



GRIFF

AVIATION



GRIFF/135 - 4 motors



The Griff 135 can operate in the following conditions:

Wind	Max. 15m/s (18m/s gust)
Temperature	-20°C to 40°C (-4°F to 104°F)
Humidity	0-80%RH
Height/Altitude	0-1500m above MSL
Charging of batteries (ambient temperature)	0°C to 40°C
Range:	5-7km, In-line of sight (depending set-up)
Duration:	25-30 min. flying (depending environment)
Speed:	50 to 60km/h optimal (max speed 90km/h)

Technical Specifications

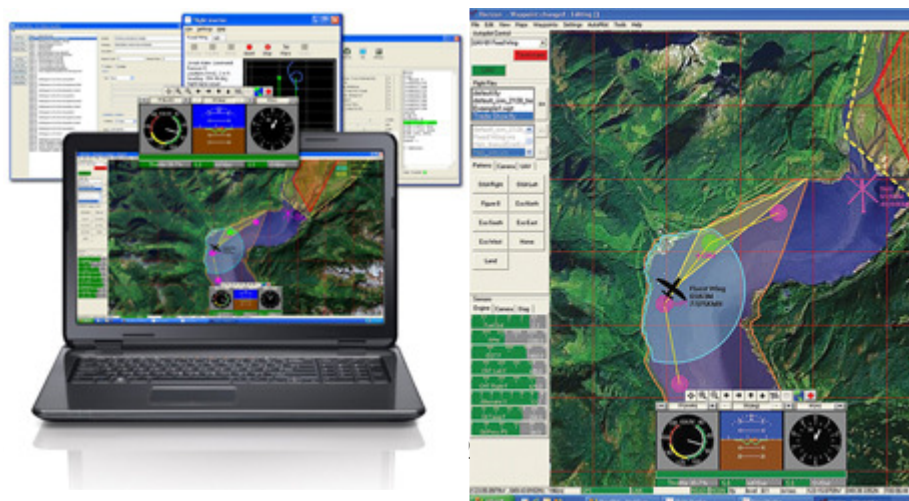
Configuration	Quadcopter 4 motor
MTOW	135 kg
Empty weight	70 kg
Optional landing gear	Skids with suspension 2 kg
Motor	11 Kw
Propeller	42x22-inch foldable blades 3 blades per motor
Flight controller	MicroPilot 2128 ^{HELI-LRC2}
Ground station software	Horizon ^{mp}
Ground station tablet	Optional, single or dual screen
Remote control	Jeti DC-16
Radio link	Micro Hard Pmddl 2450 2,4Ghz
Battery	Murata VTC6 18650, 14S22P Li-Ion Battery, 50.4V
Battery capacity	6 Kwh
Charge time	Approx. 60 min
Dimensions folded (Length/Width/Height)	1510*760*525mm
Dimensions unfolded (Length/Width/Height)	2405mm*2485mm*525mm

Airframe

The airframe is a closed aluminium structure protecting the electrical components from dust and water splashes also when batteries are not connected.

Ground control software

The Horizon^{mp} ground control software matches the MicroPilot 2128^{HELI-LRC2} Flight control computer and offers a user-friendly, point-and-click interface. It delivers full overview of the state of the aircraft and easy setup of automated flights, geo-fences and the possibility to simulate the flight before embarking on the mission.



Remote control

The remote control Jeti DC-16, a remote control developed for professional users with the aim of maximum utility, simple handling as well as maximum durability and reliability of mechanical parts. The metal case provides maximum protection of the interior as well as of the outside surfaces against chemicals and the straightforward shapes make servicing easy. Metal quad ball raced stick units with magnetic Hall sensors confirm the revolutionary design concept of this mostly strained element of a RC-System.



Weight [g]	1500
Dimensions [mm]	230x270x40
Output Power - 2.4GHz [mW]	100
Number of channels	16
Number of controls	20
Resolution steps	4096
Telemetry	Yes
Operational temperature [°C]	-10 ... 60
Operating time [h]	11
Compatible protocols	DUPLX
X 2.4GHz EX, EX Bus	
Output Power - 900MHz [mW]	

