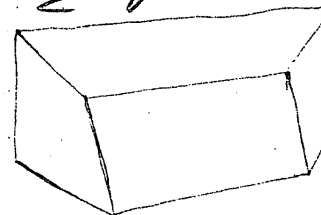


7-11 Spacecraft.

~~SECRET~~

TOTAL VOLUME AVAILABLE
FOR CUSTOMER $\approx 2\frac{3}{4}$ ft³

NRP file



$$V_1 = 2' \times \frac{3'}{4} \times \frac{1'}{2} = \frac{3}{4}$$

$$V_2 = \frac{1}{2} V_1 = \frac{3}{8} \text{ ft}^3$$

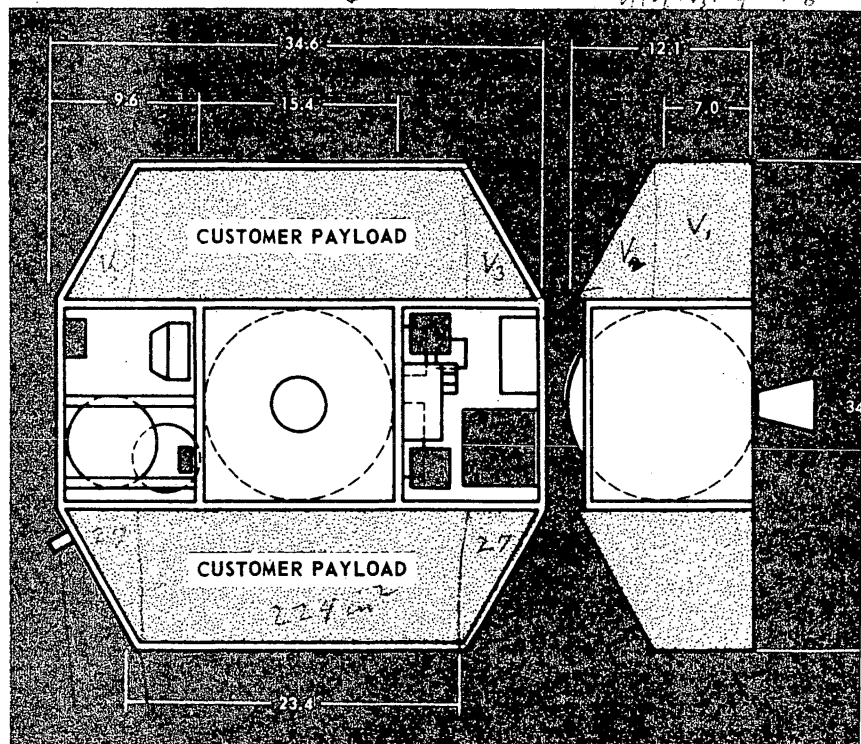
$$V_3 = \frac{3}{16} \text{ ft}^3$$

$$V_4 = \frac{3}{32} ft^3$$

$$V_1 + V_2 + V_3 + V_4 = 1\frac{3}{8} \text{ ft}^3$$

TECHNICAL DATA

- Useful Orbital Life: 6 months
 - Vehicle Weight: 130 to 250 pounds
(including payload)
 - Payload Weight: to 200 pounds
 - Dimensions: approximately 35 x 35 x 13 inches (rocket motor nozzle extends an additional 4 inches along the thrust axis)
 - Method of Stabilization: spin stabilized (60 to 80 rpm)
cold gas ejected through 2 spin nozzles
 - Propulsion System: any of 3 solid rocket motors for high and low orbit capability
- Nominal Total Impulse:
- Model 0207: 1237 pound-seconds
(513 pounds thrust for 2.41 seconds)
 - Model 1207: 17,650 pound-seconds (856 pounds thrust for 20.6 seconds)
 - Model 2207: 200 pound-seconds per motor (1000 pounds thrust for 0.8 second)
(2 motors)
- Electrical Power System: solar cells with secondary battery voltage limiter and control circuits for 22 to 29.25 volts dc
power available/day 280 watt-hours
- Launch System: orbital-launching from Agena or other space vehicle
swing-out launching frame incorporating soft-spring system for satellite separation



Ye have not wisdom, do not the Lord!

224
 54
 278
 32
 258

5561N
P11.

~~MANDRE VIA~~
~~SYSTEMS INTEL K-100/COMING~~
CONTROL SYSTEMS JOINTLY
LAWSON - 455-777
+ 455-1111 x 6 = 40
29th Satellite
TOWNS = 9554