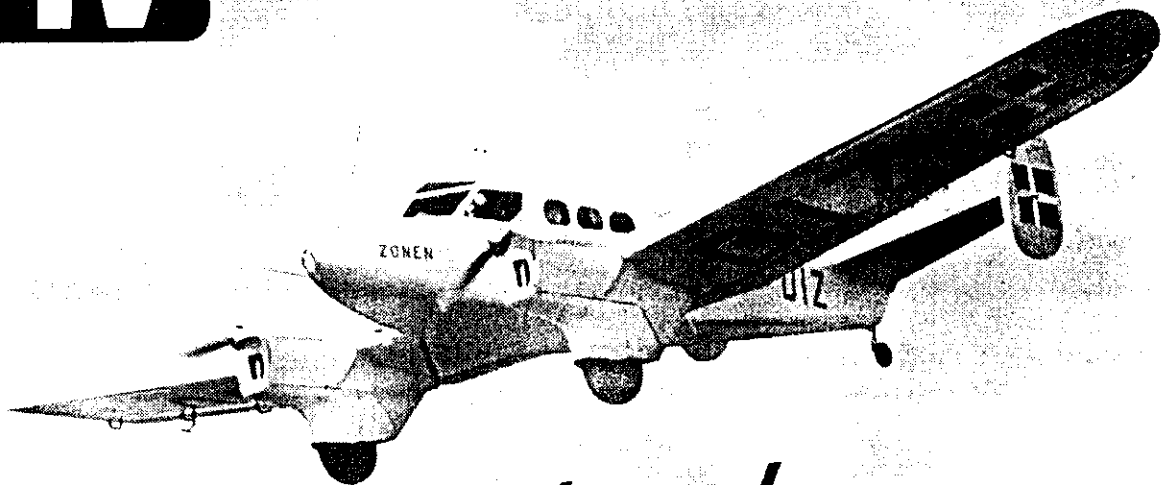
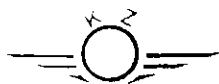


KZ IV



Den nye danske Lufttaxa



til al Slags Erhvervsflyvning

Tomvægt	1200 kg
Fuldvægt	1900-2000 kg
Spændvidde	16 m
Længde	9,8 m
Højde	2,65 m
Planareal	30,0 m ²
Maximal Motorydelse	260 BHK
Maximal Hastighed	215 km/T
Marchhastighed	200 km/T
Landingshastighed	75 km/T
Startlængde	140 m
Landingsafløb	70 m
Maximal Flyvedistance	900 km

SKANDINAVISK AERO INDUSTRI A/S

VESTERGADE 26, KØBENHAVN K

Aircraft Type Specification no KZ-IV

Manufacturer: Skandinavisk Aero Industri A/S

Type certificate holder: Scanaviation from Jan.15/65 to 14 sept.85

Type certificate holder: KZ & Veteranfly Klubben from 14 sept.85

Model	KZ IV	6 pclm Transport and Ambulance catarogies Approved july 5, 1944
	KZ IV U I	Same as above except for engine installation Approved Jan.1949
Engine		2 Gipsy Major 1 Engine (122 HP at 2100 RPM) (See iten 101 for alternate engine)
Propeller limits		See engine
Fuel		72 octane aviation gasoline
Airspeed limits		VNE 250 km/h VNO 191 km/h VMO 153 km/h Max flaps extention 120 km/h
C.G range		296 - 316 cm rear of datum
Empty weight		C.G range (see above)
Max weight at T/O		1900 kg (se note 1 for MTOW on U 1)
Max no of seats		6 incl. 2 pilots
Max begage		See W/B
Fuel capacity		2 Main tank in wing 2 x 140 liter (280)
Oil capacity		2 Tank in engine bay 2 x 12 liter
Serial no eligb.		No 43 prototype and s/n 70 U 1 production a/c Note: (s/n 70 first expl. destrued by fire in 1947)
Required equipment		See note 1

Specification Pertinent to all Models.

