



SPETS  
TECHNO  
EXPORT

# AN-132

NEW GENERATION OF LIGHT  
MULTIPURPOSE TRANSPORT AIRCRAFT



## AN-132 – REPLACEMENT OF AN-26, AN-32 AND CN-235 AIRCRAFT

**AN-26**



**AN-32**



**CN-235**



**AN-132**

- Superiority by all flight and technical characteristics

- Airborne equipment and avionics of modern generation



- Expanded transport capabilities

## AN-132 MAIN PERFORMANCE



**PW150A**

 **ENGINE TYPE**  
PW150, 2x5071 shp


 **LOAD FACTOR**  
2.5 g

 **MAX TAKEOFF WEIGHT**  
31 500 kg

 **MAX PAYLOAD**  
9200 kg

 **MAX CRUISING SPEED**  
550 km/h

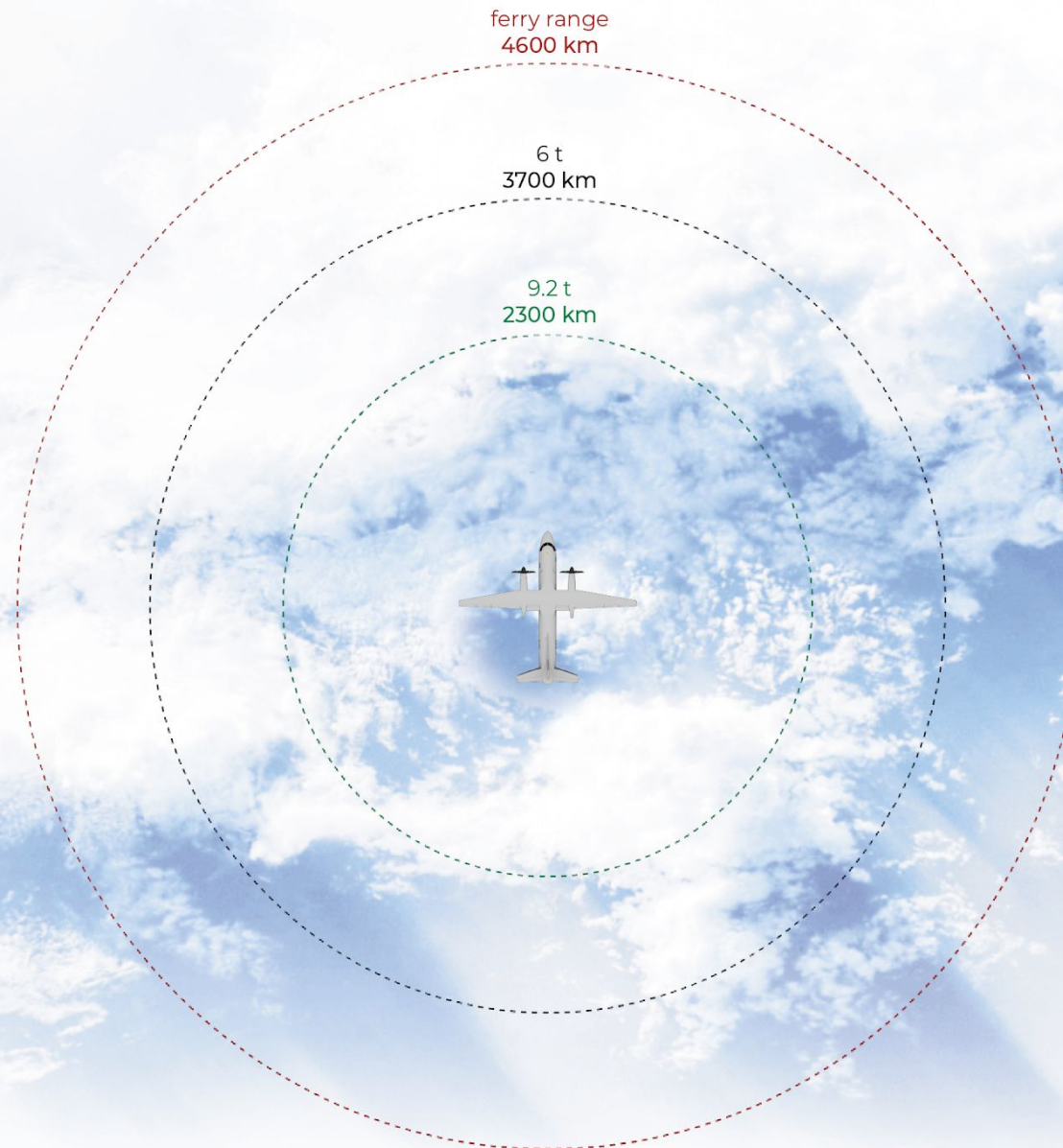
 **MAX CRUISING ALTITUDE**  
8230 m

