

Fiat G.56

A/C Type: Interceptor/day fighter
 Engine(s): One DB603
 Eng. Pwr: 1510-1750 HP, Liquid Cooled
 A/C Crew: Pilot

Maximum Speed: 425 MPH at 24000
 Maximum Ceiling: 42000

Defense Factor: 5 Size Modifier: +0
 Damage Factor: 9/14 Endurance: 180
 Cockpit View: Poor Blind Area: Rear

Protection: Cockpit +2 Fuel +2 Engine +0

Climb Decel / Dive Accel: 3.0/1.0

Weight and Load Limit: 2000/3-7

Wpn Stations	Weight	Allowed Loads
1,2	1000	Bomb

Country: Italy

Service Entry Date: Hypothetical 1944

Class: F

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(4)	Min. ET(5)	Altitude Band	Levels	Average Rate Of Climb
43+	UH	—	—	—	—	—	—	—	UH	43+	—
37-42	EH	3.5	8.0	10.5	5.0	7.0	8.5	10.0	EH	37-42	900
31-36	VH	3.0	8.0	11.0	4.5	6.5	7.5	9.0	VH	31-36	1,500
25-30	HI	3.0	8.5	11.0	4.0	5.5	7.0	8.0	HI	25-30	2,200
19-24	MH	2.5	8.5	11.5	3.5	5.0	6.0	7.0	MH	19-24	2,900
13-18	ML	2.5	8.0	11.5	3.5	4.5	5.5	6.5	ML	13-18	3,200
7-12	LO	2.0	7.5	11.0	3.0	4.0	5.0	6.0	LO	7-12	3,500
1-6	VL	2.0	7.0	10.0	2.5	4.0	4.5	5.5	VL	1-6	3,700

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals
N1	One 20mm MG-151	12	2
W1	Two 20mm MG-151	10	2

GUN ATTACK FACTORS

Range	N1	W1	(Total)
0	26	52	78
1	20	39	59
2	13	26	39
3	9	17	26
4	6	12	18
5	4	9	13
6	3	7	10
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	3/-	2/-	1/-	—	EH
31-36	VH	4/-	3/-	2/-	—	VH
25-30	HI	6/7	4/5	2/3	—	HI
19-24	MH	9/10	6/7	4/5	—	MH
13-18	ML	9/11	6/8	4/6	—	ML
7-12	LO	9/11	6/8	—	—	LO
1-6	VL	9/11	6/8	—	—	VL
Banking FPs:		2	2	4	6	
Side Slip FPs:		3	4	6	8	

Fiat G.59

A/C Type: Fighter-Bomber
 Engine(s): One Merlin T-24-2
 Eng. Pwr: 1420 HP, Liquid Cooled
 A/C Crew: Pilot

Maximum Speed: 373 MPH at 23000
 Maximum Ceiling: 33500

Defense Factor: 5 Size Modifier: +0
 Damage Factor: 9/14 Endurance: 180
 Cockpit View: Fair Blind Area: Rear

Protection: Cockpit +2 Fuel +2 Engine +0

Climb Decel / Dive Accel: 3.0/1.0

Weight and Load Limit: 700/3-7

Wpn Stations	Weight	Allowed Loads
1	350	Bomb, Fuel Tank
2	350	Bomb, Fuel Tank

Country: Italy

Service Entry Date: 1949

Class: F

Victory Points: 5-10

AIRCRAFT PERFORMANCE CHART

Altitude Levels	Band	Minimum Speed	Maximum Speed	Maximum Dive Spd.	Min. TT(2)	Min. HT(3)	Min. BT(4)	Min. ET(5)	Altitude Band	Levels	Average Rate Of Climb
43+	UH	—	—	—	—	—	—	—	UH	43+	—
37-42	EH	—	—	—	—	—	—	—	EH	37-42	—
31-36	VH	3.0	7.0	11.0	4.5	6.0	7.5	8.5	VH	31-36	800
25-30	HI	2.5	7.0	11.0	4.0	5.5	6.5	7.5	HI	25-30	1,500
19-24	MH	2.5	7.5	11.5	3.5	5.0	6.0	7.0	MH	19-24	2,200
13-18	ML	2.5	7.5	11.0	3.0	4.5	5.5	6.5	ML	13-18	2,700
7-12	LO	2.0	7.0	10.5	3.0	4.0	5.0	5.5	LO	7-12	2,900
1-6	VL	2.0	6.5	10.0	2.5	3.5	4.5	5.0	VL	1-6	3,100

