



Albania

FORCE DETAR

Country overview

After being governed by a communist regime since 1946, democratic elections in the Republic of Albania took place in 1991. Situated in the western part of the Balkan Peninsula, the country has an area of 11,100 square miles and is bordered to the north by Montenegro and Kosovo, to the east by North Macedonia and to the south by Greece. There is a coastline of 195 n miles with the Adriatic Sea on which Durrës and Vlorë are the principal ports. The capital and largest city is Tirana.

Territorial waters (12 n miles) are claimed but an exclusive economic zone (EEZ) has not been claimed. The Navy and Coast Guard operate as a combined force and most vessels are in Coast Guard livery.

Headquarters appointments

Commander of the Navy:
Rear Admiral Adnan Agastra

Personnel

2020: 1,900

Bases

HQ: Durrës
Flotilla HQ: Pasha Liman
Bases: Shengyin, Sarandë, Sazan Island, Porto Palermo, Vlorë (Pasha Liman), Durrës (Kepi Palit).

PATROL FORCES

4 DAMEN STAN PATROL 4207 CLASS (PB)

Name	No	Launched	Commissioned
ILIRIA	P 131	6 May 2008	8 Sep 2008
ORIKU	P 132	13 Sep 2011	17 Feb 2012
LISUS	P 133	3 Dec 2012	2013
BUTRINTI	P 134	8 Apr 2014	2014

Displacement, tonnes: 205 standard
Dimensions, metres (feet): 42.8 × 7.11 × 2.52 (140.4 × 23.3 × 8.3)
Speed, knots: 26
Range, n miles: 1,800 at 12 kt
Complement: 18
Machinery: 2 Caterpillar 3516B DI-TA; 5,600 hp (4.17 MW); 2 shafts; cp props; bow thruster
Guns: 1 Nexter Narwhal with M621 20 mm. 2—7.62 mm MGs.
Radars: Surface search/navigation: 1 JRC JMA5310-6; I-band. 1 JRC JMA5310-12; I-band.

Comment: Contract signed with Damen Shipyards, Gorinchem on 13 November 2007 for the acquisition of four Stan Patrol 4207 offshore patrol vessels. The first vessel was built in Holland, while the remaining three were built at Pashaliman Shipyard near Vlorë. The contract also includes refurbishment of the shipyard, training, and maintenance services. The ships carry coast guard markings. Class has been deployed for NATO maritime operations, commencing with *Oriku* in November 2016. These operations concluded in December 2019, with *Lisus* and *Butrinti* also having taken part.



ORIKU 7/2019, C D Yaylali / 1748547

3 PB MK III CLASS (PB)

BORA P 116 (ex-R 216)	SHIROKA P 117 (ex-R 215)	BRIZA P 118 (ex-R 118)
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Displacement, tonnes: 37.4 full load
Dimensions, metres (feet): 19.8 × 5.5 × 1.8 (65.0 × 18.0 × 5.9)
Speed, knots: 25
Range, n miles: 450 at 21 kt
Complement: 7
Machinery: 3 Detroit Diesel 8V-71TI diesels; 1,800 hp (1.3 MW) sustained; 3 shafts
Guns: 2—12.7 mm MGs.
Radars: Surface search: Raymarine; I-band.

Comment: Built in the United States in 1974 and transferred to Albania on 27 February 1999. Overhauled in 2015.



SHIROKA 12/2015, Hartmut Ehlers / 1649621

2 COASTAL PATROL CRAFT (PB)

SHQYPNIA P 110 (ex-R 117)	SKENDERBE P 112 (ex-R 217)
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Displacement, tonnes: 18 full load
Dimensions, metres (feet): 13.9 × 4 × 0.9 (45.6 × 13.1 × 3.0)
Speed, knots: 34
Range, n miles: 200 at 30 kt
Complement: 5
Machinery: 2 MTU 8V diesels; 1,300 hp (942 kW); 2 Hamilton waterjets
Guns: 1—12.7 mm MG.
Radars: Surface search: Raymarine; I-band.

Comment: Built in the United States in 1995 and transferred to Albania on 27 February 1999. Overhauled at Pashaliman Naval Dockyard in 2015.