 **FLIGHT RANGE**  
2300 km with max payload  
3700 km with 6 t payload  
4900 km ferry range

 **AIRCRAFT DESIGNED LIFE**  
50 000 flight hours  
30 000 landings  
50 years service life



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AN-132  
FLIGHT RANGE



## AN-132 MAIN FEATURES



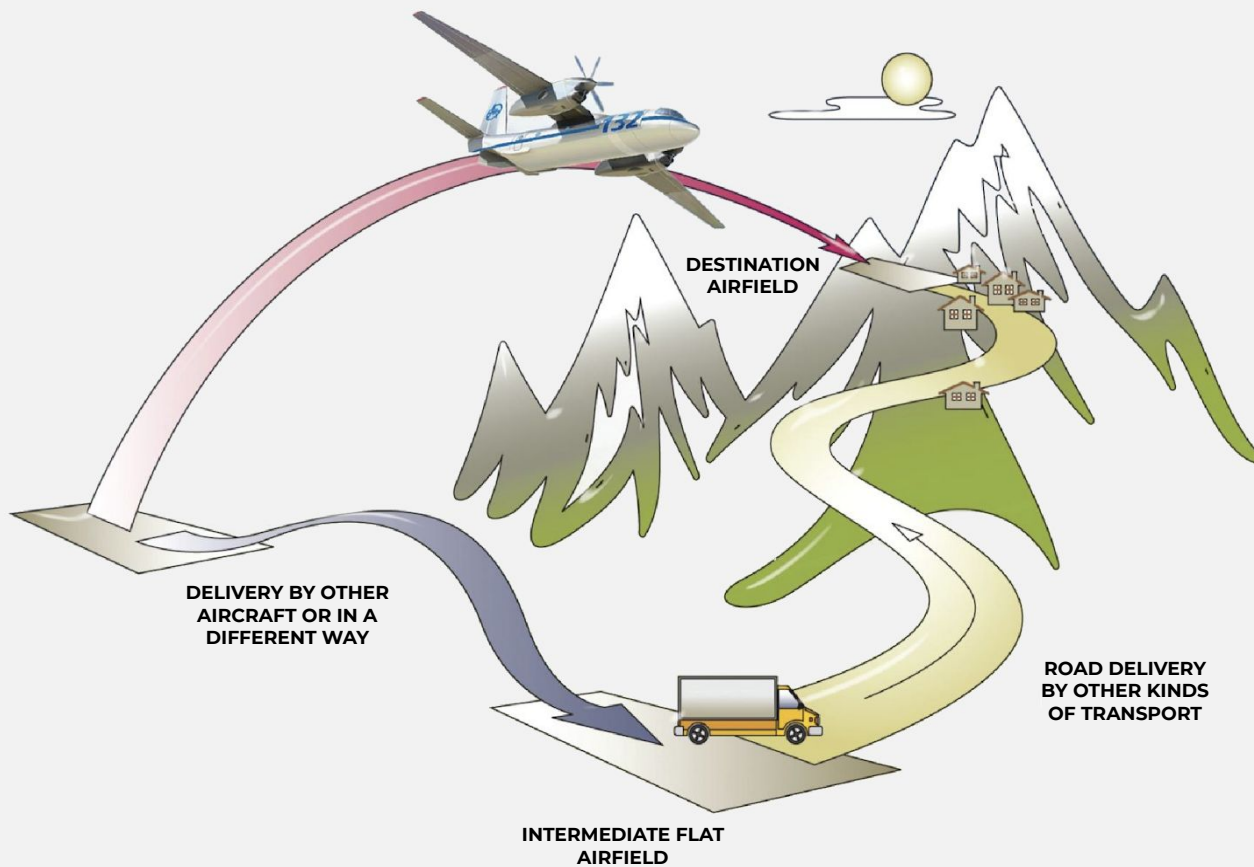
### WIDE RANGE OF OPERATIONAL CONDITIONS:

- in different climatic zones:
  - hot climate (up to +45°C);
  - high-level conditions up to 3000 m;
  - humid marine climatic conditions.
- from unpaved airfields
- from short runway

- Simplicity in operation
- Reliability, simplicity of a design and maintainability
- Low operating and support costs



