

Dolphin

Last update: June 2011

Displacement, metric tons	1,640 surfaced, 1,900 submerged
Dimensions, ft (m)	188 × 22.3 × 20.3, (57.3 × 6.8 × 6.2)
Main machinery	Diesel-electric
Speed, knots	11 snorting, 20 submerged
Complement	30 (including 6 officers)
Diving depth, ft (m)	1,150 (350)
Endurance	30 days
Weapons	5 SSM/SLCMs and 16 torpedoes; four 25.6" (650mm) and six 21" (533mm) tubes; mines in lieu of torpedoes
Comments	The two most recent submarines that Israel has purchased are modernized versions of the Dolphin-class that include an AIP system, larger fuel tank, fuel cells equipped with oxygen, and hydrogen storage. These vessels are said to be able to remain submerged for longer periods of time than the three existing vessels.

Sources:

[1] "'Dolphin' class," Submarine and submersible designs, Jane's Underwater Warfare Systems online edition, <http://juws.janes.com>, August 21, 2003

[2] Israeli Defense Forces, www.idf.il.

Related content is available on the website for the Nuclear Threat Initiative, www.nti.org.



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