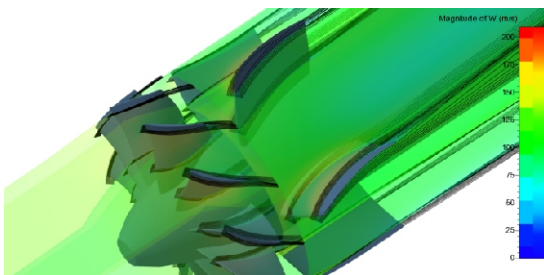
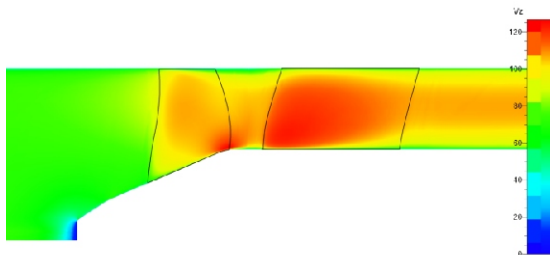




SCHÜBELER TECHNOLOGIES GmbH

Our successful HST fan series is now in 2016 extended with a noteworthiness. The logical consequence from several customer requests and usage potential in jet model flying is our DS-215-DIA HST, a propulsion of the new 195mm series. This imposing propulsion is based on know-how referring to all the other HST models we have developed throughout the years. Besides, the DS-215-DIA HST has been fully developed in assistance with a CFD-tool. This results in an increased level of efficiency and an extremely low level of sound.

All mechanical components of the fan have been designed with a special focus on durability and robustness. For example the 35mm hollow shaft from aluminum 7075 provides highest stiffness.



All mechanical components of the fan have been designed with a special focus on durability and robustness. For example the 35mm hollow shaft from aluminum 7075 provides highest stiffness. Such mechanical feature allows for a fan composition with minimum blade clearance.

The internal rotor in its new patented design propels the fan with powerful 10Nm of torsional moment. The rotational speed was intentionally kept low at 14.000 U/min. The motor is cooled by means of our patented cooling system. The DS-215-DIA HST is the ideal propulsion for your single-engined jet model with a maximum weight of 25kg.



Technical Data:

DS-215-DIA HST® (195mm) with DSM10066-290

Inner shroud diameter: 195 mm
Fan swept area: 215 cm²
Weight incl. motor, wiring,
Plug and Secure Fan Fix: 3400 g
Thrust range: 215-250 N
Exhaust Speed Range: 84-98 m/s
RPM range: 12.000-14.000 U/min
Input power: 9,8-15,6 kW
Allowed battery: 10-14S 20000 mAh
Overall efficiency: 78 %

DS-215-DIA HST
Efficiency and thrust in new dimensions