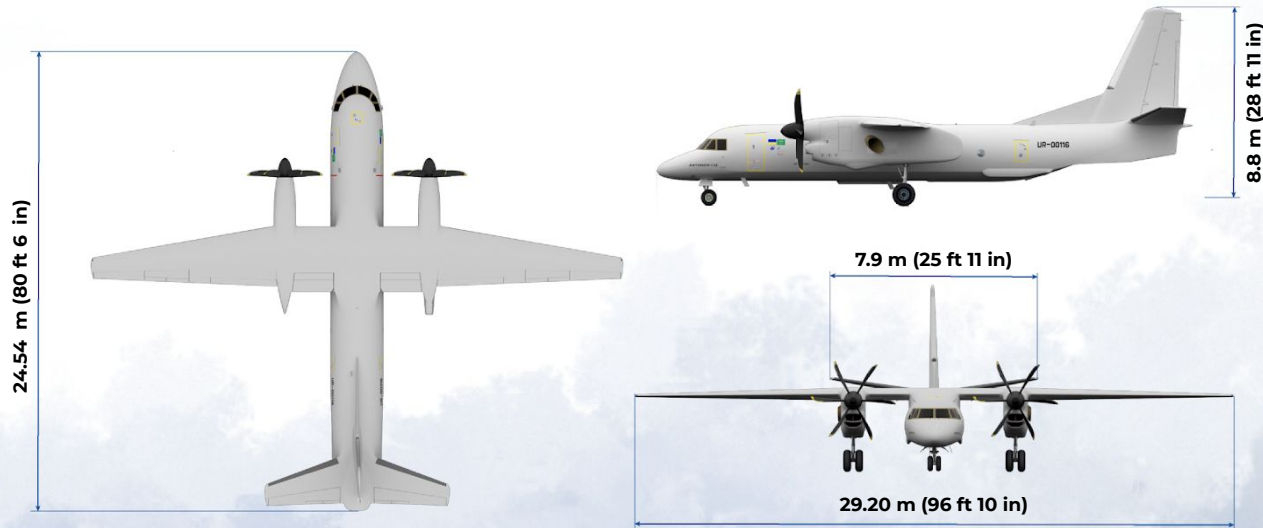
## AN-132 MAIN TASKS



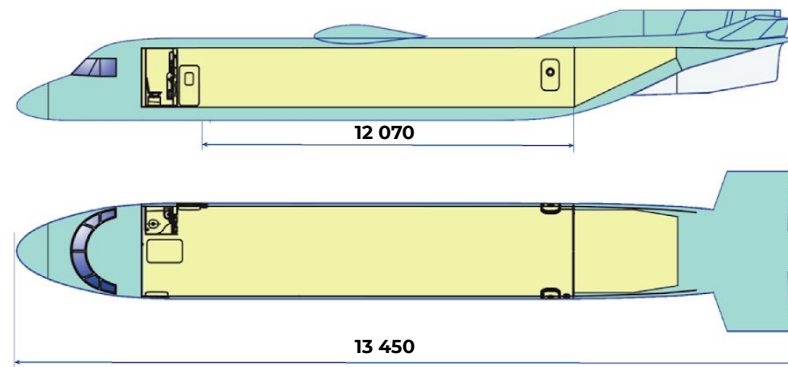
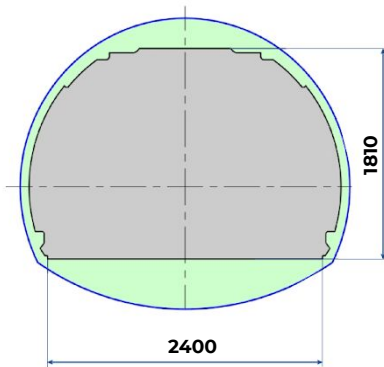
En route transportation of material, mail and other cargoes 'in bulk' or using aviation pallets as well as transportation of light self-propelled and non-self-propelled vehicles

- Transportation of personnel, light weaponry and military equipment, vehicles and cargoes
- Airdropping of light cargoes, personnel, materiel and stores for the armed forces
- Emergency management missions include: evacuation of civilian population from disaster areas as well as casualties at standard army stretchers and airdropping of paratroop rescue teams

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AN-132  
MAIN VIEW



# AN-132 CARGO COMPARTMENT



Optimal dimensions of a cargo compartment and modern loading/unloading equipment enable the aircraft to efficiently perform the whole range of transport tasks





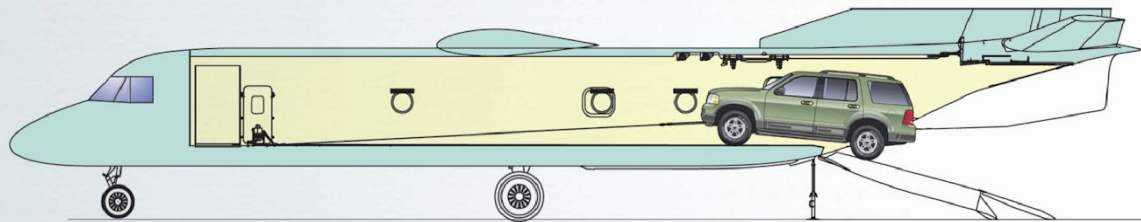
## AN-132 TRANSPORT EQUIPMENT



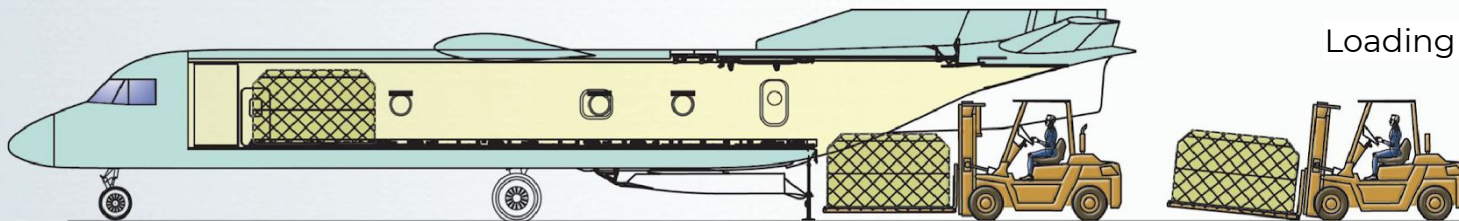
- **upper loading equipment:**  
monorail with two carriages, equipped with hook suspensions with total maximum lifting capacity of 3000 kgf;
- **mechanization of loading/offloading and application of the auxiliary power unit** ensures independent operation of the aircraft from non-sufficiently equipped airfields

