

Ilyushin IL-76TD

The IL-76 (Candid) was designed to meet a Soviet Air force requirement for a medium to long range jet transport aircraft, having ability to operate from short, unprepared runways and airports with undeveloped infrastructure. To achieve a large, easy to load/unload cargo compartment, the IL-76 was built as a high-wing monoplane with a T-tail and rear-loading ramp. The cargo area is fully pressurized and has a titanium floor, which can accept a large variety of self-loading wheeled or tracked vehicles. A mechanical handling system, which is rated at 10 metric ton, provides loading/offloading of palletized or containerized cargo/module. Currently IL76 is available for retrofitting with PS-90 engines to meet newly implemented noise and pollution limitations.

Wing span	165 ft 7 in	50.5 m
Length	152 ft 9 in	46.6 m
Height	48 ft 43 in	14.76 m
Empty weight	202 825 lb	92 000 kg
Max take-off weight	418 878 lb	190 000 kg
Max landing weight	334 000 lb	151 500 kg
Powerplant Solovoyov D-30KP	4 x 12 000 ehp	4 x 11 770 kN
Structural payload	103 617 lb	47 000 kg
Structural volume	180 cub.m	180 cub.m
Min runway required	7 875 ft	2 400 m
Average cruise speed	405 knots	750 km/h
Fuel capacity (density 0.8)	110 000 L 194 007 lb	29 060 usg 88 000 kg
Average fuel consumption	2 972 usg/h	9 000 kg/h

