

MARTIN PBM MARINER

MARINER SERVICE

Manufacturer: The Martin Aircraft Co., Baltimore, Maryland, USA
Model: Martin Model 162
Designation: PBM
Name: Mariner

First official flight: XPBM-1 18/02/1939
Factory production period: 1938 – 1949
Primary service period: 1940 – 1952
Last official flight: PBM-5G 1958

MARINER VARIANTS

1939	Model 162	XPBM-1	1	
1940	Model 162	PBM-1	20	Total: 0021
1942	Model 162	XPBM-2	1	Total: 0001
1942	Model 162B	PBM-3R	49	
1942	Model 162B	XPBM-3E	1	
1942	Model 162B	PBM-3C	274	
1943	Model 162B	PBM-3D	259	
1943	Model 162B	PBM-3S	94	Total: 0677
1943	Model 162	XPBM-5	2	
1944	Model 162	PBM-5	629	
1947	Model 162	XPBM-5A	1	
1948	Model 162	PBM-5A	36	Total: 0668
				<u>Total: 1367</u>

MARINER PRODUCTION

XPBM-1

Prototype twin-engined, patrol bomber flying boat.

produced 1938 – 1939

Martin Baltimore, Maryland (M)

BuNo. 0796

1 **Total: 0001**

PBM-1

As XPBM-1, angled tailplanes and fins.

produced 1940 – 1941

Martin Baltimore, Maryland (M)

BuNo. 1246

BuNo. 1248 / 1266

20 **Total: 0020**

XPBM-2

*As PBM-1, prototype catapult testbed.
produced 1942
Martin Baltimore, Maryland (M)
BuNo. 1247 -*

1 **Total: 0001**

PBM-3 – *As PBM-1, fixed floats, engine / nacelle upgrade,
4-bladed props. Built in the following variants:*

PBM-3R

*As PBM-3, unarmed cargo version, side cargo
door, strengthened floor, 20 passenger seats.
produced 1942 – 1943
Martin Middle River, Maryland (M)
BuNo. 6455 -
BuNo. 6457 / 6504 -*

49 **Total: 0049**

XPBM-3E

*As PBM-3, prototype for radar development.
produced 1942
Martin Middle River, Maryland (M)
BuNo. 6456 -*

1 **Total: 0001**

PBM-3C

*As PBM-3, equipment upgrade,
later had dorsal search radar fitted.
4 transferred to USCG.
produced 1942 – 1943
Martin Middle River, Maryland (M)
BuNo. 6505 / 6754 -
- 12 to RAAF as **PBM-3R**,
A70-1 / A70-12.
BuNo. 01650 / 01673 -*

274 **Total: 0274**

PBM-3D

*As PBM-3C, engine / armament upgrade,
dorsal search radar fitted as standard.
produced 1943 – 1944
Martin Middle River, Maryland (M)
BuNo. 45205 / 45274 -
BuNo. 45277 / 45404 -
BuNo. 48124 -
BuNo. 48164 / 48223 -*

259 **Total: 0259**

PBM-3S

*As PBM-3C, ASW version, reduced armament.
produced 1943 – 1944
Martin Middle River, Maryland (M)
BuNo. 01674 / 01728 -
BuNo. 48125 / 48163 -*

94 **Total: 0094**

*PBM-4 – 1941, projected version with engine upgrade, cancelled.
180 of variant PBM-4E cancelled.*

XPBM-5

*As PBM-3D, engine upgrade.
produced 1943*

Martin Middle River, Maryland (M)
BuNo. 45275, 45276 -

2 **Total: 0002**

PBM-5

*As XPBM-5, engine upgrade, radar equipped
versions delivered as **PBM-5E**. BuNo. 98616
built as the **XP5M-1 Marlin** prototype.
produced 1944 – 1945*

Martin Middle River, Maryland (M)
BuNo. 45405 / 45444 -
BuNo. 59000 / 59348 -
- 4 factory converted as **PBM-5A**.
BuNo. 84590 / 84789 -
BuNo. 85136 / 85160 -
BuNo. 98602 / 98616 -
757 additional airframes cancelled.

