

***SportCruiser***  
**Pilot's Operating Handbook**



***Valid to aircraft S/N:***

09SC296

09SC305

09SC323

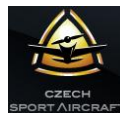
***Date of Issue:***  
***11/09/01***






# *SportCruiser*

## **Pilot's Operating Handbook**

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### 1.2 Record of revisions

Revision No.	Affected pages	Reason for revision	Date of Issue	Signature
1.0	All	Initial	01/2007	CH.W.E.
2.0	All	Pitot static probe change. Valid for Pitot static probe "AVIATIK" WA037383 only!	12/2007	CH.W.E.
2.1	All	Control surfaces deflection, formal faults removal. Valid for Pitot static probe "AVIATIK" WA037383 only!	07/2008	CH.W.E.
3.0	All	Reissue	04/2009	
4.0	All	WOODCOMP SR 3000/2W variable pitch propeller installation. This POH is valid for this propeller model only!	01/2010	
4.1	1-3, 1-4, 5-3	Terminology change	09/2011	



### 1.3 List of effective pages

Section	Page	Date of Issue	Section	Page	Date of Issue
1	1-1	01/2010	3	3-1	01/2010
	1-2	01/2010		3-2	01/2010
	1-3	09/2011		3-3	01/2010
	1-4	09/2011		3-4	01/2010
	1-5	01/2010		3-5	01/2010
	1-6	01/2010			
	1-7	01/2010			
	1-8	01/2010			
			4	4-1	01/2010
				4-2	01/2010
2	2-1	01/2010	5	5-1	01/2010
	2-2	01/2010		5-2	01/2010
	2-3	01/2010		5-3	09/2011
	2-4	01/2010		5-4	01/2010
	2-5	01/2010		5-5	01/2010
	2-6	01/2010		5-6	01/2010
	2-7	01/2010			
	2-8	01/2010			
	2-9	01/2010			
	2-10	01/2010			
	2-11	01/2010			
	2-12	01/2010			



### 5.1 Take-off and landing distances

#### Take-off distances:

- Conditions:**
- Altitude: 0 ft ISA
  - Engine power: max. takeoff
  - Propeller: min. pitch (max. RPM)
  - Flaps: 15°

RUNWAY SURFACE	Take-off run distance		Take-off distance over 50 ft (15 m) obstacle	
	ft	m	ft	m
CONCRETE	525	160	942	287
GRASS	630	192	1,086	331

#### Landing distances:

- Conditions:**
- Altitude: 0 ft ISA
  - Engine power: idle
  - Propeller: min. pitch (max. RPM)
  - Flaps: 30°
  - Normal brake operation

RUNWAY SURFACE	Landing distance over 50 ft (15 m) obstacle		Landing run distance (braked)	
	ft	m	ft	m
CONCRETE	840	256	446	136
GRASS	833	254	443	135

### 5.2 Rate of climb

Conditions: Engine: max. takeoff Propeller: min. pitch Flaps: 0°	Best rate of climb speed V <sub>y</sub> (IAS)		Rate of climb V <sub>z</sub>	
	knot	km/h	fpm	m/s
<b>Altitude</b>				
<b>1000 ft</b>	62	115	912	4.6
<b>3000 ft</b>	62	115	801	4.1
<b>5000 ft</b>	62	115	687	3.5
<b>7000 ft</b>	62	115	620	3.2
<b>9000 ft</b>	62	115	478	2.4



### 5.3 Cruise speeds

Altitude	Engine speed	IAS		CAS		TAS		MAP	Fuel consumption	
		knot	km/h	knot	km/h	knot	km/h		in Hg	l/h
ft	rpm									
1,000	4,500	83	154	82	152	85	157	24.3	15.0	3.97
	4,800	93	172	91	169	94	174	24.6	16.5	4.36
	5,000	100	185	97	180	101	187	25.1	17.9	4.73
	5,300	105	194	102	189	106	196	26.2	20.6	5.44
	5,500	111	206	107	198	112	207	26.8	22.7	6.00
	5,700	116	215	112	207	117	217	28.4	27.0	7.13
3,000	4,500	80	148	79	146	84	156	22.2	14.4	3.80
	4,800	87	161	86	159	91	169	23.3	16.1	4.25
	5,000	93	172	91	169	97	180	23.8	17.5	4.62
	5,300	100	185	97	180	104	193	24.5	20.2	5.34
	5,500	103	191	100	185	107	198	25.0	21.1	5.57
	5,700	109	202	105	194	114	211	26.2	26.1	6.89
5,000	4,500	69	128	70	130	75	139	21.2	14.1	3.72
	4,800	77	143	77	143	82	152	21.9	15.8	4.17
	5,000	84	156	83	154	90	167	22.2	17.2	4.54
	5,300	93	172	91	169	100	185	22.9	19.7	5.20
	5,500	99	183	96	178	105	194	23.3	21.4	5.65
	5,700	107	198	104	193	113	209	24.1	24.7	6.53
7,000	4,500	65	120	66	122	72	133	19.7	13.5	3.57
	4,800	73	135	73	135	81	150	20.1	15.4	4.07
	5,000	77	143	77	143	86	159	20.6	16.8	4.44
	5,300	83	154	82	152	92	170	20.9	19.0	5.02
	5,500	88	163	87	161	98	181	21.6	20.8	5.49
	5,700	95	176	93	172	106	196	22.5	24.0	6.34
9,000	4,500	58	107	60	111	68	126	18.2	13.0	3.43
	4,800	69	128	70	130	80	148	18.7	14.7	3.88
	5,000	74	137	74	137	85	157	19.1	16.2	4.28
	5,300	82	152	81	150	93	172	19.8	18.5	4.89
	5,500	86	159	85	157	97	180	20.2	20.1	5.31
	5,700	92	170	90	167	104	193	21.0	23.0	6.08