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AIRCRAFT



BERIEV
AIRCRAFT COMPANY

IRKUTSK
AVIATION INDUSTRIAL
ASSOCIATION

BETA AIR



The Be-200
Multipurpose

Amphibious Aircraft
is the brand-new amphibian
in the family of
the hydroplanes.

Based on and incorporating
the outstanding features of
the world known
A-40 "Albatross"
amphibious aircraft,
the medium class Be-200 has
been primarily designed
for fighting forest
and land fires
from the air.

The successful idea
of amphibious aircraft use
was extended to
other maritime applications.

A wide range of the
aircraft modifications
has been developed
for accomplishment
of various missions:
SAR and medical evacuation,
maritime patrol of
economic zones,
environmental monitoring,
freight and/or passenger
transportation.



Due to perfect air- and hydrodynamic structure the Be-200's
performance is equal to similar land-based turbojets in addition
offering the unique possibility of amphibious ground
and water take-off and landing.





Purpose: fire detection and suppression in difficult-to-access localities by land fire crews. Fire fighting is carried out by multiple water dropping on fire sites. Be-200 is equipped with 8-section water tanks of 12-ton capacity located in the bottom part of the hull. Water can be loaded on the airfield as well as scooped on gliding over the sea surface.

To increase fire fighting efficiency the chemical retardants are injected into water. The 6 tanks of the total 1.2 mJ capacity for fire-extinguishing liquid chemicals are installed on board.

Water drops are performed in salvos (one drop) or in trails when tank doors are opened in sequence to adjust the volume of water dropped depending on fire characteristics.



the only turbofan amphibious
fire fighter in the world

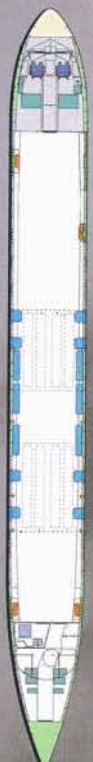
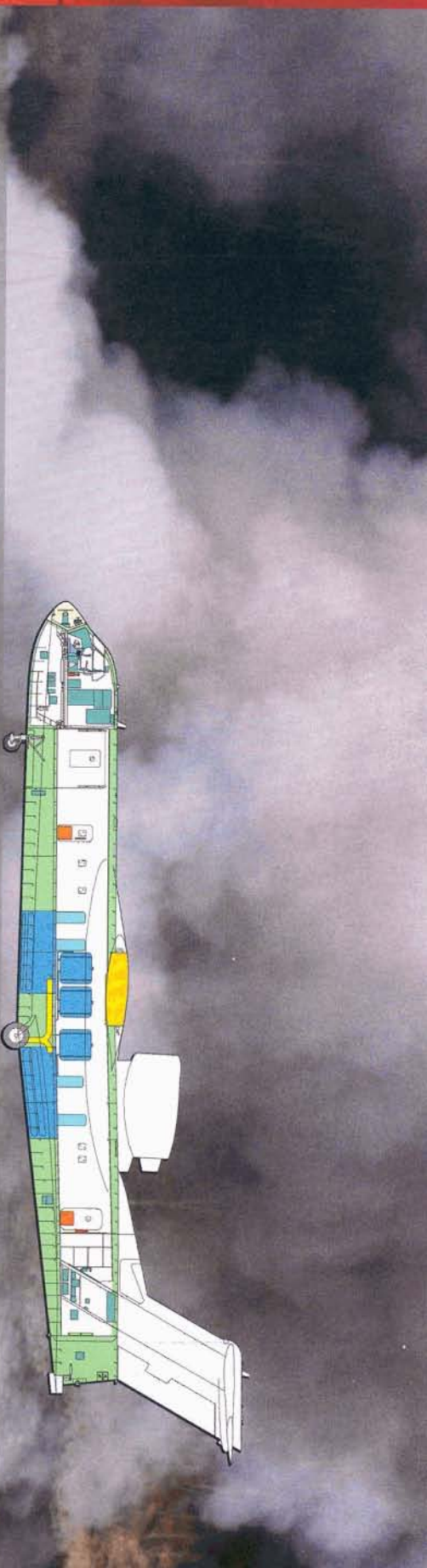
state-of-the-art digital
avionics

2-pilot crew

unmatched water tank capacity

operated from any water source
(sea, river, lake)

large range and payload



Fire-Fighting Aircraft

Be-200 (03)



In this version the basic equipment and systems are supplemented with standard seats, emergency rescue and cargo mooring equipment.

The middle section of cargo compartment accommodates fixed containers for special cargoes (including inflammable and dangerous).

