

Manual ME 309 Hacker



Hacker ME 309 Item no. 66000000, 66000001, 660000002, 66000003; Manual V1.0

Caution, Safety first:

This model is not a toy. Abuse may result in severe injury. Beware of the rotating prop, keep distance. Only use on official flying fields and follow the general and local laws. Perform a range test prior to every flight. Check on all r/c functions and make sure your batteries are fully charged.

Based on the model of:

The Me 309 was planned in 1940 basing on the evolution of the well known Me 109 from Messerschmitt. The main differences were the wider landing gear and the glass cockpit. Two motors with more than 1700hp were in preparation, the DB603 and the Jumo 213.

The maiden flight of the first prototype was on July 18th 1942. The Me309 was faster than the 109G and could make more altitude. Only 4 flying Me 309 have ever been manufactured.

Technical Details:

Length: 9,46m

Wingspan: 11,04m

Height: 3,90m

Wing Area: 16,6m²

Weight: 3530kg

Weight loaded: 4250kg

Motor: 1x Daimler-Benz DB 603G; 1308kW

Max. Speed: 733km/h

Max. Flight distance: 1100km

Max. Flight height: 12000m

The model:

We proudly present our first own Hacker high end r/c model aircraft. Instead of designing another Extra, YAK or Kantana we have made our choice for this exotic airplane. The Me 309 is now available from Hacker.

This extraordinary model aircraft is the result of passion driven Christian Hoffmann's overtime working, one of Hacker's high skilled employees. He designed and built his first Me 309 more than 15 years ago.

Spending almost the entire winter season on research, design and assembling, his unique model has inspired people on just any event. Christian has improved and finalized his design for maximum performance and scale appearance.

It comes preassembled and beautifully built in balsa wood technology. Due to the precise manufacturing and the low weight, the flight characteristics of this Me 309 are very balanced and smooth. In combination with the outstanding Hacker Q80 brushless motor, this r/c aircraft performs incredibly powerful.

The retracts, the landing flaps and the scale assembly make it a pro kit that requires some experience in building, set up and flying.

Fly something outstanding, a war bird that nobody has yet and enjoy the looks of this wonderful Me 309.

Before you start with assembly, unpack each part and inspect for potential damage. Focus on fuselage, wings, aileron and controller. Should you find faulty or missing parts, please contact your retailer.

Folds may be removed by using an iron. Pay attention to the areas in which the material interleaves in order to prevent material from peeling off.

Technical Details model:

Wingspan: 218cm

Length: 196cm

Weight incl. Battery: ~7,3kg

Semi Scale: 1:5

RC-Functions:

Aileron, elevator, rudder, flaps, retract gear, motor

Recommended set up for best performance:

- 10S Lipo Setup
- Q80-11S 28pole
- MasterBasic 90 Opto
- APC Thin Electric 21x14
- 2x TopFuel Hacker 30C 4500mAh 5S Light

Required RC equipment:

Servos:

- Elevator: 2x Savöx Digital SH-1250MG
Dimensions: 35,0 x 15,0 x 29,2mm Torque: 46Ncm - 6,0 Volt
- Rudder: Savöx Digital SC-0254MG
Dimensions: 40,7 x 20,0 x 39,4mm Torque: 72Ncm - 6,0 Volt
- Aileron: 2x Savöx Digital SH-1250MG
Dimensions: 35,0 x 15,0 x 29,2mm Torque: 46Ncm - 6,0 Volt
- Flaps: 2x Savöx Digital SC-0254MG
Dimensions: 40,7 x 20,0 x 39,4mm Torque: 72Ncm - 6,0 Volt
- Retract gear: Savöx Digital SC0254MG
Dimensions: 40,7 x 20,0 x 39,4mm Torque: 72Ncm - 6,0 Volt
- Front gear: Savöx Digital SC-0254MG
Dimensions: 40,7 x 20,0 x 39,4mm Torque: 72Ncm - 6,0 Volt

RX:

- Jeti Duplex 2,4EX R10 up to R18

Power source RC:

- Jeti SBEC (output Voltage set to 6Volts) Item No. 22985471

Additional accessories, tools, adhesives:

- 5min-Epoxyd
- Superglue thin
- driller
- Sandpaper
- Siliconoil
- screwdrivers
- drillmachine
- Multi Tool
- Cutter knife
- pen, ruler etc.