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals
W1	One 20mm Hispano	8	2
W2	One 20mm Hispano	8	2

GUN ATTACK FACTORS

Range	W1	W2	(Total)
0	29	29	58
1	22	22	44
2	14	14	28
3	9	9	18
4	7	7	14
5	5	5	10
6	3	3	6
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	3/-	2/-	—	—	VH
25-30	HI	4/5	2/3	—	—	HI
19-24	MH	5/6	3/4	—	—	MH
13-18	ML	6/8	4/5	—	—	ML
7-12	LO	7/9	5/6	—	—	LO
1-6	VL	7/9	5/6	—	—	VL
Banking FPs:		2	2	4	6	
Side Slip FPs:		3	4	6	8	

NOTES AND VARIANTS

G.59-4B: 1951 model with bubble canopy (View = Good, Blind Arc = Rear Low) and 4 cannon (add W3, W4 equal to W1 and reduce all ammo to 6).

Piaggio P.108

A/C Type: Heavy Bomber
 Engine(s): Four Piaggio P.XII RC.35
 Eng. Pwr: 1350 HP, Radial Air Cooled
 A/C Crew: Pilot, Copilot, Bombardier
 4 gunners
 Maximum Speed: 267 MPH at 13800
 Maximum Ceiling: 27000/22000/18000
 Defense Factor: 6 Size Modifier: +2
 Damage Factor: 25/38 Endurance: 850
 Cockpit View: Good Blind Area: None
 Protection: Cockpit +2 Fuel +1 Engine +0
 Climb Decel / Dive Accel: 3.0/1.0
 Weight and Load Limit: 7700/8-22
 Wpn Stations Weight Allowed Loads
 Bomb Bay 1 7700 Bombs, Torpedoes

Country: Italy

Service Entry Date: June 1942

Class: H

Victory Points: 9-19

AIRCRAFT PERFORMANCE CHART

Altitude Levels	Band	Minimum Speed	Maximum Speed	Maximum Dive Spd.	Min. TT(2)	Min. HT(3)	Min. BT(4)	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	4.5	7.5	4.0	5.5	—	—	HI	25-30	300
19-24	MH	2.5	5.0	7.5	3.5	5.0	6.0	—	MH	19-24	500
13-18	ML	2.5	5.0	7.0	3.0	4.5	5.5	—	ML	13-18	900
7-12	LO	2.0	5.0	6.5	3.0	4.0	5.0	—	LO	7-12	1,200
1-6	VL	2.0	4.5	6.0	2.5	3.5	4.5	—	VL	1-6	1,400

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals
LT,RT	Two 12.7mm MG	30	3
FT	One 12.7mm MG	-	3
LG,RG	One 7.7mm MG	-	4
BT	One 12.7mm MG	-	3

GUN ATTACK FACTORS

Range	LT,RT	FT	LG,RG	BT
0	15	5	4	7
1	12	4	3	5
2	8	3	2	4
3	5	2	1	2
4	4	1	1	2
5	3	1	1	1
6	2	1	—	1
7	1	—	—	—

WEAPONS STATIONS DIAGRAM

POWER VERSUS SPEED CHART (per engine)

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	0.5	—	—	—	HI
19-24	MH	0.75	0.5	—	—	MH
13-18	ML	1	0.75	—	—	ML
7-12	LO	1.25	1	—	—	LO
1-6	VL	1.25	—	—	—	VL
Banking FPs:		3	5	7	—	
Side Slip FPs:		4	6	8	—	

DEFENSIVE GUN COVERAGE

LT: All high+; left front high; rear and left rear level to high
 RT: All high+; right front high; rear and right rear level to high
 FT: Front +30 level to high (Bombardier)
 LG: Left rear -30 low to high
 RG: Right rear -30 low to high
 BT: All low

NOTES AND VARIANTS

Only one of RG and LG may fire in a turn (the same gunner fires both).
 Station 1 is bomb bay for 3 torpedoes (weight 1000, load 5.0)
 or 7 500kg bombs.

