



# ES-5 (Caiman) Class V-VI Scout/Escort/Destroyer



## Construction Data

<i>Class</i>	V	V	V	V	VI	VI
<i>Model Numbers</i>	A	B	C	D	E	F
<i>Date Entering Service</i>	2263-2272	2267-2272	2272	2278	2284	2289
<i>Number Constructed</i>	80	36	30	45	30	14

## Hull Data

<i>Superstructure Points</i>	15	16	18	18	21	23
<i>Damage Chart</i>	C	C	C	C	C	C
<i>Size</i>						
Length	110 m	110 m	110 m	110 m	112 m	112 m
Width	65 m	65 m	65 m	65 m	67 m	67 m
Height	50 m	50 m	50 m	50 m	51 m	51 m
Weight	50,233 mt	52,553 mt	58,133 mt	58,943 mt	75,018 mt	78,358 mt

## Cargo

Cargo Units	80 SCU	80 SCU	85 SCU	85 SCU	95 SCU	95 SCU
Cargo Capacity	4000 mt	4000 mt	4250 mt	4250 mt	4750 mt	4750 mt
Landing Capability	None	None	None	None	None	None

## Equipment Data

<i>Control Computer Type</i>	1CG	1CG	1DG	1DG	1DG	1DG
<i>Transporters</i>						
standard 9-person	2	2	2	2	2	2
emergency 25-person	0	0	0	0	0	0
cargo	1	1	1	1	1	1

## Other Data

<i>Crew</i>	60	62	70	70	90	92
<i>Passengers</i>	0	0	0	0	0	0
<i>Shuttlecraft</i>	2	2	2	2	2	2

## Engines and Power Data

<i>Total Power Units Available</i>	26	27	27	27	40	40
<i>Movement Point Ratio</i>	2/1	2/1	2/1	2/1	3/1	3/1
<i>Warp Engine Type</i>	GWB-1	GWB-1	GWB-1	GWB-1	GWC-2	GWC-2
Number	2	2	2	2	2	2
Power Units Available	12 ea.	12 ea.	12 ea.	12 ea.	18 ea.	18 ea.
Stress Charts	O/P	O/P	O/P	O/P	M/P	M/P
Maximum Safe Cruising Speed	Warp 7	Warp 7	Warp 7	Warp 7	Warp 7	Warp 7
Emergency Speed	Warp 8	Warp 8	Warp 8	Warp 8	Warp 9	Warp 9
<i>Impulse Engine Type</i>	GIB-2	GID-1	GID-1	GID-1	GIB-3	GIB-3
Power Units Available	2	3	3	3	4	4

## Weapons and Firing Data

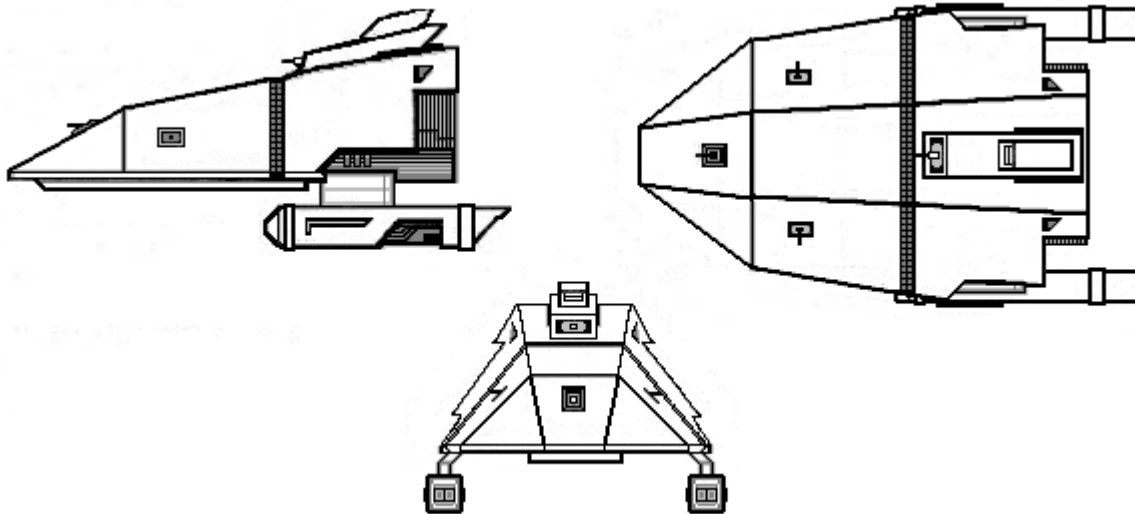
<i>Beam Weapon Type</i>	GBL-3	GBL-4	GBL-4	GBL-9	GBL-9	GBL-10
Number	4	4	4	4	4	4
Firing Arcs	1f/p,1f/s	1f/p,1f/s	1f/p,1f/s	1f/p,1f/s	1f/p,1f/s	1f/p,1f/s
	1f/p/s,1a/p/s	1f/p/s,1a/p/s	1f/p/s,1a/p/s	1f/p/s,1a/p/s	1f/p/s,1a/p/s	1f/p/s,1a/p/s
Firing Chart	K	P	P	X	X	U
Maximum Power	3	5	5	4	4	6
<i>Damage Modifiers</i>						
+3	1-5	1-6	1-6	1-8	1-8	1-7
+2	6-10	7-12	7-12	9-18	9-18	8-15
+1	11-15	13-18	13-18	19-20	19-20	16-20
<i>Missile Weapon Type</i>	GP-2	GP-2	GP-2	GP-5	GP-5	GP-5
Number	1	1	2	2	2	2
Firing Arcs	F	F	1f, 1a	1f, 1a	1f, 1a	1f, 1a
Firing Chart	K	K	K	R	R	R
Power To Arm	2	2	2	2	2	2
Damage	10	10	10	14	14	14