Datum	250 cm FWD of WLE		
Leveling point	Cabin Floor		
Control surface travel:	Elevator up	27°	
	Elevator down	23°	
	Elevator trim up	22°	
	Elevator trim down	16°	
	Aileron up	21°	Flaps neutral
	Aileron down	14°	Flaps neutral
	Rudder left	26°	
	Rudder right	26°	
	Rudder trim fixed		
		Flaps setting 0- and full down (50°)	
Certification basis:	English air ministration of airworthiness haandbook for civil aircraft A.P. 1208.		
Equipment:	<p>A plus (+) preceding the weight of an item indicates net weight change when that item is installed.</p> <p>Approval for the installation of all items of equipment listed terein has been obtained by the aircraft manufacturer exept those items preseded by an asterisk (*). The asterisk denotes that approval has been obtained by some-one other that the manufacturer. An item marked with an asterisk may not have been manufactured under monitored or approved quality control system and therefore confirmaty must be determined if the item is not indentified by normal way- PMA or other SLV approval.</p>		

Propeller and Propeller accessories.

1. With Gipsy Major 1 F (122 HP) engine at 2100 rpm
 - a. 2 (two) Wood propeller type H.F.T.V
Dia. 1.9 m and pitch 1,6 m
 - b. 2 (two) Wood propeller type Aircrow DRG Z 5671/AC 44/5
Dia. 6.25 ft and pitch 4.89 ft
 - c. 2 (two) Wood propeller type Hoffmann F-H2/HG21
Dia. 190 m pitch 149 m
 - d. 2 (two) Propeller spinner type Aircrow
2. With Gipsy Major VII MK 1 (145 HP at 2550 rpm)
 - a. 2 (two) Wood propeller type Aircrow DRG Z 5672/1/A
Dia. 6,25 ft (1.905 m) and pitch 4.44 ft (1.353 m)
 - b. 2 (two) wood propeller type Hoffmann
HO-21-183-173 L
 - c. 2 (two) Propeller spinner type Aircrow
3. x With Gipsy Major X MK 1-3 (145 HP at 2550 rpm)
 - a. 2 (two) wood propeller type Aircrow Z 5671/3
Dia. 6.25 ft and pitch 4.44 ft.
 - b. 2 (two) wood propeller type Hoffmann
HO 21-183-173 L
 - c. 2 (two) Propeller spinner type Aircrow

Engine and engine accessories.

101. Gipsy Major 1 F
 Installation in accordance with KZ drawing no.
 Fuel minium grade 72 octane aviation gasoline
 Maximum lead 4 m.l T.E.L is permittet
 Oil capasity 12 liter (192)
 Engine limits for all operations:
 International power rating 122 HP at 2100 rpm
 Maximum power rating 132 HP at 2350 rpm
 Maximum Take off power 122 HP at 2100 rpm
- 101a. Gipsy Major VII MK I
 Installation in accordance with KZ drawing no
 Fuel minium grade 72 octane aviation gasoline
 Use of fuel containing up to max.4 m.l T.E.L is perm. (192)
 Oil capasity 12 liter
 Engine limits for all operations:
 International power rating 142 HP at 1400 rpm
 Maximum power rating 145 HP at 2550 rpm
 Maximum Take off power 145 2500 rpm
 Provision for vacuum, Airpressure pump,generator
 and electrical starter.
- 101b. Gipsy Major X MK 1-3
 This engine is the civil version of above GM VII MK 1.
 All information is therefore the same as above.
102. Fuel in Main Wing tank - Tank capasity 2 x 140 l (280)
103. Oil suction filter - located in filter housing,
 Installed on r/h side of engine
- 103a. Oil pressure filter - located in Auto-Clean filter
 housing on rear end of engine
- 103b. Oil Scavavenge filter - located on front end of
 engine crankcase r/h side (Note: only on MK VII and up)
104. Oil cooler - Ram air around oil tank.

Landing Gear.

