

We proudly present our high-efficiency “Top Class” 90mm Electric-Ducted-Fan. The design with the outer shroud from Carbon fiber and injection molded inner stator kernel with 5 circumflexed blades and internal cooling airflow for the motor, as well as the 9-bladed Rotor and the polished aluminum spinner is one of a kind!

## Aims and purposes of the development:

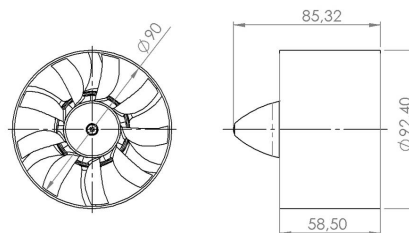
- Extremely gentle and quiet operation at highest airflow rate!
- No high frequency screaming like most standard systems!
- Usability of „off the shelf“-high-RPM brushless motors up to 41mm diameter!
- Useable for in-runner and out-runner motors!
- Best possible cooling of the motors at applications up to 5.5 Kilowatt!
- Highest static and dynamic thrust at highest speed of airflow of all known systems!
- Good value modular design to gain a convenient consumer price on one hand, and on the other to get
- Enough potential for adaption to customized consumer wishes!

All of these targets could be realized by a 12 months’ time of development with several phases of prototypes, as well as by using high-strength materials as Aluminum and 50% fiber reinforced plastics. To evaluate our design we tested more than 100 different motors-batteries combos on the test bench according to the VDE-norms. So we are able to display the ETA-gradient of our EDF-System (Electric Ducted Fan), as well as the ETA-gradient of the used motors also.

## Dimensions:

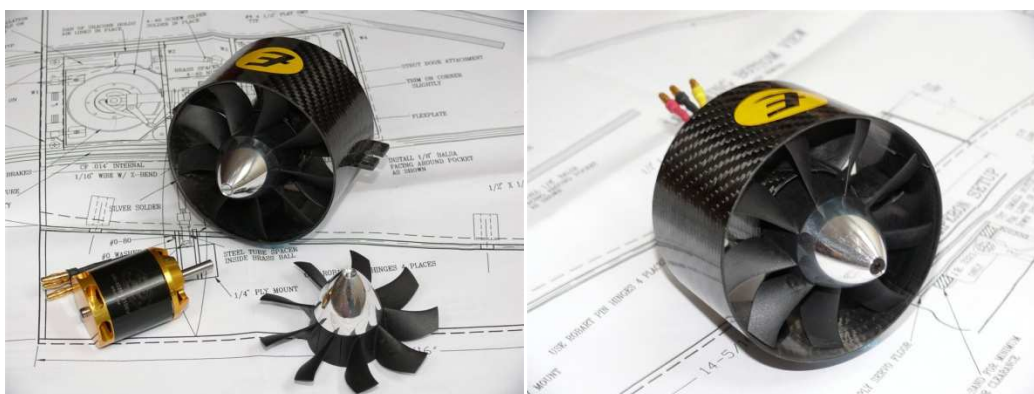
The installation dimensions are identically with standard EDF-Units in the 90mm –class. So the consumer can easily use our JETFAN-90-V2, by exchanging against his older standard system

- Length of shroud: 58,50 mm
- Length over all: 85,3 mm
- Diameter of rotor: 88,60 mm
- Inner diameter: 90,00 mm
- Outer diameter: max.93,00 mm
- Weight: 122 Gramm



## Operating data:

- Operating voltage from: 3 – 12s Lipos ( 11,1 – 44,4 Volt)
- Power input from: 750 – 5500 Watt
- Maximal released RPM: 50.000 U/min at **6,3 kilo of thrust acc. VDE-Norms!**
- Maximal tested RPM: 53.000 U/min at **7,0 kilo of thrust acc. VDE-Norms!**



Different tables for the use from 5s - 12 s Lipo-batteries available at our home page: [www.ejets.at](http://www.ejets.at)  
Also a calculator-tool „Jetfan-90V2-Calc“ could be downloaded there.