629 **Total: 0629**

XPBM-5A

*As XPBM-5, amphibious version with
retractable tricycle undercarriage.
produced 1947*

Martin Middle River, Maryland (M)
BuNo. 59349 -

1 **Total: 0001**

PBM-5A

*As XPBM-5A, production version, many
for export.
produced 1948 – 1949*

Martin Middle River, Maryland (M)
BuNo. 122067 / 122086 -
BuNo. 122468 / 122471 -
BuNo. 122602 / 122613 -

36 **Total: 0036**

Total: 1367

MARINER CONVERSIONS

US Navy

XPBM-1A	1	XPBM-1, conversion for armament testing.
PBM-5G	24	PBM-5, USCG designation for SAR duties.
PBM-5M	1	PBM-5, conversion for missile tests. Also designated PBM-5C.
PBM-5N	1	PBM-5, conversion for night operations.
PBM-5S	1+	PBM-5, specialized ASW equipment fitted.
(PBM-5S2)	1	PBM-5S, Korean War conversion with upgraded radar.

British RAF

Mariner GR.Mk. I

24 12 PBM-3C / 12 PBM-3S, 1943-1945, Lend-Lease version for the RAF.
US designation was PBM-3B. Assigned RAF s/n: JX100 / JX123.
18 additional deliveries cancelled, most returned to US Navy service
by 1945.

FOREIGN MILITARY / CIVILIAN SERVICE

- *Mariners in service during and post World War II with Argentina, Australia, The Netherlands and Uruguay.*
- *Several Mariners used briefly on the civil market as cargo transports.*

MARTIN P5M MARLIN

MARLIN SERVICE

Manufacturer: The Martin Aircraft Co., Baltimore, Maryland, USA
(In 1956, became The Martin Co.)

Models: Martin Model 237, 313

Designations: P5M; P7M, P-5

Name: Marlin

First official flight: XP5M-1 30/05/1948

P5M-1 22/06/1951

Factory production period: 1950 – 1960

Primary service period: 1952 – 1966

Last official flight: SP-5B 1967

MARLIN VARIANTS

1951	Model 237A	P5M-1	160	
1954	Model 237A	P5M-1G	7	Total: 167
1954	Model 237B	P5M-2	115	
1956	Model 237B	P5M-2G	4	Total: 119
				<u>Total: 286</u>

MARLIN PRODUCTION

XP5M-1

Model 237, 1948, PBM-5 (BuNo. 98616). Prototype patrol flying boat, fuselage extension, single tail, engine upgrade, various changes.

P5M-1

*As XP5M-1, redesigned fuselage, cockpit, nose radome.
produced 1950 – 1954*

Martin Middle River, Maryland (M)

BuNo. 124910 / 124914 -

BuNo. 126490 / 126511 -

BuNo. 127696 / 127719 -

BuNo. 130265 / 130351 -

BuNo. 135452 / 135473 -

3 additional airframes cancelled.

160 **Total: 160**

P5M-1G

As P5M-1, unarmed SAR version for USCG. To USN in 1961 as **P5M-1T** crew trainers, BuNo. 149825 / 149831. produced 1954

Martin Middle River, Maryland (M)

1284 / 1287 -

1295 / 1297 -

7 **Total: 007**

P5M-2

As P5M-1, T-tail, MAD boom, engine upgrade, various improvements.

produced 1953 – 1960

Martin Middle River, Maryland (M)

BuNo. 135474 / 135543 -

BuNo. 137846 / 137848 -

BuNo. 140140 / 140150 -

BuNo. 141252 / 141258 -

BuNo. 146440 / 146445 -

- 6 to French Navy.

BuNo. 147539 / 147542 -

- 4 to French Navy.

Bu.No. 147575, 147576 -

- 2 to French Navy.

BuNo. 147926 / 147937 -

10 additional airframes cancelled.

115 **Total: 115**

P5M-2G

As P5M-2, unarmed SAR version for USCG. To USN in 1961 as **P5M-2T** crew trainers, BuNo. 149832 / 149835. produced 1956

Martin Middle River, Maryland (M)

1312, 1318 -

1319, 1320 -

4 **Total: 004**

(Model 313) P5M-3 – Prototype 4 engined variant, later with jet engine and BLC system as the P7M-1. Mock-up only built in 1956.

Total: 286

MARLIN CONVERSIONS

US Navy

P5M-1S 80 P5M-1, conversions with ASW detection equipment.

P5M-2S 1+ P5M-2, conversions with ASW detection equipment.

US Navy (1962 redesignations)

P-5A 1+ 1962, redesignation of the P5M-1.

SP-5A 80 1962, redesignation of the P5M-1S.

TP-5A 7 1962, redesignation of the P5M-1T.

P-5B 1+ 1962, redesignation of the P5M-2.

SP-5B 1+ 1962, redesignation of the P5M-2S.