P 110 12/2015, Hartmut Ehlers / 1649622

5 ARCHANGEL CLASS (RESPONSE BOATS) (PBF)

DRINI P 01	MATI P 02	SHKUMBINI P 03	SEMANI P 04	VJOSA P 05
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Displacement, tonnes: 14.2 full load
Dimensions, metres (feet): 13.4 × 4.3 × 0.76 (44.0 × 14.1 × 2.5)
Speed, knots: 36
Range, n miles: 250 at 25 kt
Complement: 6
Machinery: 2 Yanmar 6CXM diesels; 1,000 hp (746 kW); 2 Hamilton 322 waterjets
Guns: 2—7.62 mm MGs.
Radars: Navigation: Raytheon; I-band.

Comment: High-speed inshore patrol craft of aluminium construction and foam collar built by SAFE Boats International, Port Orchard, Washington. SAFE 44 Full Cabin Inboard design. Three donated by the US government in August 2010 and a further two in March 2013. P 01, P 03, and P 05 overhauled at Pashaliman Naval Dockyard in 2015 with US funding.



P 04 12/2015, Hartmut Ehlers / 1649625

1 TYPE 246 CLASS (INSHORE PATROL CRAFT) (PBR)

P 121 (ex-CP 249)
Displacement, tonnes: 22 full load
Dimensions, metres (feet): 15.0 × 4.85 × 1.65 (49.2 × 15.9 × 5.4)
Speed, knots: 27
Complement: 7
Machinery: 2 Isotta Fraschini ID35 SS 6V diesels; 1,350 hp(m) (1.0 MW); 2 shafts
Radars: Navigation: I-band.

Comment: Built in Italy in 1980. Transferred from the Italian Coast Guard in 2008. Operational status uncertain.

2 TYPE 227 INSHORE PATROL CRAFT (PBR)

P 122 (ex-R 225, ex-CP 234) P 120 (ex-R 226, ex-CP 236)

Displacement, tonnes: 16 full load
Dimensions, metres (feet): 13.4 × 4.8 × 1.3 (44.0 × 15.7 × 4.3)
Speed, knots: 24. Range, n miles: 400 at 24 kt
Complement: 5
Machinery: 2 AIFO 8281-SRM diesels; 1,770 hp (1.32 MW); 2 shafts
Radars: Surface search: I-band.

Comment: Wooden construction. Built in Italy 1966–69. Transferred from Italian Coast Guard to Albanian Coast Guard in 2002. Operational status uncertain.



TYPE 227 CLASS

7/2005, Massimo Annati / 1129988

2 TYPE 2010 INSHORE PATROL CRAFT (PBR)

P 125 (ex-R 126, ex-CP 2020) P 129 (ex-R 228, ex-CP 2023)

Displacement, tonnes: 15 full load
Dimensions, metres (feet): 12.5 × 3.6 × 1.1 (41.0 × 11.8 × 3.6)
Speed, knots: 24. Range, n miles: 533 at 20 kt
Complement: 5
Machinery: 2 AIFO diesels; 1,072 hp (800 kW); 2 shafts
Radars: Navigation: I-band.

Comment: Former harbour launches built in Italy in the 1970s. GRP construction. One transferred from Italian Coast Guard to Albanian Coast Guard in 2002 and a further six in 2004. Operational status doubtful.



P 129

12/2015, Hartmut Ehlers / 1649620

AUXILIARIES

1 SERVICE CRAFT (YAG)

DELFINI A 81 (ex-R 122)

Displacement, tonnes: 20 full load
Dimensions, metres (feet): 13.4 × 3.85 × 1.2 (44.0 × 12.6 × 3.9)
Speed, knots: 13. Range, n miles: 200 at 13 kt
Complement: 4
Machinery: 2 Iveco M653 diesels; 300 hp (224 kW); 2 shafts
Radars: Navigation: Raytheon; I-band.

Comment: Built in US in 1965. Transferred from Italian Coast Guard to Albanian Coast Guard in 2002. Former patrol craft used as a buoy tender and for other miscellaneous tasks.



