



BRONTES

Test report DHV 97 Brontes S

Type	Brontes S
Certificate-No	DHV GS-01-1003-02
Holder of certificate	Zdenek Lukavsky Sky Paragliders
Manufacturer	SKY PARAGLIDERS A.S.
Classification	2 GH
Winch tow	Yes
Number of seats min / Number of seats max	1/1
Accelerator?	Yes
Trimmers?	No

	Behaviour at min weight in flight (65 Kg)	Behaviour at max weight in flight (95 Kg)
Take off	1-2	1-2
Inflation	evenly, immediately	evenly, immediately
Rising behaviour	immediately comes over pilot	immediately comes over pilot
Take off speed	average	average
Take off handling	easy	easy
Straight flight	1-2	1-2
Trim speed [km/h]	36	37
Accelerated speed [km/h]	0	52
Roll damping	high	high
Turn handling	1-2	1-2
Spin tendency	slight	slight
Control travel	high	high
Agility	high	high
Symmetric stall	1-2	1-2
Deep-stall limit	average 60 cm - 75 cm	average 60 cm - 75 cm
Full stall limit	average 65 cm - 80 cm	average 65 cm - 80 cm
Increase in steering power	high	high
Front collapse	1-2	2
Pre-acceleration	average	average
Opening behaviour	spontaneous, quickly	spontaneous, quickly
Front collapse (accelerated)	-	2
Pre-acceleration	-	average
Opening behaviour	-	spontaneous, quickly
Asymmetric collapse	1-2	1-2
Turn tendency	90 - 180 degrees	90 - 180 degrees
Rate of turn	slight with deceleration	average with deceleration
Loss of altitude	slight	slight
Stabilization	spontaneous	spontaneous
Opening behaviour	spontaneous, quickly	spontaneous, quickly
Asymmetric collapse (accelerated)	-	2
Turn tendency	-	180 - 360 degrees
Rate of turn	-	average with deceleration
Loss of altitude	-	average
Stabilization	-	spontaneous
Opening behaviour	-	spontaneous, quickly
Countersteering an asymmetric collapse	1-2	1-2
Stabilization	countersteering easy	countersteering easy
Control travel	average	average
Control pressure increase	high	high
Turn in opposite direction	easy, no tendency to stall	easy, no tendency to stall
Opening behaviour	spontaneous, quickly	spontaneous, quickly
Full stall, symm. exit	1-2	1-2
Full stall, asymm. exit	1-2	1-2
Spin out of straight flight	1-2	1-2
Spin out of turn	1-2	1-2
Spiral dive	1-2	1-2
Entry	easy	easy
Spin tendency	slight	slight
Exit	spontaneous	spontaneous
B-line stall	1-2	1-2
Entry	easy	easy
Exit	spontaneous	spontaneous
Landing	1-2	1-2
Landing behaviour	easy	easy
Supplementary remarks		



BRONTES

Test report DHV 97 Brontes M

Type	Brontes M
Certificate-No	DHV GS-01-0980-02
Holder of certificate	Zdenek Lukavsky Sky Paragliders
Manufacturer	SKY PARAGLIDERS A.S.
Classification	2 GH
Winch tow	Yes
Number of seats min / Number of seats max	1/1
Accelerator?	Yes
Trimmers?	No

