



**A-42PE**  
PATROL SEARCH AND RESCUE  
AMPHIBIOUS AIRCRAFT

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### CHARACTERISTICS

#### DIMENSIONS

Wing span 136 ft. 6.5 in. / 41.62 m  
Aircraft length 154 ft. 2.5 in. / 47.16 m  
Aircraft height 36 ft. 4 in. / 11.07 m  
Wing area 2153 sq. ft. / 200 sq. m  
Wheel base 48 ft. 8 in. / 14.835 m  
Wheel track 18 ft. 8 in. / 5.71 m

#### WEIGHTS

Take-off weight 211644 lb. / 96000 kg  
Mission load weight:  
- normal 8818 lb. / 4000 kg  
- maximal 13228 lb. / 6000 kg

#### FLIGHT DATA

Flight altitude:  
- cruise 32810-39370 ft. / 10000-12000 m  
- submarine search 328-656 ft. / 100-2000 m

#### Flight speed:

- maximal 432 Kts. / 800 km/h  
- cruise 367-400 Kts. / 680-740 km/h  
- submarine search 216-243 Kts. / 400-450 km/h

Ceiling flight altitude with 5% guarantee fuel reserve  
in ferry configuration 4320 NM / 8000 km

#### MISSION DATA

Aircraft tactical action radius for antisubmarine  
operation with normal mission load and 5%  
guarantee fuel reserve:

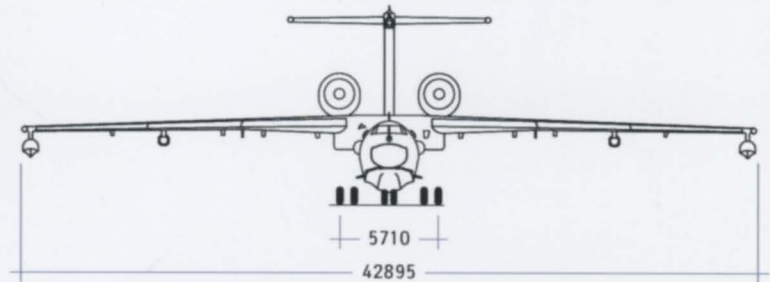
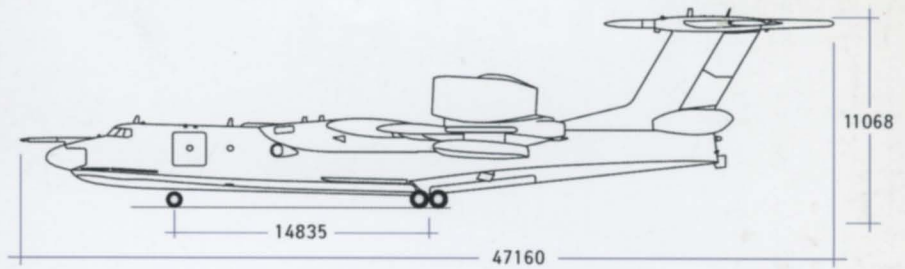
- when using sonar buoys and loitering within the  
area during 4 hours:
  - without in-flight refueling 1080 NM / 2000 km
  - with in-flight refueling 1890 NM / 3500 km
- when using dipping sonar module while afloat  
without in-flight refueling 1350 NM / 2500 km

Deployment conditions airfield, class I;

water airdrome

Seaworthiness sea state 4 (wind wave height up to 2 m)

Crew 7-8 people



A-42PE patrol search and rescue amphibious aircraft in its export version is designed for patrol operations in maritime and coastal areas.

The aircraft is equipped with two PS-90A turbojet engines with the take-off thrust of 16000 kg each.

Special equipment integrated systems: «Sea Dragon» mission system, ARIA-V integrated flight and navigation system and airborne communication system.

Runway length required for operation  
in ISA 6562 ft. / 2000 m

*NOTE: Information, technical data and performance figures in this brochure are of a general nature only and are subject to change. The information here is not intended to convey guarantees or warranties of any kind, and any guarantees or warranties that are offered to customers are provided in their specific purchase agreements.*