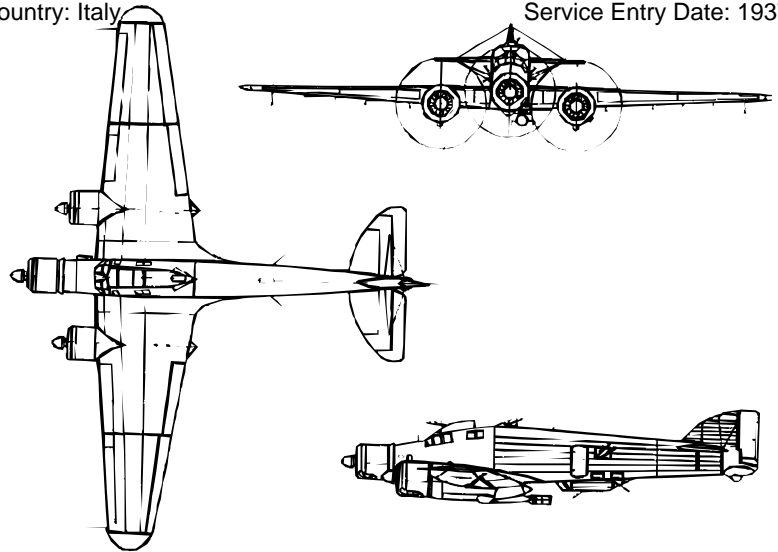


SM.79 "Sparviero"

A/C Type: Medium Bomber
 Engine(s): Three Alfa-Romeo A.R. 126
 Eng. Pwr: 750 HP, Radial Air Cooled
 A/C Crew: 2 Pilots, Bombardier,
 2 gunners
 Maximum Speed: 265 MPH at 13000
 Maximum Ceiling: 23000/19000/15000
 Defense Factor: 6 Size Modifier: +1
 Damage Factor: 16/24 Endurance: 340
 Cockpit View: Fair Blind Area: None
 Protection: Cockpit +2 Fuel +1 Engine +0
 Climb Decel / Dive Accel: 2.0/1.0
 Weight and Load Limit: 2750/5-14
 Wpn Stations Weight Allowed Loads
 Bomb Bay 1 2750 Bombs

Country: Italy

Service Entry Date: 1937



Class: M

Victory Points: 6-12

AIRCRAFT PERFORMANCE CHART

Altitude Levels	Band	Minimum Speed	Maximum Speed	Maximum Dive Spd.	Min. TT(2)	Min. HT(3)	Min. BT	Min. ET	Altitude Band	Levels	Average Rate Of Climb
43+	UH	—	—	—	—	—	—	—	UH	43+	—
37-42	EH	—	—	—	—	—	—	—	EH	37-42	—
31-36	VH	—	—	—	—	—	—	—	VH	31-36	—
25-30	HI	—	—	—	—	—	—	—	HI	25-30	—
19-24	MH	2.0	4.5	8.0	3.0	4.5	—	—	MH	19-24	300
13-18	ML	2.0	5.0	8.0	3.0	4.0	—	—	ML	13-18	600
7-12	LO	2.0	5.0	7.5	2.5	3.5	—	—	LO	7-12	1,000
1-6	VL	1.5	4.5	7.0	2.5	3.5	—	—	VL	1-6	1,100

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals
N1	One 12.7mm MG	14	3
DG,VG	One 12.7mm MG	20	3
LG,RG	One 7.7mm MG	30	4

GUN ATTACK FACTORS

Range	N1	DG,VG	LG,RG
0	9	7	4
1	6	5	3
2	4	4	2
3	3	2	2
4	2	2	1
5	1.5	1	1
6	1	1	—
7	—	—	—

WEAPONS STATIONS DIAGRAM

POWER VERSUS SPEED CHART

Levels	Band	1.0 - 4.5	5.0 - 7.5	8.0 - 9.5	10.0 +	Band
43+	UH	—	—	—	—	UH
37-42	EH	—	—	—	—	EH
31-36	VH	—	—	—	—	VH
25-30	HI	—	—	—	—	HI
19-24	MH	2	—	—	—	MH
13-18	ML	4	2	—	—	ML
7-12	LO	5	3	—	—	LO
1-6	VL	5	—	—	—	VL
Banking FPs:		2	3	5	—	
Side Slip FPs:		2	4	6	—	

DEFENSIVE GUN COVERAGE

DG: Rear +30 level to high; 6:00 high
 VG: Rear low (Bombardier)
 LG/RG: Left, right rear -30 low to high

