



Achernar and Tikopai Class V-X Supplemental Cruisers



Construction Data	Achernar I (Ptolemy)	Achernar II (Keppler)	Tikopai I (Dollond)	Tikopai II (Doppler)
<i>Model Numbers</i>				
<i>Date Entering Service</i>	2253	2253	2254	2254
<i>Number Constructed</i>				
Hull Data	VI	V	IX	X
<i>Superstructure Points</i>	21	18	25	27
<i>Damage Chart</i>	C	C	C	C
<i>Size</i>				
Length	222m	222m	224m	224m
Width	127m	127m	145m	145m
Height	66m	66m	66m	66m
Weight	79,365	46,310	130,535	153,535
<i>Cargo</i>				
Cargo Units (SCU)	200	200	300	300
Cargo Capacity (mt)	10,000	10,000	15,000	15,000
Landing Capability				
Equipment Data				
<i>Control Computer Type</i>				
<i>Transporters</i>	M-1	M-1	M-2	M-2
standard 6-person	3	3	2	2
emergency 22-person	4	5	5	4
cargo	2	2	2	2
Other Data				
<i>Crew (Main Ship)</i>	220	212	235	235
<i>Crew (Combat Pod)</i>	100	100	100	100
<i>Passengers</i>	20	20	20	20
<i>Shuttlecraft</i>	4	4	6	6
Engines and Power Data				
<i>Total Power Units Available</i>	21	22	22	26
<i>Movement Point Ratio</i>	3/1	4/1	3/1	4/1
<i>Warp Engine Type</i>	FWB-1	FWH-1	FW E-1	FWD-1
Number	2	2	2	2
Power Units Available	18	20	16	20
Stress Charts	M/O	Q/R	G/K	L/G
Maximum Safe Cruising Speed	6.0	4.0	7.0	6.0
Emergency Speed	7.0	5.0	9.0	8.0
<i>Impulse Engine Type</i>	FIC-2	FIB-1	FIC-3	FIC-3
Power Units Available	3	2	6	6
Weapons and Firing Data				
<i>Beam Weapon Type</i>	FL-1	FL-1	FL-2	FL-2
Number	2	1	2	2
Firing Arcs	1fp, 1fs	1f	1f/s, 1 f/p	1f/s, 1 f/p
Firing Chart	D	D	F	F
Maximum Power	2	2	2	2
Damage Modifiers	None	None	None	None
<i>Beam Weapon Type</i>	FL-4	FL-4	FL-4	FL-4
Number	8	8	8	8
Firing Arcs	2fs,2fp,2ap,2as	2fs,2fp,2ap,2as	2fs,2fp,2ap,2as	2fs,2fp,2ap,2as
Firing Chart	G	G	G	G
Maximum Power	3	3	3	3
Damage Modifiers				
+2	(1 - 4)	(1 - 4)	(1 - 4)	(1 - 4)
+1	-	-	-	-
<i>Missile Weapon Type</i>	FAC-3	FAC-3	FAC-3	FAC-3
Number	2	2	2	2
Firing Arcs	2f	2f	2f	2f
Firing Chart	H	H	H	H
Power To Arm	4	4	2	4
Damage	12	12	12	12
Shields Data				
<i>Deflector Shield Type</i>	FSA	FSA	FSC	FSC
Shield Point Ratio	1/1	1/1	1/1	1/1
Maximum Shield Power	7	8	6	5
Combat Efficiency				
<i>D--</i>	55.0	44.7	55.3	56.1
<i>WDF--</i>	16.6	16.2	16.8	16.8
<i>CE--</i>	9.1	7.2	9.3	9.4