DELFINI

12/2015, Hartmut Ehlers / 1649623

2 ANTI-POLLUTION CRAFT (YAG)

RODONI Y 31 KARABURUNI Y 32

Displacement, tonnes: 50 full load
Dimensions, metres (feet): 14.5 × 4.0 × 1.3 (47.6 × 13.1 × 4.3)
Speed, knots: 10. Range, n miles: 420 at 10 kt
Complement: 5
Machinery: 2 Iveco diesels; 500 hp(m) (373 kW); 2 shafts
Radars: Navigation: Furuno; I-band.

Comment: Built in Genoa, Italy, in 2009 and transferred to Albania in 2010. Rodoni underwent overhaul at Pashaliman Shipyard in 2014–15.



RODONI

12/2015, Hartmut Ehlers / 1649624

SURVEY AND RESEARCH SHIPS

Notes: A survey launch, Shqiponja (A 82), was received from Norway in March 2017.

POLICE

Notes: One 15 m aluminium hull and four 10 m glass-fibre construction patrol boats built by Izmir Shipyard were handed over in July 2022 under the EU Support For the Effective Management of Green and Blue Borders in Albania (EU4SAFEALB) project. The all white craft have rubber rubbing strakes, feature diagonal red and blue stripes near the bow, and carry 'Policia Kufitare' markings.

Algeria

MARINE DE LA REPUBLIQUE ALGERIENNE



Country overview

Formerly a French colony, the People's Democratic Republic of Algeria gained independence in 1962. Situated in north Africa, it has an area of 919,595 square miles and is bordered to the east by Tunisia and Libya, to the south by Niger, Mali, and Mauritania and to the west by Morocco. It has a 540 n mile coastline with the Mediterranean. The capital, largest city, and principal port is Algiers. Territorial seas (12 n miles), Fishery zones (32/52 n miles), and an exclusive economic zone (200 n miles) have been claimed.

Headquarters appointments

Commander of the Navy (interim):
Major General Benmeddah Mahfoud

Personnel

(a) 2019: 6,000 (including 600 naval infantry); 500 (coast guard)
(b) Voluntary service

Bases

Algiers (1st Region), Mers-el-Kebir (2nd Region), Jijel (3rd Region), Annaba (CG HQ)

Coast defence

Four batteries of truck-mounted 4K-51 Rubezh (SS-C-3 Styx) twin launchers. Permanent sites at Algiers, Mers-el-Kebir, and Jijel linked by radar.

Strength of the Fleet

Type	Active	Building (Projected)
Submarines	6	—
Frigates	8	(2)
Corvettes	7	1
Patrol craft	19	—
Fast attack craft (missile)	3	—
LHD	1	(1)
LSTHs	2	—
Minehunter/sweeper (coastal)	3	—
Survey ships	2	—
Tankers	—	(2)

PENNANT LIST

Submarines		911	El Moudamir	Patrol forces		358	El Hamis	Survey ships	
		920	Adhafer			359	—		
012	Rais Hadj Mubarek	921	El Fatih	341	El Yadekh	360	El Montassir	204	El Idrissi
013	El Hadj Slimane	922	Ezzadjer	342	El Mourakeb	361	El Thabit		
021	Djurdjura			343	El Kechef	362	El Sader		
022	Akram Pacha			344	El Moutarid				
031	Ouarsenis			345	El Rassed	Amphibious forces		Training ships	
032	Hoggar	Corvettes		346	El Djari				
		—	Djebel Chenoua	347	El Saher	472	Kalaat Beni Hammad	937	La Soummam
Frigates		—	El Chihab	348	El Moukadem	473	Kalaat Beni Rached	938	El Mellah
		—	Al Kirch	349	El Tinaï	474	Kalaat Beni-Abbes		Auxiliaries
		—	Rais Hamidou	350	El Kanass	Mine warfare forces		261	El Mourafik
901	Mourad Rais	801	Rais Salah	354	El Mahir			701	El Moundjid
902	Rais Kellich	802	Salah Rais	355	El Wafi	501	El Kasseh 1	702	El Mous'if
903	Rais Korsou	803	Rais Ali	356	El Azoum	502	El Kasseh 2	703	El Moussanip
910	Erradii	807	Rais Hassan Barbiar	357	El Djasur	503	El Kasseh 3		

