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**IL-76TD-90VD**

www.volga-dnepr.com

Outsize & heavy
 Humanitarian
 Automotive
 Aerospace
 Industrial
 Oil & gas
 Defence

For over 25 years, the IL-76 ramp loading freighter has been one of the most frequently-requested cargo aircraft for customers all over the world. In total, 900 IL-76 aircraft were manufactured.

However, strict noise and emissions standards imposed by the International Civil Aviation Organization (ICAO) resulted in the IL-76 being prevented from operating to its major markets in Europe, the USA, Japan and Australia.

Without a comparable aircraft type in the commercial market and to meet high customer demand, Volga-Dnepr developed and implemented a modernization program for the IL-76 with the aim of launching the new generation freighter back into the global market.

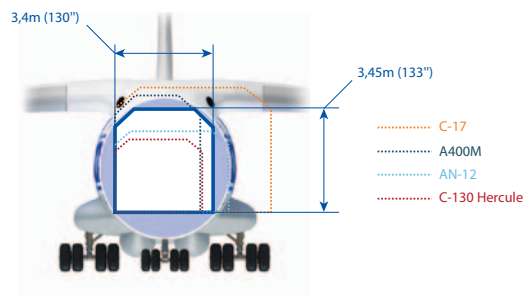
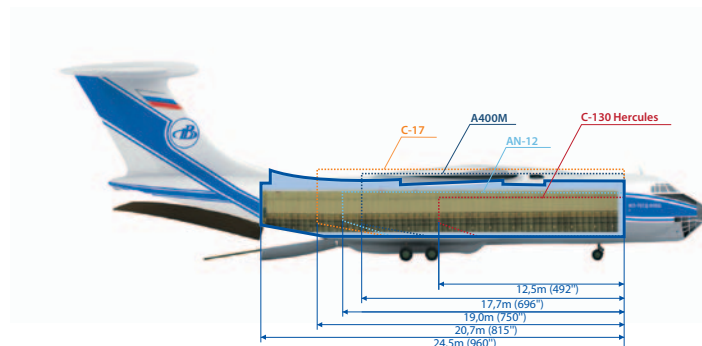
The new IL-76TD-90VD freighter is powered by modern PS-90A-76 engines and is equipped with advanced avionics systems that comply with both current and future ICAO requirements. Following its successful launch, the IL-76TD-90VD was certified by ICAO for worldwide operations and is already satisfying the logistics requirements of customers around the globe, including those in North America, Europe, Japan and Australia.

The Volga-Dnepr fleet includes five new IL-76TD-90VD freighters, operating regularly for customers in a wide range of industries, including the heavy engineering, oil and gas, automotive and aerospace sectors. It also fulfils the service requirements of government departments and international aid agencies.