## Shields Data

<i>Deflector Shield Type</i>	GSB	GSD	GSH	GSH	GSH	GSH
Shield Point Ratio	1/1	1/1	1/2	1/2	1/2	1/2
Maximum Shield Power	9	10	10	10	10	10

## Combat Efficiency

<i>D--</i>	52.9	56.4	77.7	77.7	82	84.9
<i>WDF--</i>	12.6	19.4	23.6	36.4	36.4	38.8
<i>CE--</i>	6.7	10.9	18.3	28.3	29.8	32.9



#### Notes:

*Known Sphere of Operation:* Federation and Expansion Borders

*Data Reliability:* Class B for A, B & C Models, Class C for D, E & F Models

*Major Data Source:* Gorn Sector Intelligence

The ES-5 'Caiman' entered service with Gorn Alliance forces at approximately the same time as the MA-12 Light Cruiser. Sharing many of the design features of the Hss'li Clan designed MA-12, the 'Caiman' (the Federation code name for the class) has proven to be a versatile and durable light warship. The ES-5A was originally intended to supplement smaller scout ship forces along contested border areas and act as a command ship and/or as a squadron leader for the various class I-IV scout and patrol vessels in service with the Gorn at the time. Possessing the same sensor and communication suites as the larger MA-12, the ES-5A excelled at its assigned task.

First contact with the Federation in 2267 precipitated a number of ship upgrades. Concerned and suspicious of the UFP, the Gorn sought to better protect their convoys and shipping lanes near the UFP border. The ES-5B was introduced specifically as an escort vessel to counter possible aggression against vital shipping during those first, tense years after encountering the Federation. It was also at this time that the Gorn began deploying the ES-5 in small squadrons of 2-5 vessels in an attempt to bolster their strength and combat survivability along the border. Operating in small 'packs', the class proved to be a formidable opponent in numbers.

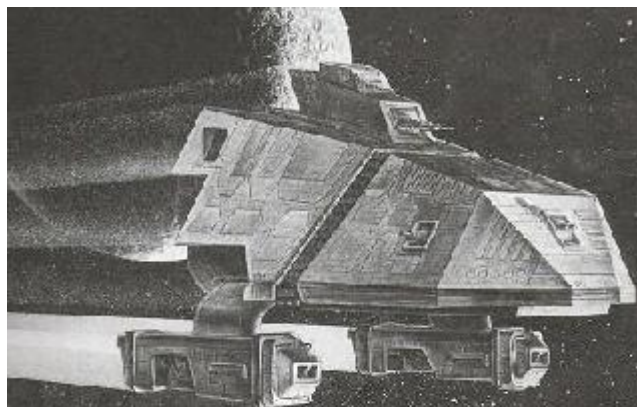
The introduction of the ES-5C demonstrated the Gorn confidence in the class. With improved shielding, a more powerful control computer and the addition of a rear-firing torpedo, the ES-5C began taking on duties as light destroyers within the Gorn fleets. Beginning in 2272, the ES-5A and B models still in service began the process of refit to the C model specifications. When completed in 2275, 60 of the original 80 A models were converted to C models and all 36 B models were converted to C models with the C model replacing all existing production of the class.

The ES-5D, introduced in 2278, featured a complete upgrade of the ES-5 weapon systems and eventually replaced production of the C model in 2286.

The GBL-9 beam weapons coupled with the GP-5 torpedo system increased firepower by one third making the ES-5D a full-fledged destroyer class.

The ES-5E saw the first upgrade of the Caiman's warp engines with the installation of the GWC-2. While slightly reducing the maneuverability of the class, the additional power helped improve the over all performance of the class and prolonged the serviceability of the class. The ES-5F is expected to be the final version of the class to see production. Introduced in 2288, the F model is a capable light warship able to perform well against its contemporaries in the navies of the other neighboring powers.

Of 235 ES-5s built, 8 A models are still known to exist, 5 in reserve fleets, 3 have been sold to private interests. 12 As have been scrapped or destroyed. 60 As and all 36 B models were refit to C models. The C model ceased production in 2288. Of 126 C models 106 remain in active service. 9 have been destroyed, 5 scrapped, 4 are in reserve fleets and 2 have been captured by the Romulans. Of 45 D models, 44 remain in active service with 1 destroyed by the Romulans. 30 E and 16 F models are in active service. The D, E & F models are produced at a rate of 6 each per year.



Based on the graphic from Fanpro's Star Trek: Das Rollenspiel pg. 161. Stats created with materials from Ships Construction Manual 2<sup>nd</sup> Edition by FASA and expanded materials developed by the STCS Design Consortium. Additional graphics by Terry D Shannon. Compiled by Terry D. Shannon.