He 219A-7/R1 "Uhu"

A/C Type: Night Fighter
 Engine(s): Two DB603G
 Eng. Pwr: 1800-1900 HP, Liquid Cooled
 A/C Crew: Pilot, radar operator

Maximum Speed: 416 MPH at 25000
 Maximum Ceiling: 41700

Defense Factor: 6 Size Modifier: +1
 Damage Factor: 20/30 Endurance: 300
 Cockpit View: Good Blind Area: 6:00 low

Protection: Cockpit +2 Fuel +2 Engine +1

Climb Decel / Dive Accel: 3.0/1.5*

Weight and Load Limit:

Wpn Stations Weight Allowed Loads

Country: Germany

Service Entry Date: 1943

Class: M

Victory Points: 7-14

AIRCRAFT PERFORMANCE CHART

Altitude Levels	Band	Minimum Speed	Maximum Speed	Maximum Dive Spd.	Min. TT(5)	Min. HT(6)	Min. BT(8)	Min. ET	Altitude Band	Levels	Average Rate Of Climb
43+	UH	—	—	—	—	—	—	—	UH	43+	—
37-42	EH	5.0	7.5	10.0	6.5	9.5	—	—	EH	37-42	700
31-36	VH	4.0	7.5	10.0	6.0	8.5	10.0	—	VH	31-36	1,000
25-30	HI	3.5	8.0	10.5	5.5	7.5	9.0	—	HI	25-30	1,200
19-24	MH	3.5	8.0	10.5	4.5	7.0	8.0	—	MH	19-24	1,400
13-18	ML	3.0	7.5	10.0	4.5	6.0	7.5	—	ML	13-18	1,600
7-12	LO	3.0	7.0	9.5	4.0	5.5	6.5	—	LO	7-12	1,800
1-6	VL	2.5	6.5	9.0	3.5	5.0	6.0	—	VL	1-6	1,900

FIRE POWER CHART

Guns	Type Weapons	Ammo	Criticals
N1	Two 30mm MK 103	8	1.5
N2	Two 20mm MG-151	13	2
W1	Two 30mm MK 108	7	1.5

GUN ATTACK FACTORS

Range	N1	N2	W1	(Total)
0	46	52	38	136
1	36	39	30	105
2	24	26	22	72
3	16	17	14	47
4	10	12	9	31
5	8	9	6	23
6	6	7	—	13
7	4	—	—	4

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	1/-	.5/-	—	—	EH
31-36	VH	1.5/-	1/-	—	—	VH
25-30	HI	1.5/2.5	1/1.5	.5/1	—	HI
19-24	MH	2/3	1/2	.5/1	—	MH
13-18	ML	2.5/3	1.5/2	—	—	ML
7-12	LO	2.5/3	1.5/2	—	—	LO
1-6	VL	2.5/3	1.5/2	—	—	VL
Banking FPs:		2	3	5	7	
Side Slip FPs:		3	4	6	8	

NOTES AND VARIANTS

All He 219A-7: Ejection seats. Pressurized cockpit: ignore oxygen failure until first cockpit critical hit. Subtract .5 from max level speeds if radar installed.

He 219A-7/R2: Replace MK 103 with MK 108 (N1 same as W1.)

He 219A-7/R3: W1 = Two 20mm MG-151, N1 = Two 30mm MK 108.

He 219A-7/R5: Anti-Mosquito variant. Armament as R3. Add .5 to all power numbers. Cockpit and fuel protection +1. No engine protection.