

IL-76

Transport Aircraft





IL-76TD

PERFORMANCE

General Data

IL-76TD aircraft is the evolution of the transport modification of the IL-76T aircraft.

The transportation efficiency of the aircraft has been improved, in comparison with IL-76T, by way of increasing maximum takeoff weight from 170 to 190 tons, maximum commercial load from 43.4 to 50 tons, and practical flying range with increased maximum load. Due to increased maximum takeoff weight and commercial load, and in order to improve operating life figures, the structures in the wing, fuselage and landing gear have been reinforced.

The aircraft is equipped with D-30KP series 2 engines ensuring maintenance of maximum takeoff thrust at higher temperatures of ambient air.

Implementation of methodologies developed by the State Research Institute of Civil Aviation and Design Engineering Bureau of Takeoff Methods allow IL-76TD to operate from the same airstrips as the IL-76T, but with the increased takeoff weight, and its improved fuel efficiency ensures larger cargo transportation volumes, while consuming the same amount of fuel.

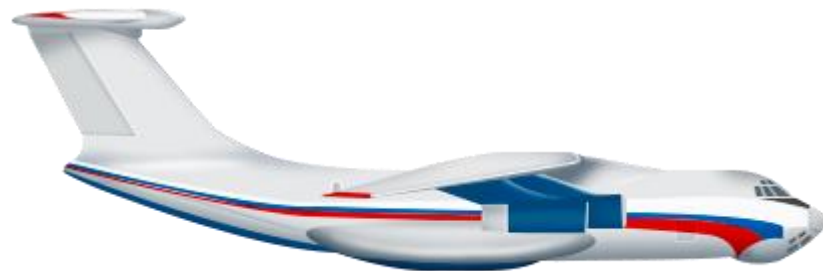
IL-76TD ensures transportation of a wide variety of cargoes in all kinds of conditions. Technical capabilities of the aircraft allow its operation in extreme conditions of the Antarctic, where it has been used successfully as the main transportation aircraft for many years already.

TOP THRUST (SI
SYSTEM, H=0)

4x12000

KGF

 Another figure





IL-76TD - Specifications

Main technical characteristics

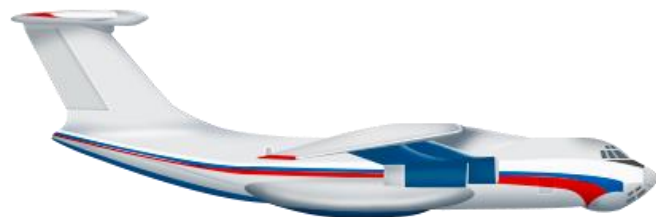
Dimensional characteristics



Length, m	46,6
Height, m	14,76
Wingspan, m	50,5
Wing area, sq. m.	300
Fuselage diameter, m	4,8

Power plant parameters

Number x engine type	4 x turbojet engine
Engine	D-30KP series 2
Top thrust (SI system, H=0), kgf	12 000





IL-76TD - Specifications

Weight parameters

Maximum takeoff weight, tons	190
Maximum payload, tons	50
Fuel tank capacity, l	109 500

Aircraft performance



Cruising speed, km/h	750–780
Flight altitude, m	9 100–12 100
Flight range with payload of 40 tons, km	4 900
Takeoff distance, m	1 700
Landing distance, m	930





IL-76TD - Specifications

Number of seats

Crew, persons	7
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Freight compartment parameters (upper deck)



Length x Width x Height, m	24,54x3,45x3,4
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Volume, cubic meters	321
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Specified life

Calendar operating life, years	40
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Number of flights	10 000
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Number of flight hours, hr.	35 000
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IL-76TD-90VD

PERFORMANCE

General Data

The Il-76TD-90VD long-haul cargo aircraft is a major upgrade of the Il-76TD transport aircraft. Il-76TD-90VD is fitted with modern engines PS-90A-76, meeting all current international ecological standards, having longer operating life and lower maintenance costs. All aircraft systems have been modernized, and a new flight and navigation complex was installed.

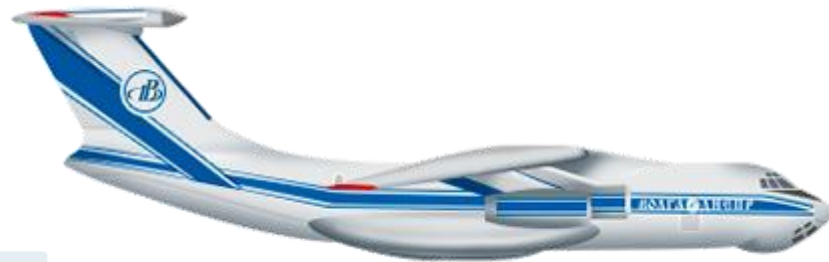
The complex of onboard transportation equipment on Il-76TD-90VD allows handling operations with the help of gear hoists, electric hoists, including handling large-sized equipment without special land-based devices, which allows autonomous operation in all kinds of aerodromes.