SUBMARINES

6 KILO (PROJECT 877EKM/636M) CLASS (SSK)

<i>Name</i>	<i>No</i>	<i>Builders</i>	<i>Laid down</i>	<i>Launched</i>	<i>Commissioned</i>
RAIS HADJ MUBAREK (ex-B 861)	012	Nizhny Novgorod	14 Feb 1985	26 Jul 1986	29 Nov 1986
EL HADJ SLIMANE (ex-B 386)	013	Nizhny Novgorod	26 Jul 1986	10 Jul 1987	5 Nov 1987
DJURDJURA (ex-Messali el Hadj)	021	Admiralty Yard, St Petersburg	29 Apr 2007	20 Nov 2008	28 Aug 2009
AKRAM PACHA	022	Admiralty Yard, St Petersburg	27 Dec 2007	9 Apr 2009	29 Oct 2009
QUARSENIS	031	Admiralty Yard, St Petersburg	2015	14 Mar 2017	9 Jan 2019
HOGGAR	032	Admiralty Yard, St Petersburg	2016	29 Jun 2017	9 Jan 2019

Displacement, tonnes: 2,325 surfaced; 3,076 dived
Dimensions, metres (feet): 72.6 (012–013), 73.8 (021–022, 031–032) × 9.9 × 6.6 (238.2, 242.1 × 32.5 × 21.7)

Speed, knots: 17 dived; 10 surfaced; 9 snorting
Range, n miles: 400 at 3 kt dived; 6,000 at 7 kt snorting
Complement: 52 (13 officers)

Machinery: Diesel-electric; 2 diesels; 3,650 hp(m) (2.68 MW); 2 generators; 1 motor; 5,900 hp(m) (4.34 MW); 1 shaft; 2 auxiliary MT-168 motors; 204 hp(m) (150 kW); 1 economic speed motor; 130 hp(m) (95 kW)

Missiles: SLCM; Novator 3M-54E (SS-N-27A Sizzler) anti-ship; inertial guidance and active radar terminal homing; 220 km (118.8 n miles) at Mach 0.8 (cruise) and Mach 2.9 (attack); warhead 200 kg; sea-skimmer (021, 022, 031, 032). Novator 3M-14E (SS-N-30B); land-attack; inertial/GLONASS/terrain reference guidance and active radar terminal homing to 300 km (162 n miles) at Mach 0.7; warhead 450 kg (031-032).

Torpedoes: 6–53 mm tubes. Combination of Russian TEST-71ME; anti-submarine active/passive homing to 23.2 km (12.5 n miles) at 40 kt; thermal; warhead 205 kg; and Type 53-65; anti-surface ship; passive wake homing to 19 km (10.3 n miles) at 45 kt; thermal; warhead 300 kg. Total of 18 weapons.

Mines: 24 in lieu of torpedoes.

Electronic countermeasures: ESM: Brick Pulp; radar warning.
Radars: Surface search: MRP-25E (Snoop Tray); I-band.

Sonars: MGK-400 (Shark Teeth/Shark Fin); hull-mounted; passive/active search and attack; medium frequency. MG-519 Mouse Roar; active attack; high frequency.

Weapon control systems: Uzel MVU-110EM or Murena MVU-119EM fire-control system.

Programmes: The Project 877EKM were new construction hulls, which replaced the decommissioned Romeo class. A contract for the construction of two missile-armed Project 636 boats was signed with Admiralty Shipyards in mid-2006. The first was delivered to Mers-el-Kebir in late 2010 and the second in late 2011. The order for two further Type 636 submarines from Admiralty Shipyards was confirmed in June 2014. Both boats were launched in 2017 and were commissioned in Algeria in January 2019.

Modernisation: Following refits in 1993–96, both Project 877 submarines underwent further two-year refits at Admiralty Shipyards. Work on the first boat, which is reported to have



AKRAM PACHA

7/2021, Michael Nitz / 2011342

included upgrade of the sonar system, began in November 2005 and completed in 2008. Refit of the second boat completed in 2012. The first Project 636 boat (021) returned from a refit in Russia in April 2021, and the second (022) arrived for refit in July 2021.