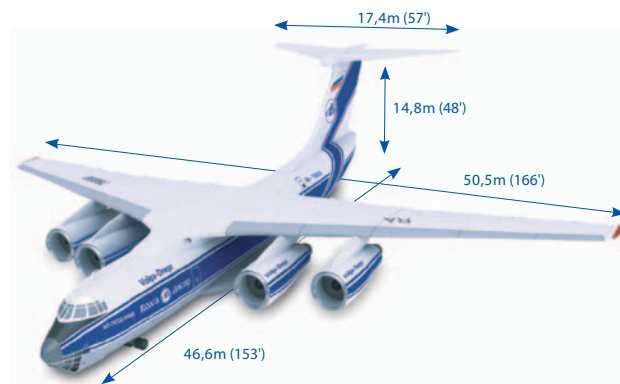
Characteristics	IL-76TD	IL-76TD-90VD
Engines	D-30KR	PS-90A-76
Thrust, kg (lbs)	4 x 12,000 (4 x 26,400)	4 x 14,500 (4 x 32,000)
ICAO Chapter IV conformance	No	Yes
Maximum Take-Off Weight, t (lb)	190 (418,900)	195 (430,000)
Operational Empty Weight, t (lb)	88 (194,000)	92.5 (204,000)
Maximum Fuel Uplift, t (lb)	90 (198,000)	90 (198,000)
Maximum Landing Weight, t (lb)	151.5 (334,000)	155 (341,000)
Maximum Weight Without Fuel, t (lb)	138 (304,000)	142.5 (314,000)
Maximum Payload, t (lb)	50 (110,000)	50 (110,000)
Cruise Speed, km/h (mph)	750-780 (465-485)	750-800 (465-500)
Flight range, km (ml)		
with maximum payload	3,400 (2,100)	4,000 (2,500)
with 40 t (88,000 lb) payload	4,000 (2,500)	4,700 (2,900)
with 25 t (55,000 lb) payload	4,600 (2,800)	5,240 (3,200)
maximum flight range	9,400 (5,800)	10,200 (6,300)
Required Runway Distance, m (ft)	2,500 (8,200)	2,500 (8,200)
Maximum Runway Elevation, m (ft)	1,800 (5,880)	3,000 (9,800)
Cargo Compartment Dimensions, m (inch)	3.4x3.45x20 (130x133x785)	3.4x3.45x20 (130x133x785)
Cargo Compartment Length Including Ramps, m (inch)	24.5 (960)	24.5 (960)
Volume of Cargo Compartment, m ³ (ft ³)	180 (5,100)	180 (5,100)
Cargo Door Size, m (inch)	3.45 x 3.0 (133 x 130)	3.45 x 3.0 (133 x 130)



Longitudinal section



Aircraft dimensions

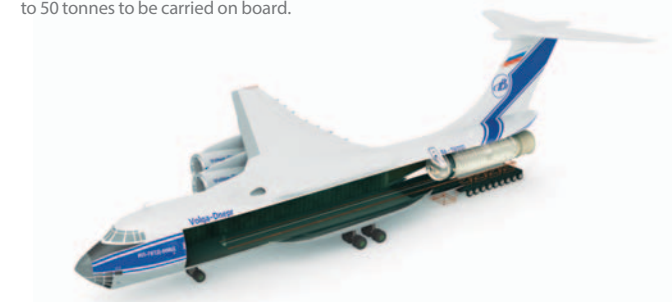


Cargo handling equipment

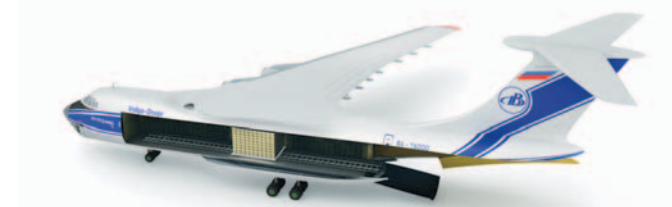
To achieve the safe and efficient loading of outsize and heavy cargoes, the freight compartment of the IL-76TD-90VD is equipped with two electric winches, each with a three tonne hauling capacity.

There are four electric hoists with 10-tonne total lifting capacity, which move on two rails along the entire length of the cargo compartment and six meters beyond the ramp threshold. It is possible to load through the cargo door into the maindeck of the aircraft directly from the ground or from a truck.

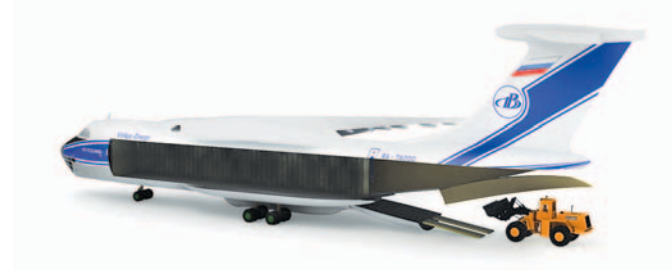
Volga-Dnepr's specialist loading equipment allows a single piece of cargo weighing up to 50 tonnes to be carried on board.



The reinforced floor of the cargo compartment can support 'super heavy' cargoes.



The cargo compartment floor can be equipped with a roller bed system to handle containers and pallets loaded with up to five tonnes of cargo.



The ramp design makes it possible to load wheeled and caterpillar machines into the aircraft under their own power.