

BGA glider data sheet - Nimbus 4DT (two seat "turbo" 26.4 meter span)

Data source: BGA data sheet

Date of issue:

Manufacturer: Schempp Hirth, Flugzeugbau GmbH, Postfach 1443, D-73222 Kirchheim/Teck, Germany
 Phone: 00 49 7021 7298-0 www.schempp-hirth.com

UK Agent: Southern Sailplanes

Phone: 0148 871774

Weighing Data:

	Kg	Pounds
Max weight (with water)	800	1764
Max landing weight	800	1764
Max pilot weight (seat load)	110	242
Max weight of non lifting components (everything except wings)		
	mm	Inches
Forward C of G limit (aft of datum)		
Aft C of G limit (aft)		
Front pilot (forward of datum)		
Rear pilot (forward of datum)		
Each standard nose weight reduced min front pilot weight by Kg.		

Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons				mm total
Flaps +2				
Elevator				mm total
Rudder	Left	Right		
Flaps -2	Up			mm total
0				
L	down			
L & brakes	down			
Spoileron	up			
Measure spoileron with flaps L and full aileron				

Maximum speeds

	Knots	Kph
VNE	154	285
Rough air	97	180
Aerotow	97	180
U/C down	97	180
Winch / auto tow	81	150
Flaps +2, +1 & 0		
Flaps "L"		
Engine out		

VNE at altitude		
Height in feet	Knots	Kph
10 000		
13 000		
16 500		
20 000		
23 000		
26 000		
29 500		
33 000		
39 500		

Engine limitations

Max cylinder head temp	°C
Max engine speed	RPM

Max winch weak link: 1040 daN (black)

Tyre pressures: Main 57 psi (4 Bar) Tail 43 psi (3 bar)

Non aerobatic, intentional spinning prohibited. Cloud flying is not permitted.

Fuel is 2-stroke min RON 96. Fuel oil mixture 30:1. Oil is Castrol Super TT two stroke oil.

Brake fluid SAE - J 1703 or US specification FMVVS 116, DOT 3 resp. DOT 4

This sheet compiled by: Tim Macfadyen

Date: 19 Feb 2003

Latest update 14 April 2015 Cloud flying not permitted, previously allowed in error. Ref BGA Technical Committee meeting 11/4/2015