Structure: Diving depth 240 m (790 ft). 9,700 kWh batteries. Pressure hull 51.8 m (169.9 ft). May be fitted with Strela-2/3 (SA-N-5/8) portable SAM launcher.

Operational: Based at Mers El Kebir. 3M-54E (SS-N-27A) test fired from 031 and 032 on 29 September 2019.



AKRAM PACHA

7/2021, Michael Nitz / 2011343

FRIGATES

2 + (2) ERRADII (MEKO A-200 AN) CLASS (FFGHM)

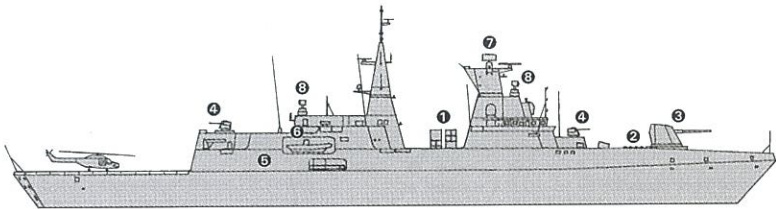
Name	No	Builders	Laid down	Launched	Commissioned
ERRADII	910	ADM, Kiel	2012	5 Dec 2014	21 Apr 2016
EL MOUDAMIR	911	ADM, Kiel	2013	12 Dec 2015	24 May 2017

Displacement, tonnes: 3,700 full load (est)
Dimensions, metres (feet): 121.0 × 16.4 × 4.4
(397.0 × 53.8 × 14.4)
Speed, knots: 28. Range, n miles: 7,700 at 15 kt
Complement: 110

Machinery: CODAG; 1 GE LM2500 gas turbine; 2 MTU 16V 1163 TB93 diesels; 7,940 hp (5.92 MW); 2 shafts; 1 centreline Wärtsilä waterjet
Missiles: SSM: 16 Saab RBS15 Mk 3 (4 quad) ❶; inertial/GPS guidance and active radar terminal homing to 200+ km (108+ n miles) at Mach 0.9; warhead 200 kg; sea-skimmer/terminal manoeuvres.

SAM: Denel Dynamics Umkhonto-IR Block 2; 32-cell VLS ❷; inertial guidance with mid-course update and IR terminal homing to 15 km (8.1 n miles) at Mach 2.4; warhead 23 kg.
Guns: 1 Oto Melara 127 mm/64LW; 35 rds/min to 23 km (12.4 n miles); weight of shell 32 kg ❸. 2 MSI-Defence 30 mm ❹.

Torpedoes: 4—324 mm (2 twin) tubes ❺; Eurotorp MU90.
Physical countermeasures: 4 Rheinmetall MASS decoy launchers ❻. 2 WASS Morpheus ASW decoy launchers.
Electronic countermeasures: ESM/ECM: Indra Rigel EA/ES suite.



ERRADII

(Scale 1 : 1,200), Ian Sturton / 1649784

Radars: Air/surface search: Saab Sea Giraffe AMB ❷; G-band. Fire control: 2 Saab CEROS 200 ❸; I/J/K-band. Surface search/navigation: 3 Sperry Bridgmaster; E/F/I-bands.
Sonars: Thales Kingklip/UMS 4132; hull-mounted; active/passive; medium frequency.
Combat data systems: Atlas Elektronik/Saab CMS.
Electro-optic systems: Saab CEROS 200 optronic director. Saab EOS 500 optronic director.

Helicopters: 1 Super Lynx.

Programmes: A contract for the procurement of two MEKO A-200 frigates was placed with ThyssenKrupp Marine Systems on 26 March 2012. Construction was conducted at ADM Kiel. An option for two further ships was not taken up, however interest in additional ships remains.

Structure: The ships are similar to the South African Valour class.

Operational: First RBS15 firing took place in August 2017. Testing of Umkhonto took place in 2019.



EL MOUDAMIR

10/2018, Michael Nitz / 1292186



EL MOUDAMIR

11/2018, Michael Nitz / 1761500