

## GAZAILE 2 real performance

We put this document together because no one seems to believe the performances we claim. This is not because lots of people cheats on the figures in commercial documentations that we have to do it! What for? We've got nothing to sell, and yes the performance are incredible... but actually true and easily confirmable.

Here are a series of photos where you can read the actual numbers on the small digital display and clock.

The flight conditions were:

- Weight 1000 pounds
- Wind 210 / 8 knots
- Active runway 25
- QNH 1005 mb (29.68 inHg)
- Temperature 20°C (68°F).



The picture above shows that after about 7 seconds (round clock under the aircraft registration) after applying full throttle the engine delivers 48hp at 4302 rpm.

Speed reads 35km/h (22 mph, 19 kt) at the top left on display.

Next to the speed the altitude reads 318ft.

16 secondes 58 pour arriver à la VR 100 km/h 210 m parcouru



Above: The rotation speed is reached after 16''58 and a 688ft takeoff roll. Note: Variometer should read 0 but it shows an offset of 100 feet and reads -0.1.

Montée initiale à 130 km/h 46 cv  
800 pieds /mn



Initial climb: 800 ft/mn at 70 knots, the engine delivers 46 hp (4065 rpm).

Montée normale à 150, volet en lisse, réduction de puissance  
puissance entre 650 et 700° échappement

on ne peut plus avoir la puissance sur les courbes  
moteur car ces courbes sont faites plein gaz  
on parle donc en T° échappement qui  
est liée à la puissance comme  
la PA sur un mot essence



Power reduced (3939 rpm), zero flaps, and normal climb 500 ft/mn at 81 kt.

The power is deduced from the exhaust temperature on a diesel because the intake pressure always fully open. The temp reads 673°C (1243°F).

Montée à 700°





Level flight, the engine delivers 36 or 37 hp, 65% power 7.5 l/h (1.98 USG) at 220 km/h (119 knots).



Economic speed, for the sake of a relaxing flight, 175k/h (94.5 knots) from 5 to 5.5 l/h (from 1.32 to 1.45 USG).

**Average consumption calculated for 100 h is 5,67 l/h (1.50 USG).**



Approaching speed: 86 knots, 3,8 l/h (1 USG).