MAXIMUM TAKEOFF WEIGHT

195

TONS

 Another figure





IL-76TD-90VD - Specifications

Dimensional characteristics



Length, m	46,6
Height, m	14,76
Wingspan, m	50,5
Wing area, sq. m.	300
Fuselage diameter, m	4,8

Power plant parameters

Number x engine type	4 x turbojet engine
Engine	PS-90A-76
Top thrust (SI system, H=0), kgf	16 000
Compliance with ICAO standards	Appendix 16, Chapter 3





IL-76TD-90VD - Specifications

Weight parameters

Maximum takeoff weight, tons	195
Maximum payload, tons	50
Fuel tank capacity, l	109 500

Aircraft performance



Cruising speed, km/h	750–800
Flight altitude, m	9 100–12 100
Flight range with payload of 40 tons, km	5 650
Takeoff distance, m	1 300
Landing distance, m	930





IL-76TD-90VD - Specifications

Number of seats

Crew, persons	4
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Freight compartment parameters (upper deck)



Length x Width x Height, m	24,54x3,45x3,4
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Volume, cubic meters	321
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Specified life

Calendar operating life, years	25
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Number of flights	8 000
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Number of flight hours, hr.	25 000
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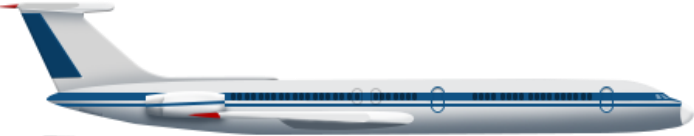


Current Aircraft Available (Please enquire)

Passenger



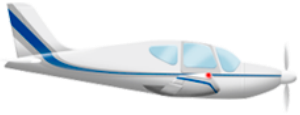
IL-96-300



IL-62M



IL-114

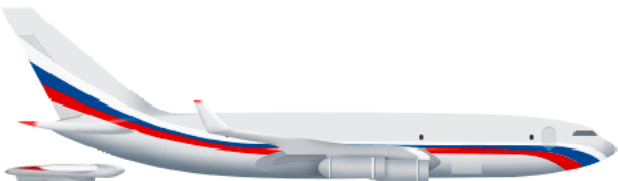


IL-103

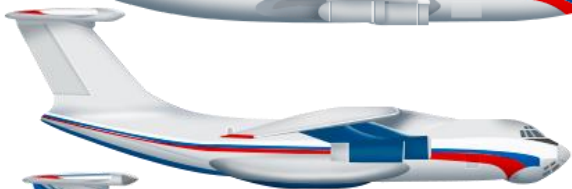


Current Aircraft Available (Please enquire)

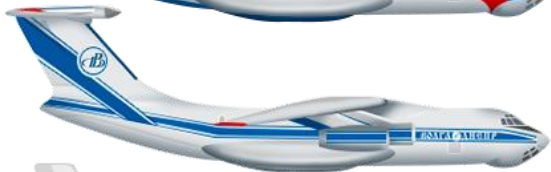
Transport



IL-96-400T



IL-76TD



IL-76TD-90VD



IL-114T

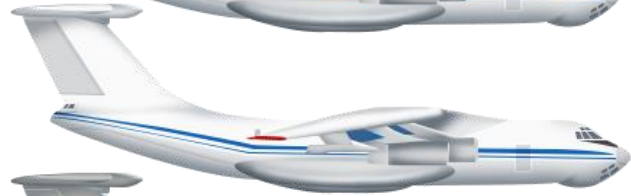


Current Aircraft Available (Please enquire)

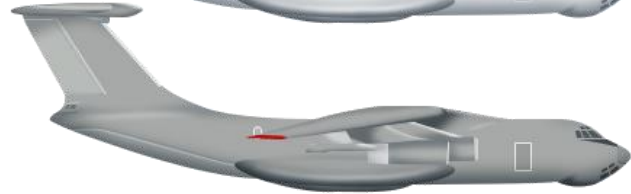
Special
Purpose



IL-96-400T



IL-76TD



IL-76TD-90VD



IL-114LL