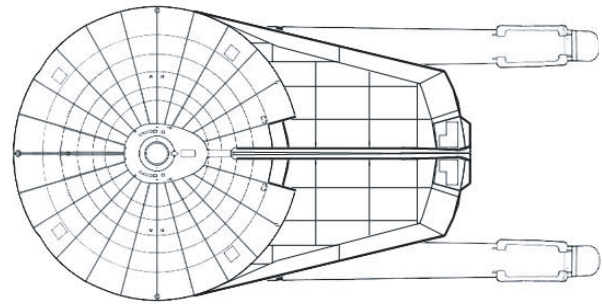
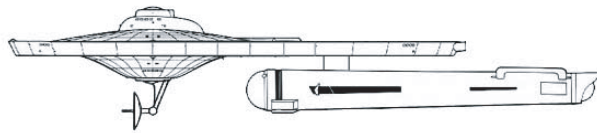


TYRANNIS CLASS IX RESEARCH CRUISER



| | | | | |
|---------------------------------|---------------|-------------------|-------------------|-------------------|
| CONSTRUCTION DATA: | | | | |
| Class - | IX | IX | IX | IX |
| Model - | Mk I | Mk II | Mk III | Mk IV |
| Date Entering Service - | 2249 | 2255 | 2258 | 2264 |
| Number Constructed - | 20 | 8 | 10 | 10 |
| HULL DATA: | | | | |
| Superstructure Points - | 24 | 24 | 24 | 26 |
| Damage Chart - | C | C | C | C |
| Size | | | | |
| Length - | 245 m | 245 m | 245 m | 245 m |
| Width - | 127 m | 127 m | 127 m | 127 m |
| Height - | 46.6 m | 46.8 m | 46.8 m | 46.8 m |
| Weight - | 126,065 mt | 123,930 mt | 125,860 mt | 129,825 mt |
| Cargo | | | | |
| Cargo Units - | 165 SCU | 165 SCU | 100 SCU | 165 SCU |
| Cargo Capacity - | 8,250 mt | 8,250 mt | 5,000 mt | 8,250 mt |
| Landing Capacity - | None | None | None | None |
| EQUIPMENT DATA: | | | | |
| Control Computer Type - | M-2 | M-3 | M-4 | M-4 |
| Transporters - | | | | |
| Standard 6-person - | 2 | 2 | 2 | 2 |
| Emergency 22-person - | 3 | 3 | 3 | 3 |
| Cargo - | 2 | 2 | 2 | 2 |
| OTHER DATA: | | | | |
| Crew - | 205 | 275 | 275 | 275 |
| Passengers- Shuttlecraft - | 30 8 | 30 8 | 30 11 | 30 11 |
| ENGINEERING: | | | | |
| Total Power Units Available - | 22 | 22 | 30 | 34 |
| Movement Point Ratio - | 3/1 | 3/1 | 3/1 | 3/1 |
| Warp Engine Type - | FWE-1 | FWE-1 | FWE-2 | FWE-2 |
| Number - | 2 | 2 | 2 | 2 |
| Power Units Available - | 8 ea. | 8 ea. | 12 ea. | 12 ea. |
| Stress Chart - | G/K | G/K | G/K | G/K |
| Max Safe Cruising Speed - | Warp 7 | Warp 7 | Warp 7 | Warp 7 |
| Emergency Speed - | Warp 8 | Warp 8 | Warp 8 | Warp 8 |
| Impulse Engine Type - | FIB-3 | FIB-3 | FIB-3 | FIE-2 |
| Power Units Available - | 6 | 6 | 6 | 8 |
| WEAPONS AND FIRING DATA: | | | | |
| Beam Weapon Type - | FL-4 | FH-2 | FH-5 | FH-3 |
| Number - | 6 | 6 | 6 | 6 |
| Firing Arcs - | 2 p, 2 f, 2 s | 2 f/p, 2 f, 2 f/s | 2 f/p, 2 f, 2 f/s | 2 f/p, 2 f, 2 f/s |
| Firing Chart - | G | H | R | W |
| Maximum Power - | 3 | 3 | 4 | 5 |
| Damage Modifiers | | | | |
| +3 | - | - | - | (1-10) |
| +2 | - | - | (1-8) | (11-17) |
| +1 | (1-4) | (1-10) | (9-16) | (18-20) |
| Torpedo Weapon Type - | FAC-2 | FP-1 | FP-1 | FP-1 |
| Number - | 2 | 2 | 2 | 2 |
| Firing Arcs - | 2 f | 2 f | 2 f | 2 f |
| Firing Chart - | G | L | L | L |
| Power to Arm - | 4 | 1 | 1 | 1 |
| Damage- | 10 | 10 | 10 | 10 |
| SHIELD DATA: | | | | |
| Deflector Shield Type - | FSH | FSK | FSI | FSL |
| Shield Point Ratio - | 1/2 | 1/2 | 1/3 | 1/3 |
| Maximum Shield Power - | 12 | 15 | 12 | 15 |
| COMBAT EFFICIENCY: | | | | |
| D - | 72.3 | 76.3 | 95.8 | 106.2 |
| WDF - | 8.8 | 16.6 | 27.4 | 43.6 |



NOTES:

One of the most basic of designs, the Tyrannis class of research cruisers were well loved by Star Fleet and the early Science Council of the UFP. Built specifically around a large research deck, the Tyrannis class provided numerous expandable research bays dedicated to a single research project. No other vessel at the time had so much space dedicated to research in a single starship.

The Mk I version of the Tyrannis incorporated the latest in research equipment and was designed using the new FWE-1 engine as its central power plant. This provided sufficient power for the vessel to operate in forward areas while also providing speed and maneuverability. The roomy interior allowed for extensive reinforcing of the hull. Built shortly after the end of the Four-Years war, the Tyrannis was surprisingly well armed for a vessel of its size, allowing it to also operate near hostile borders. This gave Star Fleet a chance to follow up on scouting missions while keeping a military presence visible.

The Mk II saw the installment of the new FH-2 coupled with the FP-1, providing the medium cruisers with increased range and more internal space. This led to the increase of the crew complement and allowed more labs to be installed, giving the Tyrannis a better research base, second only to the Constitution class.

The Mk III saw the installment of the FWE-2 engine to increase both power and range. An upgrade to the weapons kept the vessel in the forefront of both military and exploration efforts. Unfortunately, even with its reinforced hull, the Tyrannis suffered from a dangerous vulnerability to its engineering spaces, a vulnerability born true when the USS Chandris was crippled by a single volley of disruptor fire from an Orion purchased gunboat. The Tyrannis was looted by transporter and had to be towed to a Star Base after a rescue ship arrived 16 days later. Despite this setback, the Tyrannis class continued to serve in the front lines, and was often assigned to dangerous missions.

But the Tyrannis' days were numbered. The Mk IV saw very little success. Out powered by many other vessels, the Mk IV proved to be the last variant of the venerable cruiser. Although extremely well armed and shielded, the under-powered nature of the vessel forced its withdrawal from front line research. Most were converted to Mk IV within a year of its introduction, and shortly after were assigned to research escort missions in multi-ship projects along the coreward and spinward expansions. The Tyrannis was still a popular vessel, though and its lines can clearly be seen in the Coventry and Miranda designs.

Of the 50 ships built, 5 have been lost, 10 have been destroyed, 7 have been scrapped, 1 was captured by forces in the triangle, and 16 have been sold to various interests, including 4 Mk I's, 4 Mk III's and 7 Mk IV's. One is currently a museum at the Brell Ship Museum of Andor. The Tyrannis was built at the Sol III shipyards at a rate of 6 per year.

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