NOTES AND VARIANTS

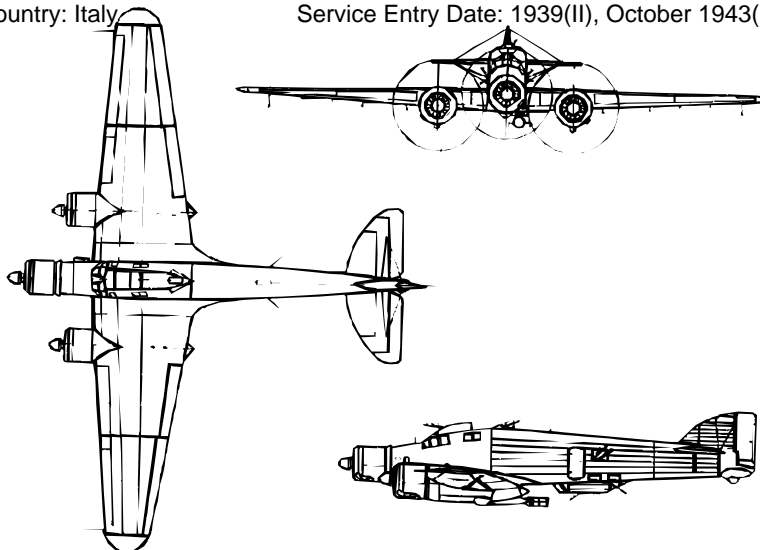
Slatted wings. Only one of LG and RG can fire in a turn. Station 1 is bomb bay for 2 500kg bombs, 5 250kg bombs or 12 100 kg bombs.

SM.79-II "Sparviero"

A/C Type: Torpedo Bomber
 Engine(s): Three Piaggio P.XI RC.40
 Eng. Pwr: 1000 HP, Radial Air Cooled
 A/C Crew: 2 Pilots, Bombardier,
 2 gunners
 Maximum Speed: 270 MPH at 15000
 Maximum Ceiling: 23000/19000/15000
 Defense Factor: 6 Size Modifier: +1
 Damage Factor: 17/25 Endurance: 340
 Cockpit View: Fair Blind Area: None
 Protection: Cockpit +2 Fuel +2 Engine +0
 Climb Decel / Dive Accel: 2.0/1.0
 Weight and Load Limit: 2750/5-14
 Wpn Stations Weight Allowed Loads
 1, 3 1000 Torpedo
 Bomb Bay 2 2750 Bombs

Country: Italy

Service Entry Date: 1939(II), October 1943(III)



Class: M

Victory Points: 6-13

AIRCRAFT PERFORMANCE CHART

Altitude Levels	Band	Minimum Speed	Maximum Speed	Maximum Dive Spd.	Min. TT(2)	Min. HT(3)	Min. BT	Min. ET	Altitude Band	Levels	Average Rate Of Climb
43+	UH	—	—	—	—	—	—	—	UH	43+	—
37-42	EH	—	—	—	—	—	—	—	EH	37-42	—
31-36	VH	—	—	—	—	—	—	—	VH	31-36	—
25-30	HI	—	—	—	—	—	—	—	HI	25-30	—
19-24	MH	2.5	5.0(5.5)	8.0	3.0	4.5	—	—	MH	19-24	400
13-18	ML	2.0	5.5(6.0)	8.0	3.0	4.0	—	—	ML	13-18	800
7-12	LO	2.0	5.5	7.5	2.5	4.0	—	—	LO	7-12	1,300
1-6	VL	1.5	5.0	7.0	2.5	3.5	—	—	VL	1-6	1,300

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals
N1(II)	One 12.7mm MG	14	3
N1(III)	One 20mm MG-151	10	2
DG,VG	One 12.7mm MG	20	3
LG,RG	One 7.7mm MG	30	4

GUN ATTACK FACTORS

Range	N1(II)	N1(III)	DG,VG	LG,RG
0	9	26	7	4
1	6	20	5	3
2	4	13	4	2
3	3	9	2	1
4	2	6	2	1
5	1.5	4	1	1
6	1	3	1	—
7	—	—	—	—

WEAPONS STATIONS DIAGRAM

POWER VERSUS SPEED CHART

Levels	Band	1.0 - 4.5	5.0 - 7.5	8.0 - 9.5	10.0 +	Band
43+	UH	—	—	—	—	UH
37-42	EH	—	—	—	—	EH
31-36	VH	—	—	—	—	VH
25-30	HI	—	—	—	—	HI
19-24	MH	3	2	—	—	MH
13-18	ML	5	3	—	—	ML
7-12	LO	6	4	—	—	LO
1-6	VL	6	4	—	—	VL
Banking FPs:		2	3	5	—	
Side Slip FPs:		2	4	6	—	

DEFENSIVE GUN COVERAGE

DG: Rear +30 level to high; 6:00 high
 VG: Rear low (Bombardier)
 LG,RG: Left, right rear -30 low to high

NOTES AND VARIANTS

All: Slatted wings. Only one of LG and RG can fire in a turn. Station 2 is bomb bay for 2 500kg bombs, 5 250kg bombs or 12 100 kg bombs. Bombs may not be dropped if station 1 or 3 is occupied.

SM-79 II: Fuel protection +1 before 1941.

SM-79 III: Use speeds in (). Add 100 to ROC and 1000 to ceilings.

LG and RG upgraded to 12.7mm MG; firepower as DG.