- 201. Landing gear assemblies, type KZ design.
 - a. 2 (two) twin pipe - spring operated shock damper system
 - b. Wheel assy type Electron (Manufactured in Germany)
 - c. Tire and tube type Continental 9,5 x 12 (Man.Germany)
 - d. Brake system - mechanical
 - e. Brake control - wire and bowden cable

- 201. Landing gear assemblies, for KZ IV U 1 type De havilland 89
 - a. 2 (two) twin pipe - spring operated shock damper system
 - b. Main wheel assy Dunlop 8.5 x 10 8 (ply)
 - c. Tire and tube size 8,5 x 10
 - d. Brake system - mechanical
 - e. Brake control - wire and bowden cable

- 204. Tail wheel assemblies type KZ design
 - a. Tail wheel type KZ with bronze bearings
 - b. Tire and Tube size
 - c. Spring operated shock damper system

- 204a. Tail wheel assebmlies type KZ design
 - a. Tail wheel type KZ with ball bearing
 - b. Tire and Tube size
 - c. Spring operated shock damper system

Electrical system.

- 301. a. 2 (two) Auto battery 2 x 6 volts 24 kg
- b. 2 (two) Battery Rebat R-35 12 V 24 kg
- c. 2 (two) Wind driven generator 12 V
- d. 2 (two) Starters Rotax type N3E4
- e. 1 (one) Landing light type Lucas 12 Volts

Electrical system KZ IV U1.

- 301a. a. 2 (two) Battery 12 volts/24 Volts 35 amp/h 24 kg
- b. 2 (two) Generators type Rotax 24 V 27 amp.
- c. 2 (two) Starters type Rotax N3E6
- d. 1 (one) Landing Light type Lucas 24 Volts

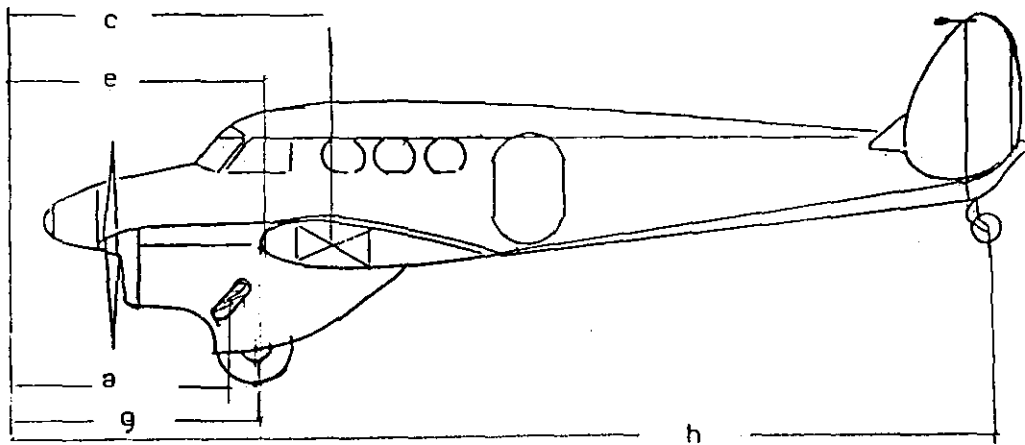
Interioer Equipment.

- 401. a. Approved Airplane flight manual dated 5 july 1944
 with latest revision.
- b. Operators Handbook for installed engines
- c. Updated Weight and ballance manual.

Miscellaneous (not listed above)

601.

	V E J E S K E M A	Dato
Type KZ-IV	Reg.:	S/N
Vægte	Vejested	Side 1 af 2



Momentarm	a	b	c	d	e	f	g	h	i
	192		313		250		242.4	974	

Datum er: 250 cm fdw af WLE Level punkt: Cabin floor

Vejningsresultat:

Venstre hjul	Kq
Højre hjul	Kq
Hovedhjul sum	Kq
- Tara	Kq
(1) Vægt på hovedhjul	Kq
Næsehjul/Halehjul	Kq
- Tara	Kq
(2) Vægt på Næse/halehjul	Kq
(3) Vejet tomvægt (1) + (2)	Kq