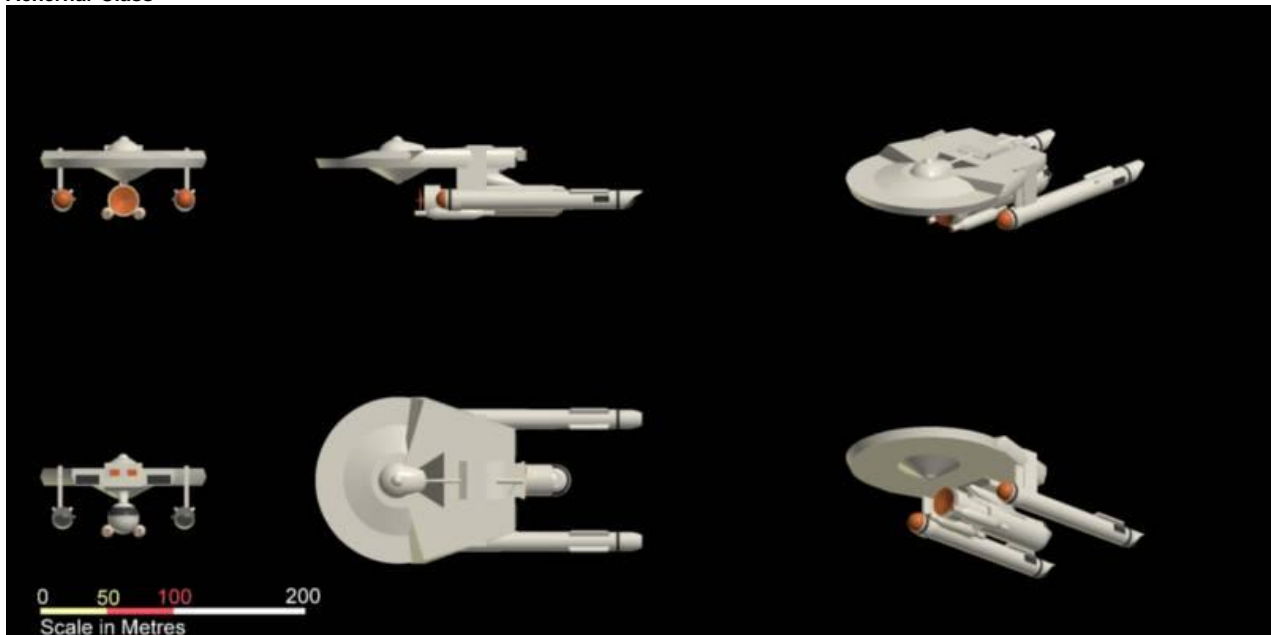
The Four Years War saw the need for large number of escort cruisers to be quickly commissioned. The Achernar and Tikopai classes of supplemental cruisers met this need. The Achernar class was adapted from the mark two versions of the standard Ptolemy (Achernar Mark 1) and Keppler (Achernar Mark 2) classes of Transport Tug. The Tikopai class was adapted from the mark two versions of the Dollond (Tikopai Mark 1) and Doppler (Tikopai Mark 2) classes. All four of these tug classes were in both Starfleet and Civilian service, and ships originally destined for civilian lines were diverted to this program.

The supplemental cruisers were created by the addition of a specialist pod with a hanger, enhanced sensors and weapons. The mother ship itself was unchanged, except for the impulse drive if it required upgrading and retained its own light weapons fit. This solution meant large numbers of the supplemental cruisers could be built quickly, as the Tugs were already mass produced in civil yards, and the weapons hull could be easily built by the smaller warship builders. These ships, although underpowered, were an invaluable asset in convoy escort duties throughout the war. Post-war these ships were all swiftly de-commissioned and converted to standard tug configuration, and then either sold off for commercial transport use, or used to replace wartime tug losses in the fleet.

The weapon pod contained 8 FL-4 Lasers in 4 banks, with 2 banks covering each arc of fire, a pair of FAC-3 accelerator cannons was positioned on the sides of the pod to fire forward. These ships provided a valuable role escorting convoys, often hiding amongst innocent looking standard configuration tugs to lure attackers in. The main criticism that could be levelled at both of the classes was the weak shielding systems, but the adoption of more advanced shielding systems would have prevented the construction of the ships in civilian yards.



Achernar Class



Tikopai Class

Ptolemy/Keppler Class © Franz Joseph Designs, Dollond/Doppler Class © Patrick Lichty & Associates
FASA Stats by Steve Bacon/Lee Wood (fasafan@hotmail.com) CG Images and class history by Steve Bacon