

PIASECKI (VERTOL) H-21 WORKHORSE / SHAWNEE

H-21 SERVICE

Manufacturer: Piasecki Helicopter Corp., Morton, Pennsylvania, USA
(In 1956, became Vertol Aircraft Corp.)
Models: PV-3, PV-17, PV-22, Vertol Model 42, 43, 44, 71
Designations: H-21 (CH-21); HRP, CH-125 / CH-127 (Canada)
Names: Rescuer (USN); Workhorse (USAF); Shawnee (US Army)

First official flight: XHRP-1 -
YH-21 11 Apr 1952
Factory production period: 1947 – 1958
Primary service period: 1948 – 1965
Last official flight: CH-21C 1965

H-21 VARIANTS

-	Model PV-3	XHRP-1	2	
-	Model PV-3	HRP-1	35	
1948	Model PV-17	HRP-2	5	Total: 042

1952	Model PV-22	YH-21	18	
1953	Model 42	H-21A	38	
1954	Model 42	H-21B	168	
1953	Model 43	H-21C	334	Total: 558

-	Model 44A	Model 44A	-	
-	Model 44B	Model 44B	-	
-	Model 44C	Model 44C	-	Total: -

Total: 600

Foreign built – West Germany:
1957 Model 43 H-21C 32 **Total: 032**

H-21 PRODUCTION

Military Helicopters

XHRP-1 Rescuer

*Prototype, single-engined tandem
3-bladed rotor transport helicopter
for the US Navy and USMC.*

produced

Piasecki Morton, Pennsylvania (P)

BuNo. 37968, 37969 -

2 **Total: 002**

- 1 (BuNo. 85390), additional airframe cancelled.

HRP-1 Rescuer

As XHRP-1, fabric fuselage skin.

3 to USCG.

produced

Piasecki Morton, Pennsylvania (P)

BuNo. 111809 / 111828 1 / 20

BuNo. 111834 / 111848 21 / 35

35 Total: 035

HRP-2 Rescuer

As HRP-1, redesigned metal fuselage.

All 5 to USCG.

produced

Piasecki Morton, Pennsylvania (P)

BuNo. 111829 / 111833 1 / 5

5 Total: 005

YH-21 Workhorse

As HRP-2, service test version for

USAF evaluation.

produced 1952 – 1953

Piasecki Morton, Pennsylvania (PH)

50-1231 / 50-1248 -

18 Total: 018

H-21A Workhorse

As YH-21, engine upgrade, minor changes.

Redesignated as **CH-21A** in 1962.

produced 1953 – 1954

Piasecki Morton, Pennsylvania (PH)

51-15238 / 51-15269 -

52-8487 / 52-8492 -

38 Total: 038

- 6 to Canada as 9610 / 9615,

redesignated as **CH-125** in 1968.

H-21B Workhorse

As H-21A, engine upgrade, various

improvements, external fuel tanks.

Redesignated as **CH-21B** in 1962.

produced 1954 – 1957

Piasecki / Vertol Morton, Pennsylvania (PH / VL)

51-15854 / 51-15880 B-1 / B-27

52-8665 / 52-8679 B-28 / B-42

52-8681 / 52-8709 B-43 / B-71

53-4322 / 53-4402 B-72 / B-152

- 9 to Canada as 9636 / 9644,

redesignated as **CH-125** in 1968.

54-4000 / 54-4008 B-153 / B-161

- 9 to France.

55-5127 / 55-5131 B-162 / B-166

- 5 to France.

57-2610, 57-2611 B-167, B-168

168 Total: 168

H-21C Shawnee

As H-21B, version for US Army,

ventral sling hook, minor changes.

Redesignated as **CH-21C** in 1962.

produced 1953 – 1958

Piasecki / Vertol Morton, Pennsylvania (PH / VL)

51-15881 / 51-15913 C-1 / C-33

52-8613 / 52-8664 C-34 / C-85

52-8680	C-176	
55-4132 / 55-4221	C-86 / C-175	
56-2015 / 56-2160	C-177 / C-322	
56-4343 / 56-4354	C-323 / C-334	334 Total: 334

Civil Helicopters

Model 44A

*As H-21B, civil 19-seat version,
engine upgrade.*

produced

Piasecki Morton, Pennsylvania

civil / mil reg.

- **Total: -**
 - 6 to Canada as **CH-127**, 9591 / 9596
 (USAF s/n: 60-5445 / 60-5449, 59-5927).
 - 6 to MAP with USAF s/n: 59-2331 / 59-2336.

Model 44B

*As 44A, 15-seat passenger / cargo
version. 2 to Sweden as **HKP-1**.*

produced

Piasecki Morton, Pennsylvania

civil / mil reg.

- **Total: -**

Model 44C

*As 44A, executive 8-seat version.
9 to Sweden as **HKP-1**.*

produced

Piasecki Morton, Pennsylvania

civil / mil reg.

- **Total: -**

Total: 600

Foreign built – West Germany:

H-21C

West German built version.

produced 1957 – 1959

Weser Flugzeugbau, West Germany

(W. Germany) 83+01 / 83+32 WG.1 / WG.32 32 **Total: 0032**

H-21 CONVERSIONS & TRANSFERS

USAF

SH-21B 1+ H-21B, search and rescue conversions, equipment changes.

(HH-21B) 1+ 1962, redesignation of the SH-21B.

US Army

(Model 71) XH-21D

2 H-21C, 1957, prototypes with twin-turbine engine upgrade.

FOREIGN MILITARY SERVICE

- *The H-21 served with the military forces of Canada, France, Japan, Sweden, West Germany and Zaire.*