

Technical Data S6-T

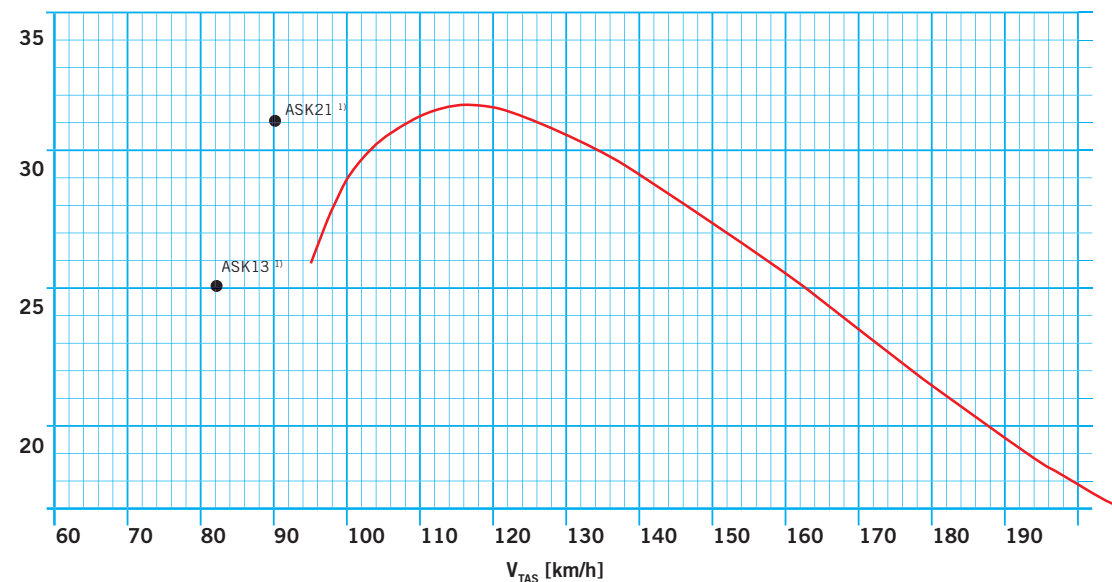
max. take off weight (MTOW)	1870lb	
empty weight	1386lb	
total payload	484lb	
Bombardier-Rotax engine 4 cyl. 4 stroke	914 F	
MTOP	115 hp	
MCP	100 hp	
fuel capacity standard in Gallons	18,5	
fuel capacity long range (option) in Gallons	37	
wing span	59 ft	
wing span folded for hangar spacing (option)	23,6ft	
wing area	187,2ft ²	
aspect ratio	18,6	
length	27,8ft	
height	8,2ft	
landing gear: tricycle type, steering nose gear	fixed	
wheel track	6,5ft	
wheel base	6,5ft	
best glide ratio about	33:1	
airspeed of best glide ratio	61 nm	
min. sink rate (empty weight +70 kg) about	186 ft/m	
min. wing loading (empty weight +70kg) about	8,13lb/ft ²	
max. wing loading about	9,96lb/ft ²	
	MSL	16,000 ft
rate of climb at MTOP (MTOW) in ft/m	1100	670
rate of climb at MCP (MTOW) in ft/m	905	670
rate of climb at MCP aero towing config., one pilot	1280	-
cruising speed at MCP (TAS)	146 nm	168 nm
cruising speed at 75 % MCP (TAS)	133 nm	152 nm
cruising speed at 55 % MCP (TAS)	120 nm	135 nm
fuel consumption at MCP	7,1gal	7,1gal
fuel consumption at 75 % MCP	5,3gal	5,3gal
fuel consumption at 55 % MCP	3,9gal	3,9gal
range at 55% MCP, long range version, no fuel reserve	1081 nm	1190 nm

The data in the table are based on calculation and have to be confirmed within the initial flight test program. Changes may occur at any time without prior information. December 2005

STEMME

STEMME S6-T Technical Data and Polar Curve

Glide ratio versus speed S6-T with fixed gear



1) Source ASK21 and ASK13: Georg Brütting, Die berühmtesten Segelflugzeuge, MotorbuchVerlag, 1986