- **lower loading equipment:**
  - one winch for loading of non self-propelled vehicle with traction force of 530 kgf;
  - lashing equipment: rack, lashing nets, belts, clamps, straps, knots.
  - roller track equipment for transportation and airdropping of the following cargoes:
    - NAS 3610 (88" x 54", 88" x 108", 88" x 125") and MIL-P- 27443 (88" x 108") pallets as well as A-22 (48" x 48")
    - containers and platforms Type V/88";

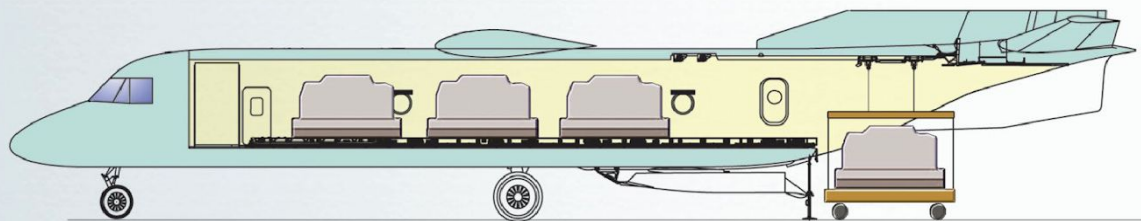




Loading of non-self-propelled vehicles by winch

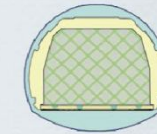
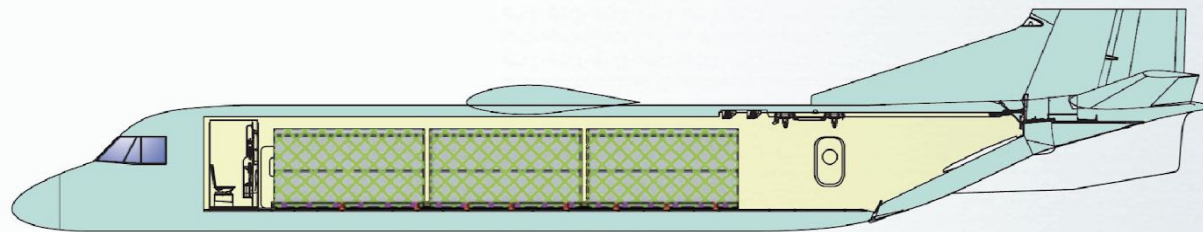


Loading by forklift

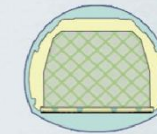
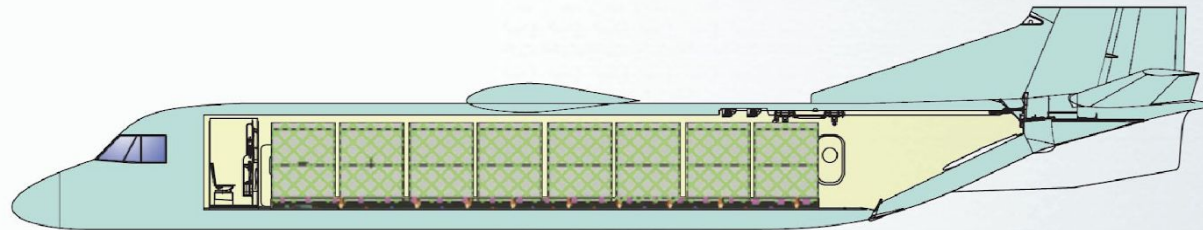


Loading by upper handling equipment (option)

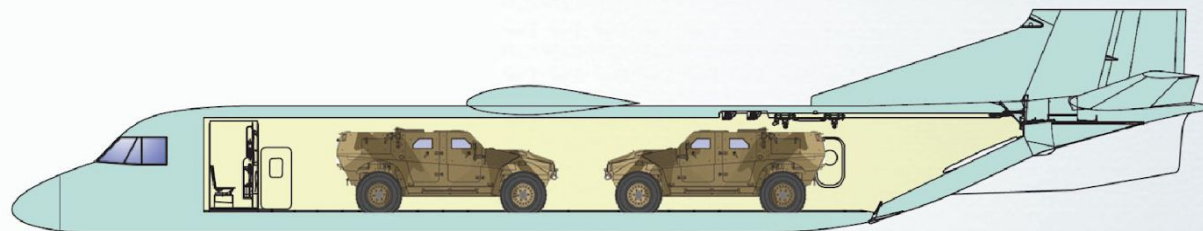
## TRANSPORTATION OF PALLETS AND LIGHT VEHICLES



Transportation  
of 3 pallets 88" x 125"

