





## KZ - A. O. P.

Army Observation and Liaison Aircraft

### DATA:

Span .....	9.4	m
Length .....	6.5	m
Height .....	2.1	m
Span Tailplane .....	3.18	m
Main plane area .....	14.70	m <sup>2</sup>
Ailerons .....	0.91	m <sup>2</sup>
Flaps .....	0.91	m <sup>2</sup>
Tail plane .....	1.03	m <sup>2</sup>
Elevator .....	1.01	m <sup>2</sup>
Fin .....	0.60	m <sup>2</sup>
Rudder .....	0.61	m <sup>2</sup>
Weight empty (without radio equipment but with 12 volts instrument equipment) .....	525	kg
Crew (2) with parachutes .....	180	kg
Oil .....	7	kg
Fuel, 150 litres .....	110	kg
Radio equipment plus sundries .....	38	kg
Total weight ...	860	kg

Wing loading 860/14.7 = 58.5 kg/m<sup>2</sup>  
 Power loading 860/145 = 5.9 kg/HP

### ENGINE:

CONTINENTAL C-145-2 with automatically variable pitch propeller of the type AEROMATIC F 200.

### PERFORMANCE: (at all-up weight 860 kg)

Max. horizontal speed (2700 r.p.m.)... 215 km/h 116 knots  
 Max. cruising speed (2450 r.p.m.)... 186 km/h 100 knots

Normal cruising speed (2300 r.p.m.)...	170 km/h	92 knots
Stalling speed (engine off):		
Flaps neutral (indicated) .....	69 km/h	37 knots
Flaps 30° (indicated) .....	50 km/h	27 knots
Stalling speed (engine on):		
Flaps neutral (indicated) .....	47 km/h	25 knots
Flaps 30° (indicated) .....	37 km/h	20 knots
Service ceiling .....	about 4500 m	
Rate of climb, sea level .....	3.5 m/sec.	
Best climbing speed .....	110 km/h	60 knots
Best gliding speed .....	103 km/h	55 knots
Rate of glide at 103 km/h .....	1:8.7	
Take of distance on grass (2.5 m wind)		
At sea level .....	100 m	
Landing run on grass (2.5 m wind)		
At sea level .....	60 m	

### CONSUMPTION:

Fuel at 2450 r.p.m. ....	37 l/h
Fuel at 2300 r.p.m. ....	33 l/h
Fuel at 2200 r.p.m. ....	30 l/h

Oil on an average of .....

0.6 l/h

### RANGE:

At 2450 r.p.m. - 4	hours - 740 km
At 2300 r.p.m. - 4 1/2	hours - 770 km
At 2200 r.p.m. - 5	hours - 800 km



# SKANDINAVISK AERO INDUSTRI A/S

1, JENS KOFODS GADE - COPENHAGEN