

# Bell's V-280 tiltrotor to make first flight

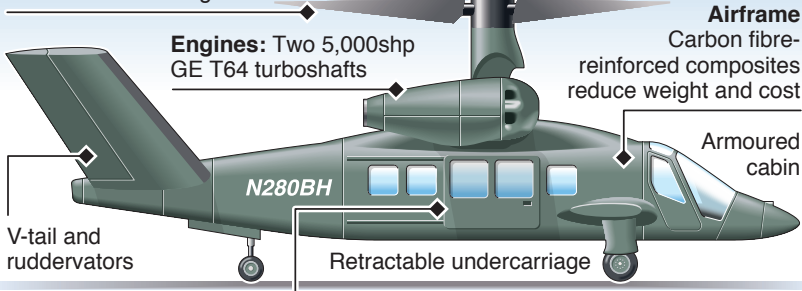
Bell Helicopter's V-280 Valor tiltrotor prototype, developed to replace the U.S. Army's UH-60 Black Hawk and AH-64 Apache helicopters, is scheduled to make its maiden flight before the end of 2017

**V-280 VALOR:** Flight demonstrator builds on tiltrotor technology of Bell's **V-22 Osprey**, used by U.S. Air Force and Marines

**Tiltrotor:** Rotors and driveshafts tilt while engine nacelles remain in place – simpler than V-22, which tilts entire engine



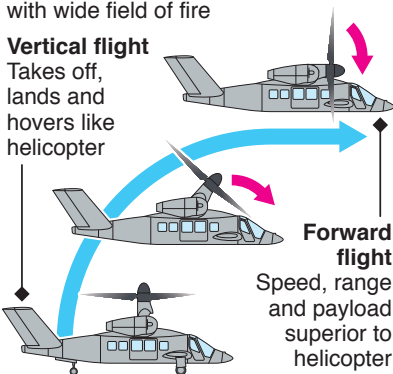
Plan view



**Side doors:** Allow troops to quickly enter and exit – unlike rear ramp on V-22 – and provide door gunners with wide field of fire

## Vertical flight

Takes off, lands and hovers like helicopter

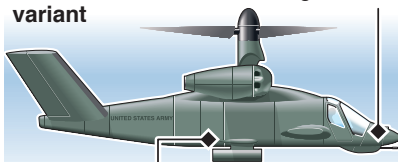


## Forward flight

Speed, range and payload superior to helicopter

## Attack variant

Nose-mounted gun turret



Internal bay and outboard pylons for guided missiles and rockets

## Specifications

	V-280	UH-60M
Speed	520km/h	280km/h
Combat radius	1,480km	600km
Payload	5,440kg	4,540kg
Crew	4	4
Troops	14	11