The aircraft provides for the transportation of the accompanying fire brigade (up to 26 people).



Fire-fighting aircraft with transport capability

The Be-200 ensures:

delivery of rescue team
(up to 50) and SAR equipment
to disaster area

delivery of first-aid
loads to a predetermined
site on ground or water

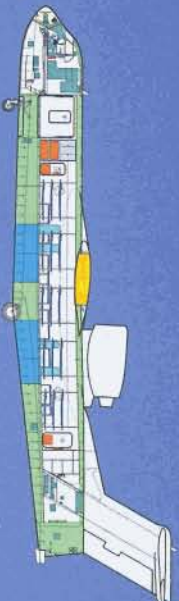
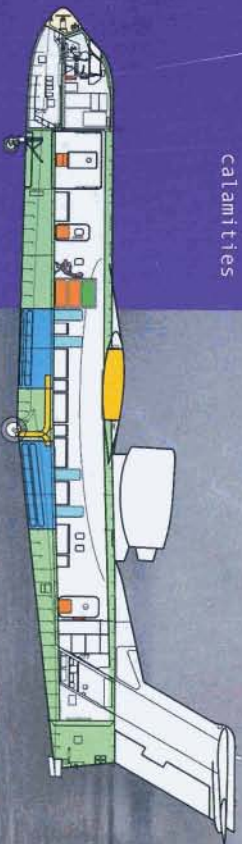
evacuation of survivors
(up to 60)

search and detection
of the shipwreck location
in a restricted sea area

visual and electronic
identification
and classification of the
target

Tasks:

search, visual
and electronic surveillance,
rescue and evacuation
of survivors
in disasters and natural
calamities



Medevac variant of the Be-200 provides for transportation of 30 injured on stretchers.



The Be-200 combines the best of land,
sea and air rescue craft - high speed,
long range and endurance.





Reconnaissance and detection of infringer boats (ships) in a restricted sea area

Visual and electronic classification of a target

Reporting of the infringement to the headquarters

Seizure of the infringer

Frontier vessels aiming at the infringer boat

Visual reconnaissance of the illegal fishing facilities used by infringer boats

Documentation of time and place of border trespassing

The missions are carried out all year round, day and night.

Flight crew:
2 pilots

Crew members:
up to 7
(depending upon mission)



Patrol Aircraft

(06) Be•200

efficient regional
transport

network organization by
delivering freight to the
hydroport located near
the hub airport

transport freight to remote
islands having no runways,
sea rigs and ships at sea

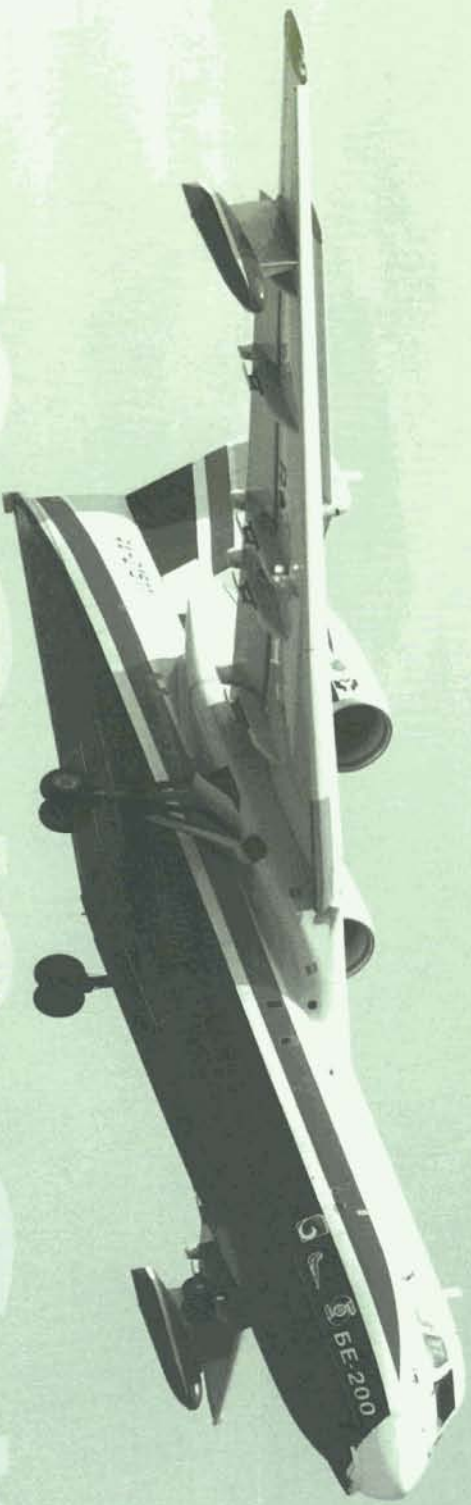
provide transportation
to difficult-to-access
regions

