

00 — Exhaust Gas Test Values

Gasoline Injection Engines 230 SL, 250 SL, 250 SE, 250 E/8 300 SE/C, 300 SEB, 300 SEL

Measuring points ¹⁾		Exhaust gas values ¹⁾
on the roller test stand	during operation	% CO % SUN
Full load ²⁾ n = 3000 rpm in 3rd gear	Full load ²⁾ n = 3000 rpm in 3rd gear	2.0—4.0 83.5—80
Lower partial load ³⁾ 50 km/h in 4th gear at 10 PS load	Lower partial load ³⁾ n = 1500 rpm in 3rd gear and 300 mm Hg vac.	1.5—3.0 — ⁶⁾
Upper partial load ⁴⁾ 100 km/h in 4th gear at 23 PS load	Upper partial load ⁴⁾ n = 2500 rpm in 3rd gear and 300 mm Hg vac.	0.2—1.5 — ⁷⁾
Idle speed ⁵⁾	Idle speed ⁵⁾	3.5—4.5 80.5—79

Gasoline Injection Engines 280 SE/8, 280 SL/8, 300 SEL/8

Full load ²⁾ n = 3000 rpm in 3rd gear	Full load ²⁾ n = 3000 rpm in 3rd gear	2.0—4.0 83.5—80
Lower partial load ³⁾ 50 km/h in 4th gear at 10 PS load	Lower partial load ³⁾ n = 1500 rpm in 3rd gear and 300 mm Hg vac.	1.5—3.0 —
Upper partial load ⁴⁾ 100 km/h in 4th gear at 23 PS load	Upper partial load ⁴⁾ n = 3000 rpm in 3rd gear and 300 mm Hg vac.	0.2—1.5 —
Idle speed ⁵⁾	Idle speed ⁵⁾	3.5—4.5 80.5—79

First, proceed in accordance with all measuring points in the sequence listed. In case of deviations, correct acc. to foot notes ²⁾ to ⁵⁾ and again check the adjusted values.

Note: Prior to each measurement on the **performance test stand**, check the tire pressures of the rear wheels in vehicles up to 170 PS and correct. In vehicles of more than 170 PS, inflate tire pressure to 4 kp/cm².

For extended measurements on the chassis dynamometer which exceed the normal scope, be sure to increase the tire pressure in each case (for vehicles up to 170 PS to 3 kp/cm²).

The chocks must be placed **about 5 cm in front of the front wheels** so that the flat part does not directly rest underneath the front wheels. The vehicle must be able to climb slightly on the front wheels, since otherwise the transmission of a high torque is not possible and the tires will slip.

¹⁾ Refer to foot note ¹⁾ on page 131.

²⁾ ³⁾ ⁴⁾ Refer to foot notes ²⁾ ³⁾ ⁴⁾ on page 131.

⁵⁾ For specified idle speeds refer to pages 138 and 139.

⁶⁾ For types 230 SL and 250 E/8 0.5 to 2.0 % CO.

⁷⁾ For type 250 E/8 0.5 to 1.5 % CO.