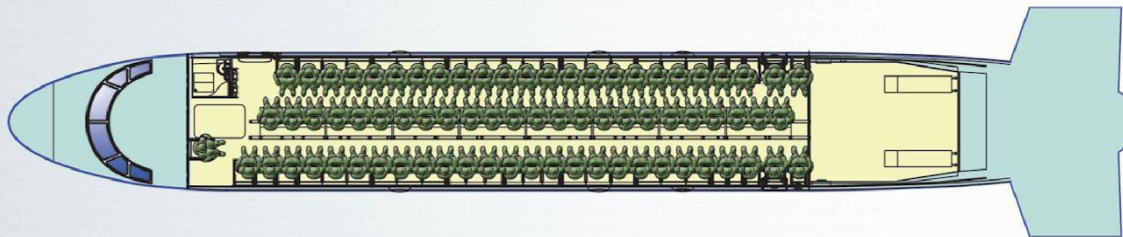


Transportation of 8  
pallets 88" x 54" or 4  
pallets 88" x 108"

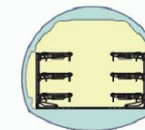
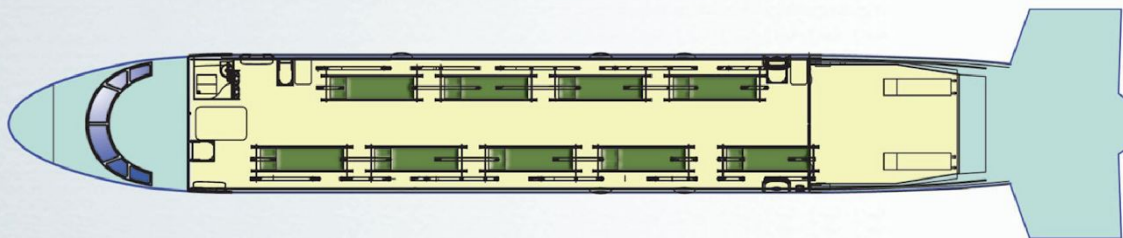


Transportation of light  
vehicles

# TRANSPORTATION OF TROOPS AND WOUNDED

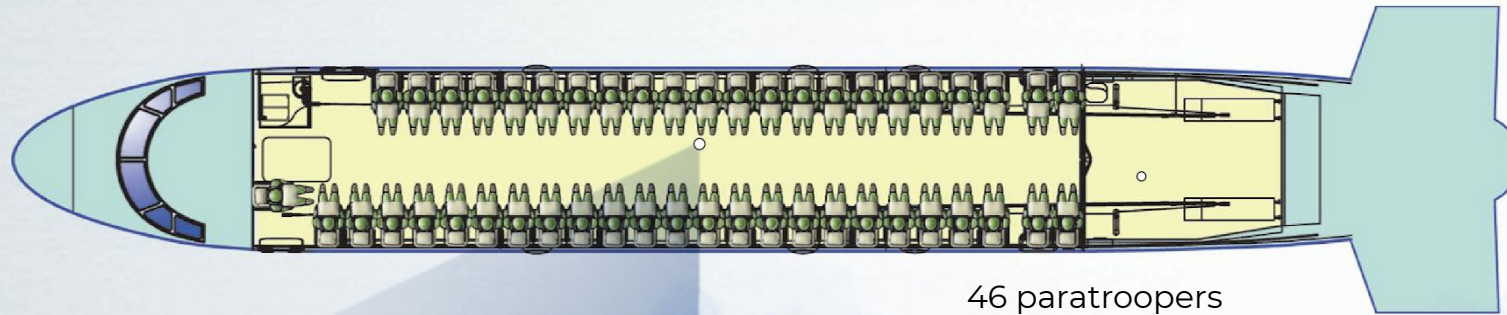


75 soldiers



27 wounded on the  
stretchers

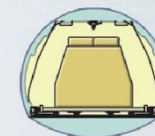
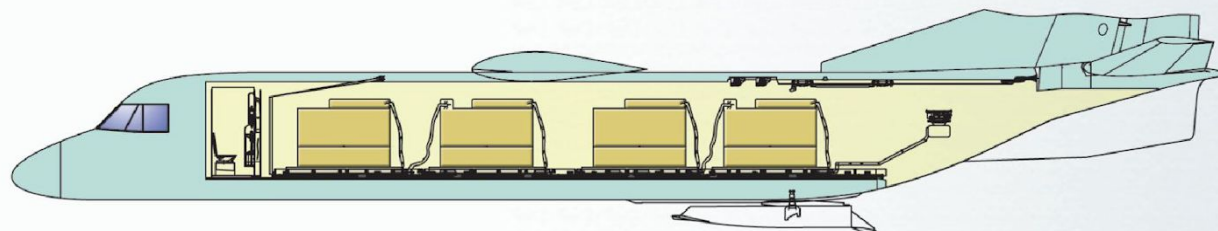
# AN-132 TRANSPORTATION OF PARATROOPS