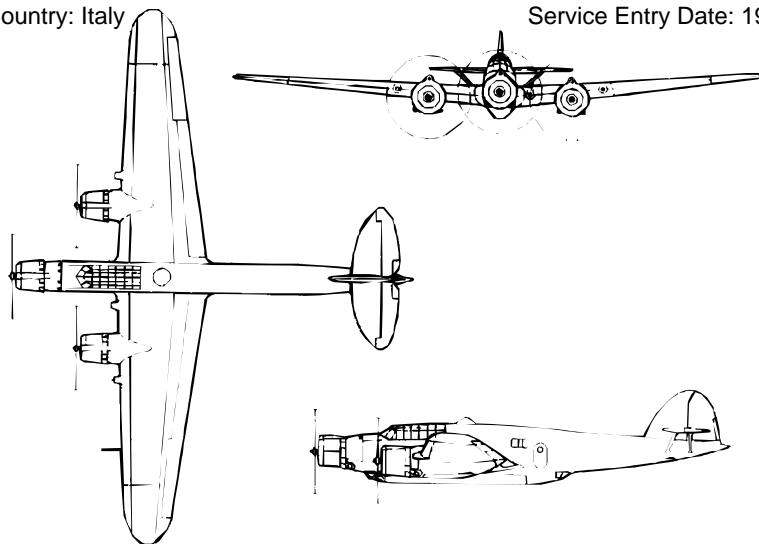
All RSI SM.79/II's upgraded to /III by early 1944.

Z.1007bis "Alcione"

A/C Type: Medium Bomber
 Engine(s): Three Piaggio P.XI RC.40
 Eng. Pwr: 1000 HP, Radial Air Cooled
 A/C Crew: Pilots, Copilot, Bombardier,
 2 gunners
 Maximum Speed: 283 MPH at 15000
 Maximum Ceiling: 26500/21500/17000
 Defense Factor: 6 Size Modifier: +1
 Damage Factor: 18/27 Endurance: 350
 Cockpit View: Fair Blind Area: None
 Protection: Cockpit +2 Fuel +1 Engine +0
 Climb Decel / Dive Accel: 2.0/1.0
 Weight and Load Limit: 4620/5-15
 Wpn Stations Weight Allowed Loads
 1, 3 1100 Bomb
 Bomb Bay 2 2420 Bombs

Country: Italy

Service Entry Date: 1940



Class: M

Victory Points: 6-12

AIRCRAFT PERFORMANCE CHART

Altitude Levels	Band	Minimum Speed	Maximum Speed	Maximum Dive Spd.	Min. TT(2)	Min. HT(3)	Min. BT	Min. ET	Altitude Band	Levels	Average Rate Of Climb
43+	UH	—	—	—	—	—	—	—	UH	43+	—
37-42	EH	—	—	—	—	—	—	—	EH	37-42	—
31-36	VH	—	—	—	—	—	—	—	VH	31-36	—
25-30	HI	2.5	5.0	8.5	3.5	5.0	—	—	HI	25-30	300
19-24	MH	2.5	5.5	8.0	3.0	4.5	—	—	MH	19-24	600
13-18	ML	2.0	5.5	8.0	3.0	4.0	—	—	ML	13-18	900
7-12	LO	2.0	5.5	7.5	2.5	4.0	—	—	LO	7-12	1,300
1-6	VL	1.5	5.0	7.0	2.5	3.5	—	—	VL	1-6	1,500

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals
DT	One 12.7mm MG	20	3
VG	One 12.7mm MG	20	3
LG,RG	One 7.7mm MG	30	4

GUN ATTACK FACTORS

Range	DT	VG	LG,RG
0	8	5	4
1	6	4	3
2	4	3	2
3	3	2	1
4	2	1	1
5	1	1	1
6	1	1	—
7	—	—	—

WEAPONS STATIONS DIAGRAM

POWER VERSUS SPEED CHART

Levels	Band	1.0 - 4.5	5.0 - 7.5	8.0 - 9.5	10.0 +	Band
43+	UH	—	—	—	—	UH
37-42	EH	—	—	—	—	EH
31-36	VH	—	—	—	—	VH
25-30	HI	2	1	—	—	HI
19-24	MH	3	2	—	—	MH
13-18	ML	4	2	—	—	ML
7-12	LO	5	3	—	—	LO
1-6	VL	5	3	—	—	VL
Banking FPs:		3	4	5	—	
Side Slip FPs:		3	5	7	—	

DEFENSIVE GUN COVERAGE

DT: All level to high except front high only (Copilot)
 VG: rear low
 LG,RG: Left, right rear -30 low to high

NOTES AND VARIANTS

Z.1007bis: Many had single fin tail. DG may not fire level on 6:00 line.
Z.1007ter: 1943 model with 1175 HP Piaggio P.XIX engines.
 Add .5 to max level and dive speeds, 1 to all power numbers, 200 to average ROC, and 4000 to ceilings.