

GRIPEN



General Description

The Gripen is the first new generation, multi-role/swing-role combat aircraft to enter service. Using the latest available technology it is capable of performing an extensive range of air-to-air, air-to-surface and reconnaissance missions and employing the latest weapons. The Gripen is in service with the Swedish Air Force, has been ordered by the South African Air Force and the Hungarian Air Force and has been down-selected by the Czech Air Force.

Principal features of the Gripen are:

Single-seater

- Advanced aerodynamic layout combining a close-coupled canard delta configuration
- Lightweight structure employing advanced materials and construction techniques
- Triplex, digital, fly-by-wire Flight Control System for optimum combat agility
- Fully-integrated avionic systems operating via five MIL-STD-1553B digital databus highways
- The world's most highly developed data link
- Advanced cockpit layout with color Multi-Function Displays (MFDs) and Hands-On-Throttle-And-Stick (HOTAS) controls
- Long range Ericsson PS-05 Advanced multi-mode, pulse-doppler radar
- Low visual, radar and IR signatures
- High thrust to weight ratio Volvo Aero Corporation RM12 turbofan engine
- Globally interoperable
- Heavy and varied weapons load – an unrivalled mix of simplicity and sophistication
- 50% lower operational costs than its best competitor
- 'On-condition' maintenance
- High operational availability
- On board oxygen generation system and air-to-air refueling

Two-seater

A two-seat version of the Gripen, which retains the full operational capability of the single-seater, is also available for type conversion, tactical weapons training and more specialized missions.



Dimensions

	Single-seater	Two-seater
Wingspan (including launchers)	8.4 m (27 ft 6 in)	8.4 m (27 ft 6 in)
Length (excluding pitot tube)	14.1 m (46 ft 3 in)	14.8 m (48 ft 5 in)
Height Overall	4.5 m (14 ft 8 in)	4.5 m (14 ft 8 in)
Wheel Track	2.4 m (7 ft 9 in)	2.4 m (7 ft 9 in)
Wheel Base	5.2 m (17 ft 1 in)	5.9 m (19 ft 4 in)

Weights and Performance

Max Take-Off Weight	14 tonnes (30,870 lbs)
Max Speed	Supersonic at all altitudes