Assembly of the model:

Find a CD included with a lot of pictures that will show all assembling steps and many practical tips. Please have a look at all steps in the picture manual and then begin the completion of your Me309.

Tip for smartphone user: *download the manual from*

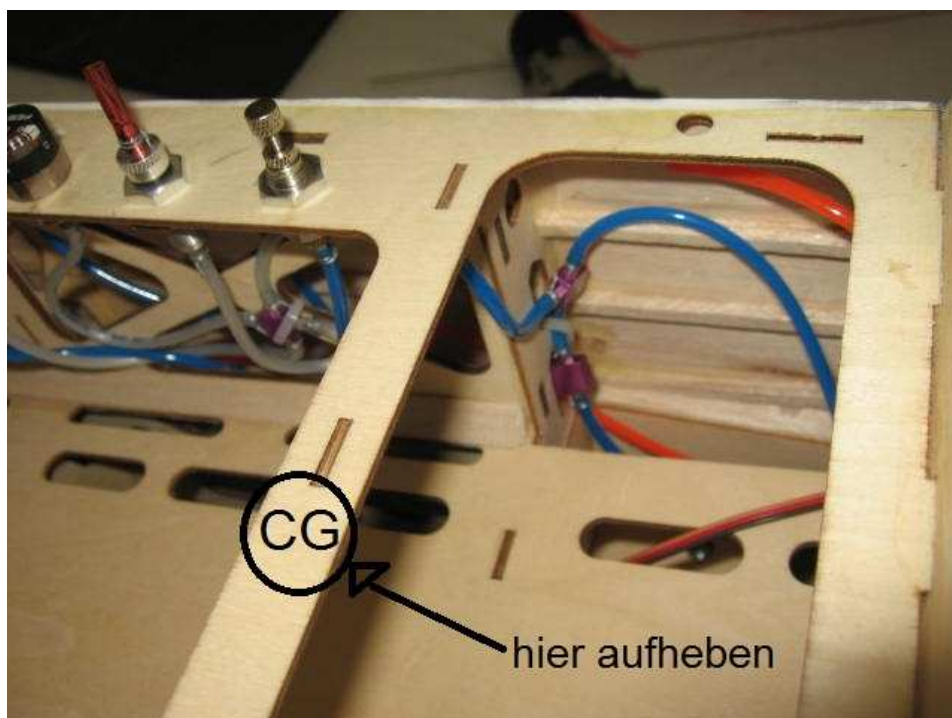
<http://www.hacker-motor.com/de/downloads/index.html> to your smartphone and you have got all steps and pictures for building the ME309 without printing (save recources).

RC-Settings:

- Elevator: +/- 18mm
- Rudder: +/- 40mm
- Aileron: up 25mm, down 20mm
- Flap: down 100mm
- measure at the widest part of the steering surface

Center of gravity:

Lift the fully assembled model (incl. the battery) **without the canopy** at the marked position (CG). The Me 309 should drop the nose.



Note: Never perform full throttle nose dives (swoops). This aircraft must be flown just as the full size version. Exceeding maximum speeds may destroy the model.

And now have fun and enjoy your all new Me 309.

Warranty information:

Hacker warrants this kit to be free from defects in terms of material and assembly at the date of purchase. This warranty does not cover damage that has occurred due to modification or misuse and in no case will it exceed the material cost of this kit. Hacker preserves its right to change the terms of warranty without further notice.

Hacker will not be liable for any damage that stands in any context with the use of this model, as Hacker cannot control the assembly and its used components.

Should you not accept this term of liability, please return this kit to your retailer.



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