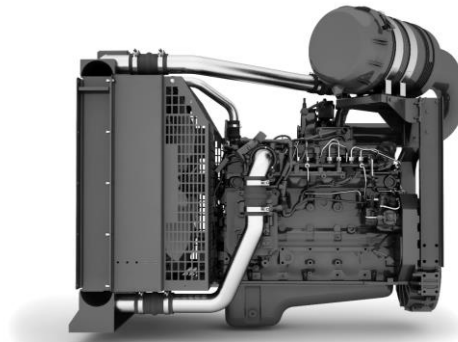




B6.7-G18

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
216/290	197/264	177/237	202/271	185/248	165/221	188	235	172	216	154	192

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
237/318	216/289	194/260	220/295	202/271	180/241	205	256	188	234	167	209

General engine data

Fuel Rating	FR97283
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 ³)
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 ³ /s)**	5.74 (60Hz) / 4.77 (50Hz)
Air cleaner type	Normal and Heavy-duty dry replaceable element options with restriction indicator and TBAP sensor

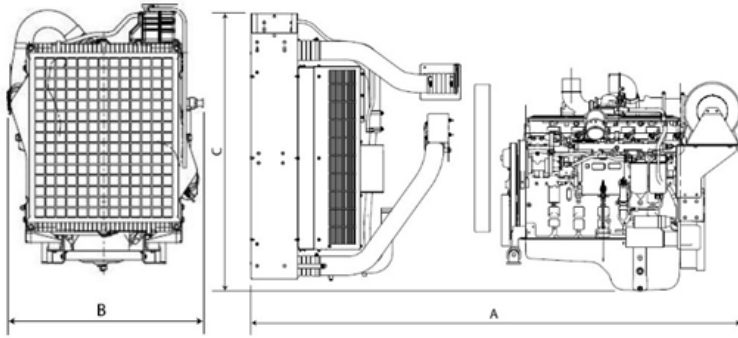
** @ 0.5" H2O

Fluid consumption 1500 (50 Hz)

Output Power			Fuel		DEF
%	kWm	BHP	L/h	US Gal/hr	L/h
Standby Power					
100	216	290	51	13.6	5.9
Prime Power					
100	197	264	46	12.2	5.3
75	148	198	34	8.9	3.7
50	98	132	23	6.1	2.1
25	49	66	14	3.7	1.0
Continuous Power					
100	177	237	41	10.8	4.7

Fluid consumption 1800 (60 Hz)

Output Power			Fuel		DEF
%	kWm	BHP	L/h	US Gal/hr	L/h
Standby Power					
100	237	318	57	15.0	6.1
Prime Power					
100	216	289	51	13.5	5.3
75	162	217	37	9.8	4.2
50	108	145	26	6.7	2.3
25	54	72	14	3.8	0.8
Continuous Power					
100	194	260	45	11.9	1.3



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

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