



KZU Fener
Type: *Light Fighter* / *Light Fighter* / *Light Fighter*
Number: *100* / *100* / *100*
Date: *1923*

Aircraft Type Specification no KZ-II T

Manufacture: Skandinavisk Aero Industri (SAI)
Certificate holder: Scanaviation from jan.15 1965 to sept.14/85
Certificate holder: KZ & Veteranfly Klubben from sept.14/85

I. Model KZ II T Series A, 2 pclm (normal, utility and aerobatic)
Closed cockpit. App.1947. See note 1,2 and 3.
Series B, 2 pclm (normal, utility and aerobatic)
Open cockpit. App.1947. See note 1,2 and 3.

Engine Gipsy major 1 (see item 101,105 and 106 for optional engines)

Fuel 73 octane aviation gasoline

Engine limits For all operations 2350 rpm- 132 hp

Airspeed limits Normal 250 km/h - In dive or glide max 350 km/h

Propeller limits See propeller item 1

C.G Range (+ 210) to (+ 280)

Empty weight of C.G range None

Maximum weight 850 kg (See note 1 for MTOW in aerobatic flight)

No of seats 2 (one at + 201,5) (one at + 299,5) cm
(See note 2)

Max begage 30 kg (377,5)

Oil capacity 12 liter (108)

Fuel capacity 2 x 55 liter Total 110 liter (235)

Serial no eligible For serie A- 37
For serie B from 109 to 123 both incl.

Required equip. See item 601

Specifications Pertinent to all models.

Datum 200 cm FWD of main spar center tube

Leveling means Rear cockpit Fuselage tube

Surface control Movements:

Elevator 22° up and 22^{1/2}° down

Rudder 30° left and right

Aileron 20° up and 20° down

Trim 16° up and 16° down Elevator only

Certification English air ministration of airworthiness

Basis handbook for civil aircraft A.P.1208.

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

Approval for installation of all items of equipment listed herein has been obtained by the manufacturer except those items preseded 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 monitored 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 Gipsy major 1 (132 HP) engine
 - a. Wood Propeller type Airscrew Z 5672/1A
Dia. 6.25 ft (1.905 m)
Pitch 4.44 ft (1,535 m)
 - b. Wood propeller type Hoffmann HO 21-183-173 L
2. With Gipsy major 1 (Airforce MK 7)(145 HP) engine
 - a. Wood Propeller type Airscrew Z 6021
Dia. 6.00 ft (1,829 m)
Pitch 5,65 ft (1,727 m)
 - b. Wood Propeller type Hoffmann HO 21-183-173 L

Propeller and propeller Accessories (fortsat)

3. With Gipsy Major 10 Mk II (145 HP) engine
 - a. Propeller type Airscrew Z 6021 Wood
Dia. 6.00 ft (1.829 m)
Pitch 5.65 ft (1,727 m)
 - b. Hoffmann type HO 21-183-173 L Wood *C.R.U. 180*
 - c. Reed Fairey DRG no A 66753/x1/1/5 metal
Dia. 6.75 ft
Pitch 5.01 ft

Engine and accessories- Fuel and oil system.

101. With Gipsy Major 1 F.Engine
Max Take off power 2100 RPM (132 HP) (5 min limits)
Max power rating 2100 RPM (122 HP)
Normal cruise power 2100 RPM (122 HP)
Max in diving 2400 RPM (max. 20 sec. at full throttle)
- 101a With Gipsy Major 1 C engine with mod 1145.
Max in diving 2550 RPM (max 20 sec.)

Oil tank capacity 12 liter (108)
Min. Fuel grade 72 octane aviation gasoline
See item 1 for propeller installation
102. Main Fuel tank capacity - left tank 55 liter 40 kg (235)
right tank 55 liter 40 kg (235)
103. Oil filter - Auto clean pressure system
Suction filter - Screen system
104. Oil cooler - Intergrel with oil tank
105. With Gipsy Major X MK 1-1 (airforce MK-7)
Max. Take off power 2550 RPM (145 HP) at sea level
Max. Power rating 2400 RPM (136/142) at sea level
Max. Power rating 2550 RPM (145 HP) 5 min limits
Max. Power in diving 2675 RPM (20 min limits)
SEL.
Oil tank capacity 12 liter (108)
Fuel min grade 80 octane aviation gasoline
See item 2 for propeller installation

Engine and accessories- fuel and oil system.

