Technical data

PRINT

TEST REPORT DHV 03 MAC PARA MAGUS XC 24

Type	MAC Para Magus XC 24
Certificate-No	DHV GS-01-1708-07
Holder of certificate	MAC Para Technology ltd
Manufacturer	MAC Para Technology ltd
Classification	2-3 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(95 KG)
Take off	**2**	**2**
Inflation	unevenly, delayed	unevenly, delayed
Rising behaviour	comes over pilot delayed	comes over pilot delayed
Take off speed	average	average
Take off handling	average	average
Straight flight	**2**	**2**
Roll damping	average	slight
Turn handling	**2**	**2**
Spin tendency	average	average
Control travel	slight	slight
Agility	average	average
Symmetric stall	**2-3**	**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	slight	slight
Front collapse	**2-3**	**2-3**
Pre-acceleration	average	average
Opening behaviour	spontaneous, delayed	spontaneous, delayed
Asymmetric collapse	**2-3**	**2-3**
Turn tendency	180 - 360 degrees	180 - 360 degrees
Change of course	180 - 360 degrees	180 - 360 degrees
Rate of turn	average	high
Max. roll/pitch angle	greater than 45 degrees	greater than 45 degrees
Loss of altitude	high	high
Stabilization	spontaneous	spontaneous
Opening behaviour	spontaneous, delayed	not spontaneously
		with pumping
Countersteering an asymmetric collapse	**2-3**	**2-3**
Stabilization	countersteering demanding	countersteering demanding
Control travel	slight	slight
Control pressure increase	slight	slight
Turn in opposite direction	demanding, tendency to stall	demanding, tendency to stall
Opening behaviour	spontaneous, delayed	spontaneous, delayed
Full stall, symm. exit	**2**	**2**
Spin out of straight flight	**2**	**2**
Spin out of turn	**2**	**2**
Spiral dive	**2**	**2**
Entry	average	average
Spin tendency	average	average
Exit	turn continues through 180 - 360 degrees	turn continues through 180 - 360 degrees
Sink rate after 720 °[m/s]	12	12
B-line stall	**1-2**	**1-2**
Entry	easy	easy

Exit	spontaneous	spontaneous
Big ears	**1-2**	**1-2**
Entry	easy	easy
Recovery	delayed acceleration < 4 sec	delayed acceleration < 4 sec
Landing	**2**	**2**
Landing behaviour	average	average
Front collapse (accelerated)	**2-3**	**2-3**
Pre-acceleration	average	average
Opening behaviour	spontaneous, delayed	spontaneous, delayed

Asymmetric collapse (accelerated)	**2-3**	**2-3**
Turn tendency	180 - 360 degrees	180 - 360 degrees
Change of course	180 - 360 degrees	180 - 360 degrees
Rate of turn	average	high
Max. roll/pitch angle	greater than 45 degrees	greater than 45 degrees
Loss of altitude	high	high
Stabilization	spontaneous	spontaneous
Opening behaviour	spontaneous	not spontaneously
		with pumping
Big ears accelerated	**1-2**	**1-2**
Entry	easy	easy
Recovery	delayed acceleration < 4 sec	delayed acceleration < 4 sec
Supplementary remarks		