
Six Cylinder Engines Make a Comeback

Description

Mercedes-Benz has announced a significant shift in its engine offerings with the introduction of the GLC 53, featuring a turbocharged 3.0-litre inline-six engine. This move responds to previous critiques regarding the brand's reliance on four-cylinder engines in some AMG models, particularly the GLC 43 and 63.

The GLC 53's engine, designated as "M256M", has been enhanced to produce 443 lb-ft (600 Newton-meters) of torque, marking an increase of 30 lb-ft (41 Nm) compared to the CLE 53 variant. An overboost function allows for a temporary torque increase to 472 lb-ft (640 Nm) for a duration of 10 seconds. This updated engine incorporates a revised cylinder head, a new intake camshaft, an advanced intercooler, and an enhanced intake system.

In terms of design, the GLC 53 will be available as a "Coupe," characterised by its sloped roofline, appealing to consumers prioritising aesthetics over practicality. Both the traditional and Coupe variants can accelerate from 0 to 60 mph (96 km/h) in just 4.1 seconds, reaching a top speed of 167 mph (270 km/h) when equipped with the AMG Dynamic Plus Package. Additionally, a new exhaust system aims to provide a more robust auditory experience, featuring "special resonators."

An advanced nine-speed torque-converter automatic transmission delivers power to all four wheels and can be complemented by an optional electronically limited-slip differential. Notably, this model introduces drift mode, a feature that enhances driving performance for enthusiasts, albeit at an additional cost.

Mercedes has not yet disclosed pricing, but the GLC 53 is expected to be positioned between the GLC 43, priced at \$68,900, and the GLC 63, which starts at \$88,100.

Vocabulary List:

1. **Turbocharged** /'tɜːr.bʊʃ,tʃɑːrdʒd/ (adjective): Equipped with a turbocharger to increase engine power.
2. **Torque** /tɔːrk/ (noun): A measure of the rotational force exerted by an engine.
3. **Variant** /'ver.i.ənt/ (noun): A version of something that differs in some way from others.
4. **Intercooler** /'ɪn.tər.kuː.lər/ (noun): A component that cools the air between the turbocharger and the engine.
5. **Aesthetics** /es'θetɪks/ (noun): The set of principles concerned with the nature and appreciation of beauty.
6. **Differential** /,dɪf.ə'ren.ʃəl/ (noun): A gear that allows for differences in wheel rotation especially during turns.

Comprehension Questions



Multiple Choice

1. Which engine is featured in the Mercedes-Benz GLC 53?
Option: Four-cylinder
Option: Inline-six
Option: V8
Option: V6
2. What is the torque output of the GLC 53 engine?
Option: 600 lb-ft
Option: 443 lb-ft
Option: 472 lb-ft
Option: 500 lb-ft
3. What is the top speed of the GLC 53 when equipped with the AMG Dynamic Plus Package?
Option: 160 mph
Option: 167 mph
Option: 175 mph
Option: 180 mph
4. Which feature enhances driving performance for enthusiasts in the GLC 53?
Option: Eco mode
Option: Drift mode
Option: Comfort mode
Option: City mode
5. What is the acceleration time from 0 to 60 mph for the GLC 53?
Option: 3.9 seconds
Option: 4.1 seconds
Option: 4.5 seconds
Option: 5.0 seconds
6. Which models were criticized for their reliance on four-cylinder engines?
Option: GLC 53 and 63
Option: GLC 53 and Coupe
Option: GLC 43 and 63
Option: GLC 43 and Coupe



True-False

7. The GLC 53 features a V8 engine.
8. The GLC 53
9. The GLC 53 can temporarily boost torque to 600 lb-ft.
10. The GLC 53 comes standard with drift mode.
11. The GLC 53 pricing is known to be lower than the GLC 63.
12. The GLC 53 introduces an electronically limited-slip differential.

Gap-Fill

13. The GLC 53 reaches a top speed of _____ mph when equipped with the AMG Dynamic Plus Package.
14. The GLC 53 is expected to be priced between \$68,900 and \$ _____.
16. The GLC 43 model was criticized for relying on _____ engines.
17. The overboost function in the GLC 53 allows torque to increase to _____ lb-ft for 10 seconds.

Answer

Multiple Choice: 1. Inline-six 2. 443 lb-ft 3. 167 mph 4. Drift mode 5. 4.1 seconds 6. GLC 43 and 63

True-False: 7. False 8. False 9. False 10. False 11. True 12. True

Gap-Fill: 13. 167 14. 88,100 16. four-cylinder 17. 472

Vocabulary quizzes



Multiple Choice (Select the Correct answer for each question.)

1. What type of engine boosts power using a turbine?
Option: Turbocharged
Option: Intercooler
Option: Differential
Option: Suspension

2. What component is responsible for transferring power from the engine to the wheels?
Option: Auditory
Option: Transmission
Option: Negotiating
Option: Capitulate

3. Which part of a vehicle allows the wheels to rotate at different speeds?
Option: Ramifications
Option: Differential
Option: Persistent
Option: Myriad

4. What system in a vehicle absorbs shocks from the road?
Option: Escalating
Option: Indicate
Option: Suspension
Option: Retaliatory

5. Which term means significant or considerable?
Option: Auditory
Option: Substantial
Option: Negotiating
Option: Cooperative

6. Which term refers to reaching an agreement through discussion?
Option: Consequence
Option: Surpassed
Option: Negotiating
Option: Disrupt

7. What word means to point out or show?
Option: Allure
Option: Caution
Option: Indicate



Option: Tensions

8. Which term refers to the result or outcome of an action?

Option: Interventions

Option: Consequence

Option: Pertinent

Option: Exasperation

9. What term means to surrender or give in?

Option: Capitulate

Option: Retaliatory

Option: Cooperative

Option: Dubious

10. Which word describes a situation that is increasing in intensity or severity?

Option: Persistent

Option: Escalating

Option: Surpassed

Option: Controversial

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. The _____ system is responsible for processing sound.

12. Success in any field requires hard work and a _____ effort.

13. The new fashion line has an _____ that attracts many customers.

14. The country warned of _____ action if attacked.

15. There are a _____ of options to choose from when selecting a new car.

16. His explanation for being late seemed _____ to his boss.

17. It is important to focus on the most _____ information in your report.

18. The new policy sparked _____ debates among the employees.

19. Political _____ are rising between the two neighboring countries.

20. He was known for being a very _____ team player.



Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. The engine's ability to rotate an object around an axis is known as .
22. Accessing the system without permission is considered .
23. The decision had significant for the company's future.
24. The team all expectations by winning the championship.
25. The school implemented various to help struggling students.
26. Drivers should proceed with in slippery road conditions.
27. The success of the campaign throughout the industry.
28. The conflict showed signs of tension between the two groups.
29. The protest aimed to the normal flow of operations.
30. The team members were praised for their efforts to achieve the common goal.

Answer

- Multiple Choice:** 1. Turbocharged 2. Transmission 3. Differential 4. Suspension 5. Substantial 6. Negotiating
7. Indicate 8. Consequence 9. Capitulate 10. Escalating
- Gap-Fill:** 11. Auditory 12. Persistent 13. Allure 14. Retaliatory 15. Myriad 16. Dubious 17. Pertinent
18. Controversial 19. Tensions 20. Cooperative
- Matching sentence:** 1. Torque 2. Unauthorised 3. Ramifications 4. Surpassed 5. Interventions 6. Caution
7. Reverberates 8. Escalating 9. Disrupt 10. Cooperative

CATEGORY

1. Business - LEVEL6

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