Modifications:

Cargo
(max payload 7500 kg)

Cargo-passenger
(payload 3000 kg of
freight and 28 passengers)

Range, speed and payload
of the BE-200 make it
the most effective
transport for connecting
main airports
to remote areas



Transport Aircraft

Be-200 (07)



The Be-210 amphibious aircraft

is conceived as a commuter passenger 72-seater to be operated

in the regions lacking the traditional airport infrastructure.

Possessing the ability to take off and land on water

the Be-210 allows not only expand transportation network in littoral states and between islands but also come up with the appropriate solution of the present-day urgent problem of the airports congestion.

Exotic tourist sites and routes inaccessible to the mass public hitherto will become the favorite

journey destinations with the Be-210 use.

The Be-210 efficiency is in its flexibility:

it can be operated from any water source 1,330 m long and 3 m deep at maximum wave height 1.2 meters.

To meet most diverse customer requirements the aircraft can be executed in different interior options.

We offer first class, business class and mixed layout options as well as executive variant of the Be-210 amphibious aircraft.

Fire Fighting Variant: Take-off Weight - 37.2 t



Cruise Speed:

Maximum - 710 km/hour

Economy - 600 km/hour

Operational Ceiling - 8000 m

Max Range (one hour fuel reserve) - 3600 km/hour

Take-off Distance up to H=10.7 (ISA, sea level):

Land - 700 m

Water - 1000 m

Landing Distance from H=15 m (ISA, sea level):

Land - 950 m

Water - 1300 m

Weight of Water Scooped on Gliding - 6-12 t

Water Tanks - 12 m³

Tanks for Chemical Liquid - 1.2 m³

Maximum Afterscooping Weight - 43 t

Scooping Speed - 160-190 km/hour

Scooping Time - 14 sec

Scooping Distance - 1.330 m

Minimum Speed at Water Drop - 220 km/hour

Weight of Water Dropped per fuelling - up to 270 t

Seaworthiness - 3 points

Wave Height - up to 1.2 m

Crew - 2

Passenger Variant: Take-off Weight - 42 t



Range - 1850 km

Seats (economy class) - 72

Pitch - 750 mm

Crew - 2

Flight Attendants - 2

Cargo Variant: Take-off Weight - 42 t



Maximum Load-carrying Capacity - 7.5 t

Range with 6.5 t Payload (one hour fuel reserve) - 1850 km

Cargo Cabin:

Length - 17 m

Width - 2.6 m

Height - 1.9 m



BETA AIR Joint-Stock Company was founded in 1991.

The enterprise responsibility extends to the entire process of development, manufacturing and after-sales service of the Be-200 new generation amphibious aircraft. Major Russian and foreign companies are the founders and the participants of the project. The main purpose of BETA AIR establishment is creation of the solid management structure for the implementation of the joint project. The main BETA AIR activities are finance attraction and planning, project management, logistics management, marketing, certification, establishment of the after-sales maintenance network, flight and technical crew training.

Since its foundation the range of company's activities increased. Today our engineers provide new solutions on development and introduction of brand-new state-of-the-art aviation test equipment and software design. Automatic Test Equipment (ATE-200) developed by BETA AIR specialists proves to be the most effective equipment for aircraft units testing and enables gross time and cost savings as compared to the Standard Test Equipment commonly used in aviation today.

BETA AIR approach to the successful promotion of the Be-200 to the world market is based on understanding of potential customer needs - to purchase an aircraft and the full, efficient and cost-effective package of after-sales maintenance services. This is supported by establishment of flight and technical crew training center, agreements on foundation of international MRO centers, spare parts and ground test equipment supply to the customer. We constantly keep in touch with the potential customers to serve your needs at its best.

THE INFORMATION IN THIS BROCHURE IS SUBJECT TO CHANGE WITHOUT NOTICE AND DOES NOT CONSTITUTE AN OFFER

BETA AIR principals:



BERIEV Aircraft Company,
Taganrog, Russia



Irkutsk Aviation Industrial
Association,
Irkutsk, Russia



Joint-Stock Commercial
Industrial
Investment Bank of Ukraine,
Kiev, Ukraine



ILTA Trade Finance SA,
Geneva, Switzerland



Beta Air

(10) Be-200