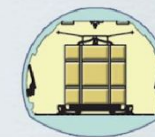
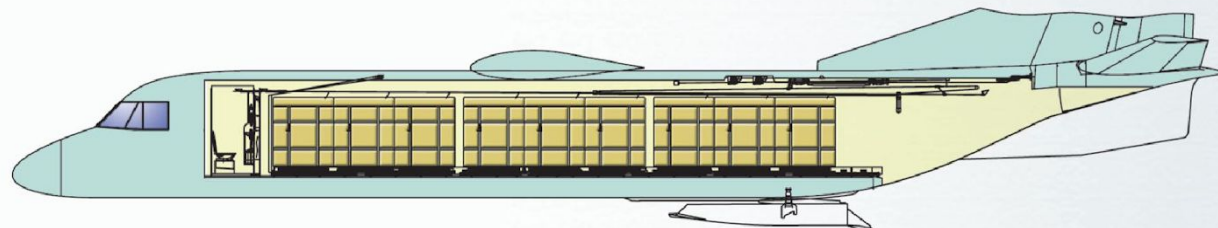
46 paratroopers



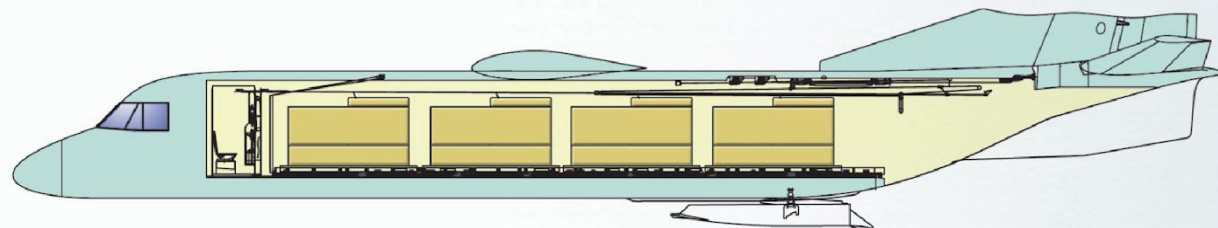
# AN-132 AIRDROPPING OF CARGOES



Paradropping of Type  
V/88" platforms



Paradropping of A-22  
type containers

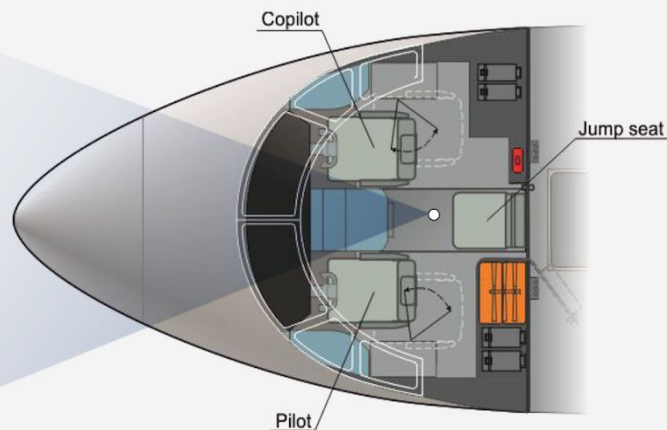


Paradropping of  
MIL-P-27443E  
(88" x 108") pallets

## AN-132 NEW GLASS COCKPIT AND AVIONICS

The flight, navigation and radio communication equipment is compliant with current and future ICAO recommendations and EUROCONTROL requirements, including:

- Precise navigation in accordance with RNP-5 and RNP-1;
- Flying in RVSM zones;
- Automated flight planning with navigation database;
- Flights in automatic mode by SID, STAR, APPROCH, MISSED APPROACH standard schemes;
- Early ground proximity warning system;
- Air collision avoidance system;
- Detection of wind shear;
- Radio communication within 8.33 kHz channel spacing;
- Two-way communication within HF range;
- Documentation of the crew members conversation during two hours



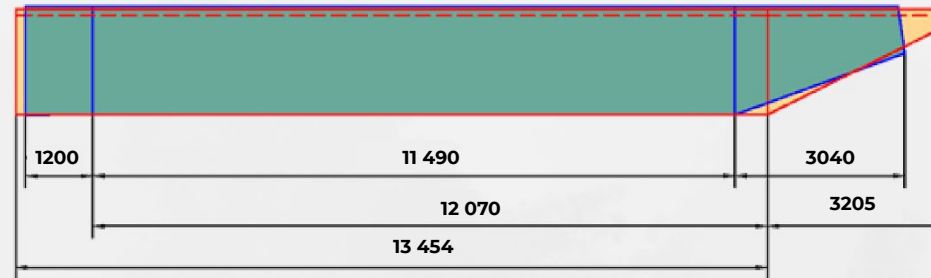
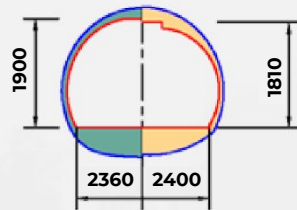
## AN-132B VS C295 AND C-27J AIRCRAFT PERFORMANCE COMPARISON