	Behaviour at min weight in flight (80 Kg)	Behaviour at max weight in flight (110 Kg)
Take off	1-2	1-2
Inflation	evenly, immediately	evenly, immediately
Rising behaviour	immediately comes over pilot	immediately comes over pilot
Take off speed	average	average
Take off handling	easy	easy
Straight flight	1-2	1-2
Trim speed [km/h]	35	37
Accelerated speed [km/h]	0	52
Roll damping	average	average
Turn handling	1-2	1-2
Spin tendency	slight	slight
Control travel	average	average
Agility	high	high
Symmetric stall	1-2	1-2
Deep-stall limit	average 60 cm - 75 cm	average 60 cm - 75 cm
Full stall limit	average 65 cm - 80 cm	average 65 cm - 80 cm
Increase in steering power	high	high
Front collapse	2	2
Pre-acceleration	average	average
Opening behaviour	spontaneous, impulsive	spontaneous, impulsive
Front collapse (accelerated)	-	2
Pre-acceleration	-	slight
Opening behaviour	-	spontaneous, impulsive
Asymmetric collapse	1-2	1-2
Turn tendency	90 - 180 degrees	90 - 180 degrees
Rate of turn	average with deceleration	average with deceleration
Loss of altitude	average	slight
Stabilization	spontaneous	spontaneous
Opening behaviour	spontaneous, quickly	spontaneous, quickly
Asymmetric collapse (accelerated)	-	2
Turn tendency	-	180 - 360 degrees
Rate of turn	-	average with deceleration
Loss of altitude	-	average
Stabilization	-	spontaneous
Opening behaviour	-	spontaneous, quickly
Countersteering an asymmetric collapse	1-2	1-2
Stabilization	countersteering easy	countersteering easy
Control travel	average	average
Control pressure increase	high	high
Turn in opposite direction	easy, no tendency to stall	easy, no tendency to stall
Opening behaviour	spontaneous, quickly	spontaneous, quickly
Full stall, symm. exit	1-2	1-2
Full stall, asymm. exit	1-2	1-2
Spin out of straight flight	2	2
Spin out of turn	1-2	1-2
Spiral dive	1-2	1-2
Entry	easy	easy
Spin tendency	slight	slight
Exit	spontaneous	spontaneous
B-line stall	1-2	1-2
Entry	easy	easy
Exit	spontaneous	spontaneous
Landing	1-2	1
Landing behaviour	easy	easy
Supplementary remarks		



BRONTES

Test report DHV 97 Brontes L

Type	Brontes L
Certificate-No	DHV GS-01-1002-02
Holder of certificate	Zdenek Lukavsky Sky Paragliders
Manufacturer	SKY PARAGLIDERS A.S.
Classification	2 GH
Winch tow	Yes
Number of seats min / Number of seats max	1/1
Accelerator?	Yes
Trimmers?	No

	Behaviour at min weight in flight (100 Kg)	Behaviour at max weight in flight (130 Kg)
Take off	1-2	1-2
Inflation	evenly, immediately	evenly, immediately
Rising behaviour	immediately comes over pilot	immediately comes over pilot
Take off speed	average	average
Take off handling	easy	easy
Straight flight	1-2	1-2
Trim speed [km/h]	37	38
Accelerated speed [km/h]	0	54
Roll damping	high	high
Turn handling	1-2	1-2
Spin tendency	slight	slight
Control travel	high	high
Agility	high	high
Symmetric stall	1-2	1-2
Deep-stall limit	average 60 cm - 75 cm	average 60 cm - 75 cm
Full stall limit	average 65 cm - 80 cm	average 65 cm - 80 cm
Increase in steering power	high	high
Front collapse	2	2
Pre-acceleration	average	average
Opening behaviour	spontaneous, impulsive	spontaneous, impulsive
Front collapse (accelerated)	-	2
Pre-acceleration	-	slight
Opening behaviour	-	spontaneous, impulsive
Asymmetric collapse	1-2	1-2
Turn tendency	90 - 180 degrees	90 - 180 degrees
Rate of turn	slight with deceleration	average with deceleration
Loss of altitude	slight	average
Stabilization	spontaneous	spontaneous
Opening behaviour	spontaneous, quickly	spontaneous, quickly
Asymmetric collapse (accelerated)	-	2
Turn tendency	-	180 - 360 degrees
Rate of turn	-	average with deceleration
Loss of altitude	-	average
Stabilization	-	spontaneous
Opening behaviour	-	spontaneous, quickly
Countersteering an asymmetric collapse	1-2	1-2
Stabilization	countersteering easy	countersteering easy
Control travel	average	average
Control pressure increase	high	high
Turn in opposite direction	easy, no tendency to stall	easy, no tendency to stall
Opening behaviour	spontaneous, quickly	spontaneous, quickly
Full stall, symm. exit	1-2	1-2
Full stall, asymm. exit	1-2	1-2
Spin out of straight flight	2	2
Spin out of turn	1-2	1-2
Spiral dive	1-2	1-2
Entry	easy	average
Spin tendency	slight	slight
Exit	spontaneous	spontaneous
B-line stall	1-2	1-2
Entry	easy	easy
Exit	spontaneous	spontaneous
Landing	1-2	1-2
Landing behaviour	easy	easy
Supplementary remarks		