

## Agosta 90B

*Last update: June 2011*

Displacement, metric tons	1,510 surfaced, 1,760 submerged (1,960 with MESMA)
Dimensions, ft (m)	221.7×22.3×17.7 (67.6×6.8×5.4)
Main machinery	Hybrid diesel-electric/MESMA AIP
Speed, knots	12 surfaced, 20 submerged
Range, miles	8,500 at 9kt snorting; 350 at 3.5kt submerged, quadrupled at 4kt with MESMA
Complement	36 (7 officers)
Diving depth, ft (m)	1,050 (320)
Endurance	68 days
Weapons	4 SSMs and 16 torpedoes; four 21in (533mm) tubes; mines in lieu of torpedoes

### Sources:

- [1] Stephen Saunders, *Jane's Fighting Ships 2002-2003* (Coulson: Jane's Information Group, 2003).
- [2] A.D. Baker, *Combat Fleets of the World*, p. 537.
- [3] David Miller, *The Illustrated Directory of Submarines of the World* (St. Paul: MBI Publishing Company, 2002), pp. 248-249.
- [4] Pakistani Navy, <http://paknavy.gov.pk>.

**Related content is available on the website for the Nuclear Threat Initiative, [www.nti.org](http://www.nti.org).**



This material is produced independently for NTI by the James Martin Center for Nonproliferation Studies at the Monterey Institute of International Studies and does not necessarily reflect the opinions of and has not been independently verified by NTI or its directors, officers, employees, or agents. Copyright © 2012 by MIIS.