|  | <b>AN-132</b>              | <b>C295</b>                 | <b>C-27J</b>                |
|--|----------------------------|-----------------------------|-----------------------------|
| <b>STATUS</b>  | Development                | In production<br>In service | In production<br>In service |
| <b>ENGINE</b>  | PW150D<br>2 x 5071 shp     | PW127G<br>2 x 2290 shp      | AE 2100D2<br>2 x 4640 shp   |
| <b>MTOW</b>  | 31,5 t                     | 21 t                        | 30,5 t                      |
| <b>MPL</b> (Maximum payload)   | 9,2 t                      | 6,8 t                       | 9 t                         |
| <b>CARGO CABIN VOLUME</b><br>(without cargo ramp)  | 54 m <sup>3</sup>          | 56 m <sup>3</sup>           | 69,5 m <sup>3</sup>         |
| <b>CARGO CABIN FLOOR AREA</b><br>(without cargo ramp)                                      | 29 m <sup>3</sup>          | 30 m <sup>3</sup>           | 23,2 m <sup>3</sup>         |
| <b>MAX CRUISING SPEED</b>  | 550 km/h                   | 480 km/h                    | 580 km/h                    |
| <b>MAX CRUISING ALTITUDE</b>   | 8230 m                     | 7620 m                      | 9150 m                      |
| <b>FLIGHT RANGE</b><br>– with max payload<br>– with payload 6 t<br>– ferry range           | 2300 m<br>3700 m<br>4600 m | 1420 m<br>2030 m<br>5150 m  | 1500 m<br>3170 m<br>5440 m  |
| <b>FUEL EFFICIENCY</b>   | 221 g/t*km                 | 211 g/t*km                  | 239 g/t*km                  |
| <b>AIRLIFT CAPABILITIES</b><br>– soldiers<br>– paratroopers<br>– wounded on the stretchers | 75<br>46<br>27             | 71<br>50<br>27              | 62<br>46<br>36              |

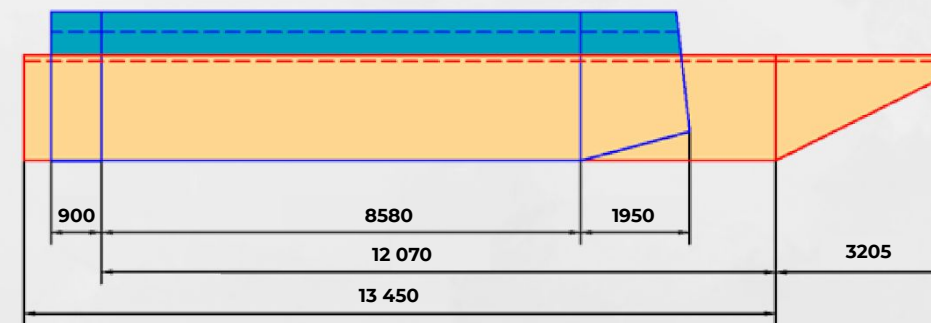
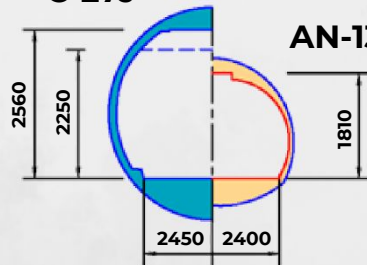


# AN-132B VS C295 AND C-27J CARGO CABIN COMPARISON

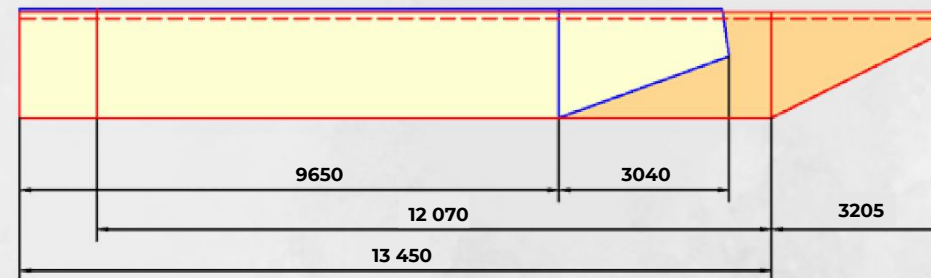
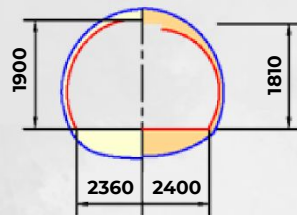
**C-295**      **AN-132**