106. With Gipsy Major 10 KM 2 engine

Max. Take off power 2400 RPM at sea level

Max. Power rating 136/142 at 2400 RPM sea level

Max. power rating 145 HP at 2550 RPM at sea level
(5 min. limits)

Max. power in diving 2675 RPM (max. 20 sec.) at
full throttle

Fuel min. 80 grade aviation gasoline

Oil capacity 12 liter

(108)

See item 3 for propeller installation

Understel Type cantilever.

- 201. Hovedhjul type KZ. KZN40
 - a. Hjulnav KZN40-01
 - b. Bremsesystem Mekanisk
- 202. Dæk for hovedhjul med slanger
 - a. Dæk størrelse 6.00 x 6.50 lavtryk
 - b. Slanger størrelse 6.00 x 6.50 lavtryk
- 204. Halehjul - KZ Tegning 4569
 - a. Alluminium støbt nav med fast gummi
 - b. Dæk type KZ tegning 1123-0401U2/3
 - c. Lufthjul type Trelleborg størrelse:
- 211. Understelsskærme
 - a. Strømliniet Type KZ på understelsbens støddæmper
- 214. Understelsstøddæmpere Type KZ drawing 4568
 - a. Indvendige spiralfjedre med friktionsbremse
- 215. Understelsstyring centrering Type KZ drawing 4568
 - a. Parallel teleskopstyr
- 216. Bremse system Type KZ drawing 4569
 - a. Dobbelt mekanisk bremsefunktion - sammenkobling med sideror.
 - b. Parkerings betjening fra begge cockpit.
- 301. Elektrisk system
 - a. Starter type N3 EY 12 volt (Kun GM-10) (108)
 - b. Starter type - Plessey "S" Type cartridge with 6-shot magazine breech (only GM-10 MK-1 and 2) (108)
 - c. Generator type Rotax 12 volt 150 Watt (108)
 - d. Batteri 12 volt 24-36 amp/t
- 401. Interior equipment
 - a. DCAA Godkendt flight manual
 - b. Owners/operators manual for KZ-11 T
 - c. Motorinstruktions håndbog
 - d. Håndildslukker i agterste cockpit
 - e. Forbindingskasse i henhold til BL-5

Forskellig udstyr.

601. Følgende skilte skal monteres:

I begge cockpit på instrumentpanel:

- a. Ved Solo flyvning benyttes agtersæde
- b. Ved solo flyvning skal forreste seler og hynder fastgøres
- c. Ved magnetkontakterne - Afbrudt- Kontakt KZN-54-05/06

Ved betjeningshåndtagene i begge cockpit:

- a. Brændstofvælgerne LUK-V Tank H Tank KZN-54
- b. Karburator varme ON- OFF

I Bagerste cockpit på bagagedør:

- a. Max.30 kg

Ved hver vingetank:

- a. Indhold 55 liter
- b. 80 octane aviation gasoline

601a Note 1 Max. Startvægt ved kunstflyvning 775 kg

Note 2 Ved kunstflyvning anvendes agtersæde

Note 3 Rygflyvning over 30 sec. forbudt

KZ II Trainer Instrument mærkning.

1. Fartmåler	VNO Grøn område (normal)	80 - 250 km/t
	Gul område (caution)	250 - 350 km/t
	VNE Rød område Max.Fart	350 km/t
Luftbremse	Hvid ved max.Fart	120 km/t
2. Olietryksmåler	Grøn linie (normal område)	2,8 - 3,2 Kg/cm
	Rød streg (Min. olietryk)	2,11 - Kg/cm
3. Olietemperatur	Grøn område (normal)	30- 90°C
	Gul område	90-100°C
	Rød streg ved	100°C
4. Omdrejningstæller	Rød Streg (GM 1) Max	2350 RPM
	Rød streg (GM 10) Max	2550 RPM
5. "G" Måler	Rød streg	(-4 + 6) G
Bemærk: G værdierne er nedsat af SLV til		(-2 + 4,5) G