CH-47 INFORMATION

Basic Weight   17300 lbs
Oil 3.7 Gal   28 lbs
Crew 4 (200)   800 lbs
Operating Weight   18128 lbs

Maximum T/O Gross Weight   33000 lbs
Fuel 630 Gals (Full)   4095 lbs

Maximum T/O Gross Weight   33000 lbs
A/C Weight Including Full Fuel   22223 lbs
Allowable cargo load with full fuel   10777 lbs

RADIUS OF ACTION (NO WIND)

Based on T/O weight of 33,000 lbs. Figure on burning 200 lbs of fuel on run-up.

25 Nautical Miles - Fuel 1839 lbs, Cargo 13033 or 32 Combat Troops.
                    Flight time 30 minutes.

50 Nautical Miles - Fuel 2680 lbs, Cargo 12192 or 32 Combat Troops.
                    Flight time 1 + 00 hours.

100 Nautical Miles - Fuel 4095, Cargo 10777 or 32 Combat Troops.
                     Flight time 2 + 00.

COMPANY SIZE EFFORT

Utilizing 70% of authorized A/C or 11 A/C.

25 Nautical Miles - 352 Combat Troops or 143, 363 lbs cargo.

50 Nautical Miles - 352 Combat Troops or 134, 112 lbs cargo.

100 Nautical Miles - 352 Combat Troops or 118, 547 lbs cargo.

EXTERNAL LOADS

Maximum allowable load 14,000 lbs.
(This would give you 20% total fuel remaining or approximately 30 minutes flight time)
Cargo sling capacity 16,000 lbs. (Design)

The Mohawk has 3 stations under each wing. Each wing can support 2,000 lbs. The two inboard stations are presently being used for aerial flares only.

WEAPONS	WEIGHT
✓ 50 Cal MG Pods	485 lbs (Including 750 rounds)
✓ 7D Packs	900 lbs (19 2.75 rockets ea.)
✓ 6A Packs	400 lbs (6 2.75 rockets ea.)
1. HVAR (High velocity aerial rocket)	100 lbs (5" rocket)
2. ZUNI	160 lbs (Approx)5" rocket)
3. Mini Gun	? (7.62)
4. Aerial Flares	?
5. Sidewinder	?

NOTES

1. Can only carry one per station, not including two inboard stations. There is a rocket rack that will allow 4 rockets per station. Don't have this rack at the present time.

2. 5" rocket, 100" long, Mach 2 speed - more punch than HVAR.

3. Gattling type gun.

4. Presently one flare per station. With adapter 3 flares per station. Have this adapter now.

5. Sidewinder can possibly be used with Mohawk and adapter.