**C-27J**      **AN-132**

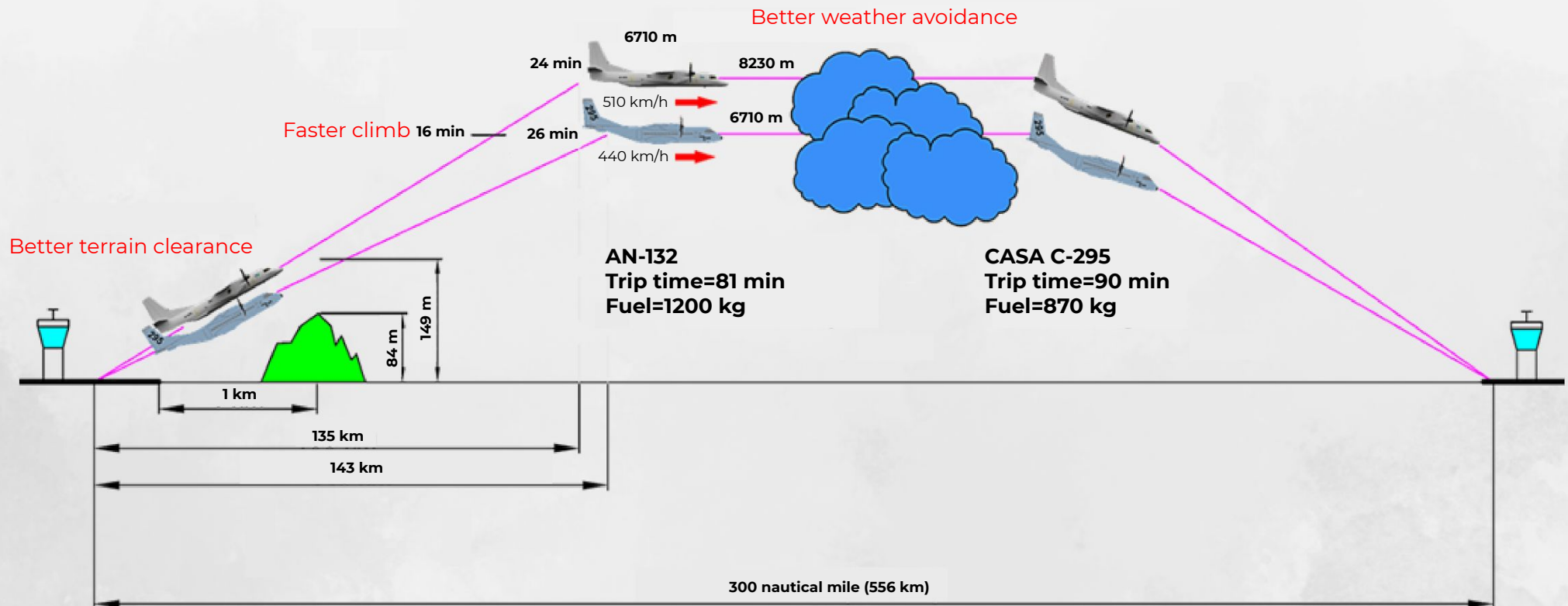


**C-235**      **AN-132**



# AN-132B VS C295 AIRCRAFT PERFORMANCE COMPARISON

Transportation of cargo in weight 7 t on 300 nautical mile



Better rate of climb and cruise altitude of aircraft is more suitable for operate in mountain and adverse weather conditions

## AIRCRAFT MAINTENANCE STRUCTURE

| CHECK   | TIME INTERVAL                           |
|---|---|
| <b>LINE MAINTENANCE</b>   |   |
| <b>DAILY «E» CHECK</b>  | At least once every two days (48 hours) |
| <b>FORTNIGHTLY «W» CHECK</b>  | Once every 15-20 days                   |
| <b>BASE (PERIODIC) MAINTENANCE</b>                                      |   |
| <b>«A» CHECK</b>  | 400 hours or 6 months                   |
| <b>«C» CHECK</b>  | 36 months (about 6000 hours)            |
| <b>PERIODIC MAINTENANCE FOR AIRFRAME AND CRITICAL PARTS OF AIRFRAME</b> |   |
| <b>«SA» CHECK</b>   | Every 300 landings or 6 months          |
| <b>«SC» CHECK</b>   | Every 36 months or 3000 landings        |

## AN-132

### VARIANTS FOR SPECIAL PURPOSES



Intelligence, surveillance & reconnaissance

- Surveillance and patrolling
- Intelligence and reconnaissance
- Radio/electronic countermeasures (ECM)



Light gunship aircraft

- Struggle against terrorists
- Isolation of areas of special actions



Maritime patrolling



Aircraft for the fire extinguishing

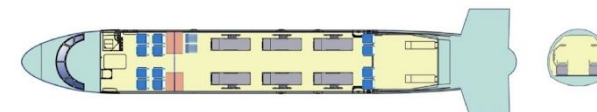


Sea rescue aircraft



Medevac aircraft

installation of removable medical  
reanimation modules





EST. 1998

## SPETSTECHNOEXPORT

A major Ukrainian state-owned foreign trade enterprise, which specializes in export and import of military and dual-use products and services globally, as well as on promoting innovations, transfer of technology and military-technical cooperation

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OVER

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**22**  
years of  
experience

**30**  
partner  
countries

**170**  
state and private  
producers

**30**  
research centers  
and design bureaus



# OUR EXPERTISE

Aircraft engineering and maintenance

UAV and Anti-UAV defense systems

Military and special purpose armored vehicles

Small arms and light weapons

Precision-guided weapons

Radars and air defense

Maritime systems

R&D services





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