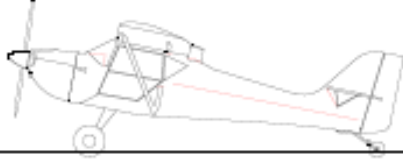


# Excerpts of the Pilot's Operating Handbook

NTSB# ERA20FA088



*AEROPRO CZ, Producer of Light Sport Aircraft*  
Mladá 835, 687 25 Hluk, Czech Republic

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**Pilot Operating Handbook**  
  
**and**  
  
**Flight Training Supplement**

**AEROPRO CZ**  
**A220 - taildragger**  
**N214K s/n 57819**

**Light Sport Aircraft**

Aircraft Type: **A220 (taildragger)**

Serial Number: **57819**

Registration: **N214K**

Date of Issue: October 22, 2019  
version 1.0

**This aircraft was manufactured in accordance with Light Sport Aircraft airworthiness standards and does not conform to standard category airworthiness requirements.**

RECORD OF REVISIONS

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October 22, 2019

## 2. Operating limitations

Airspeed indicator system calibration:

MPH (Indicated Air speed)	MPH (Calibrated Air speed)
40	44
46	48
57	59
69	69
81	79
92	89
104	99
115	109

As requested by ASTM F-2245-04 §9.1 all flight speeds are presented as calibrated airspeeds in miles per hours (MPH). As the calibrated airspeed cannot be usually determined by a simple reading of the aircraft airspeed indicator, corresponding Indicated airspeeds in miles per hours (MPH) are also presented in this document. All airspeed values in this handbook assume no instrument error.

### 2.1 Stall speed at maximum take-off weight ( $V_s$ and $V_{s0}$ )

Aircraft configuration	Stall speed – angle of bank 0°	
	(Indicated Air speed)	(Calibrated Air speed)
Flaps down ( $V_{s0}$ )	43 mph	45 mph
Flaps up ( $V_s$ )	49 mph	50 mph

#### WARNING

The stall speed mentioned above are with wings level. Once any angle of bank (e.g. turn) is encountered the stall speed is significantly increasing.  
Example: angle of bank 60° .....  $V_s = 73$  MPH

The more bank – the higher the stall speed. This simple rule is especially important when a turn at maximum permitted angle of bank (60°) is performed. Do not start the turn until you have sufficient airspeed reserve – recommended entry speed is 92 MPH. Full throttle is also essential to have sufficient thrust reserve as the drag is increasing during a steep turn.

### 2.2 Flaps extended speed range ( $V_{s0}$ to $V_{FE}$ )

	MPH (Indicated Air Speed)	MPH (Calibrated Air Speed)
Lower limit	41	45
Upper limit	93	90

## 2.9 Other Limitations

**WARNING**

**No smoking**

**WARNING**

**Flights with rear cockpit cover removed are prohibited**

**WARNING**

**Flights at ambient temperature between 14° F and 32° F are permitted only under no icing conditions and when the carburetor heating is activated.**

**WARNING**

**IFR flights and flying in clouds is prohibited.  
Night Flights are prohibited.  
Flight into known icing conditions is prohibited.**

This aircraft is not certified for operation in IMC (Instrument Meteorological Conditions). Always stay clear of clouds and have visual contact with the ground. Follow the airspace classification regarding distance from clouds. Always evaluate weather during your flight and try to get weather information from your destination using radio whenever possible. When weather is deteriorating make a diversion or turn back before the low cloud base and/or low visibility are critical. The aircraft is not certified to be flown at night.