



KZ II

Sport



SKANDINAVISK AERO INDUSTRI A/S

Export Office: 33, Vestergade, København, Danmark

Aircraft Type Specification no KZ-II S

Manufacture: Skandinavisk Aero Industri. (SAI)
 Certificate holder: Scanaviation from jan.15/65 to sept.14/85
 Certificate holder: KZ & Veteranfly Klubben from sept.14/85

I. Model KZ II S	Series 2 - 2 PLCM (Normal, utility and aerobatic) Approved 18 april 1939 - Open cockpit	
Engine	Hirth 504A 2 (105 HP) 4 cyl.inverted in line	
Fuel	77 octane aviation gasoline (se note 1 for Aerobatic flight)	
Engine limits	2530 RPM (105 HP)	
Propeller limits	3000 RPM	
Airspeed limits	250 km/h - In dive or glide max 350 km/h	
C.G Range	(+ 210 cm) to (280 cm)	
Empty weight range	none	
Maximum weight	800 kg (se note for MTOW in aerobatic flight)	
No of seat	2 (one at + 201,5 cm) and (one at + 299,5 cm)	
Max begage	30 kg	(377,5)
Oil capacity	4 liter intergral in engine top sump	(N/A)
Fuel capacity	1 fuselage tank a 50 liter 1 wing tank a 55 liter	(155) (235,0)
Serial no eligible	10 to 20 both incl. 38 to 41 both incl.	
Required equipment	Se item	601

Specification to all models.

Datum 200 cm FDW of lower main spar

Leveling means Rear Cockpit fuselage tubes

Surface controls Elevator 22° up and 24° down
 movements Elevator trim 16° up and 16° down
 Rudder 30° left and 30° right
 Aileron 20° up and 20° down
 Speed brakes two (2) pos. only

Production basis English air ministry of airworthiness
 hangbook for civil aircraft A.P.1208

Certification
 Basis

Equipment: A plus sign preceding the weight of an item indicates net weight change when that item is installed.

Approval of all items of equipment listed herein has been obtained by the manufacturer except those items preceded by an asterisk (*).

The asterisk denotes that approval has been obtained by someone other than the Aircraft manufacturer. An item marked with an asterisk may not have been manufactured under a SLV monitoring or approved quality control system, and therefore attention should be paid to workmanship and conformity with pertinent data called for in this specification.

Propeller and Propeller accessories.

1. With Hirt 504 2 A (105) HP engine
 - a. Wood propeller type Heine H two bladed
 Dia. 2.00 m
 Pitch 1,12 m
 Max rpm in drive or glide 3300
 - b. Wood propeller type Hoffmann
 Standard - HO 01-200-107
 Cruise - HO 01-200-112
 Climb - HO 01-200-102

Engine and accessories- Fuel and oil system

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101. Hirth 504 2 A 105 HP
Min RPM 2360 (85 HP)
Max RPM 2530 (105 HP)
Max in dive or glide 3300 RPM
102. Fuel tank capacity- 115 liter
Main tank- Fuselage tank- 60 liter
Aux. Tank- Right Wing- 55 liter
103. Oil filter Metal- in oilpump housing
104. Oil Cooler- not installed
- 104a. Engine equipment:
Fuel pump type KM 13
Carburator type SUM
Magnets type JF 14 ARS 49
Spark plugs type DW 175 ET 2
Starter type AL/DEDLT
105. Gipsy major 1- 130 HP engine only project serial no 37
106. Le Blond- 120 HP engine only Project serial no 36
(no specification avil.)

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Landing gear (Type Cantilever).

- 201. Understels støddæmper, KZ drawing 4568
 - a. Indvendige spiralfjedre med friktions bremse
- 202. Understelsstyrings centrering type KZ drawing 4568
 - a. Parallel teleskopstyr
- 203. Understels skærme
 - a. Strømliniet type KZ, mont på understellets støddæmper
- 204. Hovedhjul type KZN 40
 - a. Hjul nav KZN 40-01
 - b. Bremsetromle type KZN 41
- 204a Hovedhjul type Elektronik
 - a. Hjul fremstillet af elektron/all.
- 205. Dæk og slanger for hovedhjul
 - a. Dæk størrelse 6.00 x 6.50 lavtryk
 - b. Slanger størrelse 6.00 x 6.50 lavtryk
- 205a Dæk for hovedhjul med slanger
 - a. Dæk 465 x 165 lavtryk
 - b. Slanger 465 x 165 lavtryk
- 206. Halehjul - KZ Tegning no 4569
 - a. Alluminium støbt nav med fast gummi
 - b. Dæk type KZ tegning 1123-0401U2/3
 - c. Stålnav type Trælleborg
 - d. Dæk størrelse (luft)
 - e. Slange størrelse (luft)
- 207. Bremse type KZ drawing 4569
 - a. Sammenkoblet med sideror og pedaler
 - b. Parkeringsbremse mekanisk ved pilotside i Cockpit

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Elektrisk system.

301. Elektrisk system- Ingen

Interiør udstyr.

401. Følgende skal medføres om bord:

- a. Betjeningshåndbog for KZ II Sport
- b. Motorinstruktions håndbog
- c. Håndildslukker
- d. Motor brand ildslukker betjenes fra agter cockpit
- e. Forbindingskasse
- f. Godkendt Flyvehåndbog

601. Note 1: Ved kunstflyvning skal der anvendes 80 oktane aviation gasoline, eller blanding af benzin - benzol i forhold 70 til 30.

Note 2: Max take off vægt ved kunstflyvning må ikke overskride 725 kg.

End