

SIKORSKY H-19 CHICKASAW

H-19 SERVICE

Manufacturer: Sikorsky Aircraft Division, United Aircraft Corp.,
Bridgeport, Connecticut, USA

Model: S-55

Designations: H-19 (UH-19); HO4S; HRS

Names: Chickasaw; Whirlwind (RAF / Royal Navy)

First official flight: YH-19 10/11/1949

Factory production period: 1949 – 1961

Primary service period: 1950 – 1960's

Last official flight: CH-19E 26/02/1969

H-19 VARIANTS

1949 **Model S-55** YH-19 5 **Total: 0005**

1951 **Model S-55** H-19A 51

1953 **Model S-55** H-19B 264

1952 **Model S-55** H-19C 72

1953 **Model S-55** H-19D 297 **Total: 0684**

1950 **Model S-55** HO4S-1 10

1953 **Model S-55** HO4S-3 92

1951 **Model S-55** HO4S-3G 31 **Total: 0133**

1951 **Model S-55** HRS-1 60

1952 **Model S-55** HRS-2 101

1953 **Model S-55** HRS-3 110

1956 **Model S-55** HRS-3Z 5 **Total: 0276**

1951 **Model S-55** S-55 100

1954 **Model S-55A** S-55A 6

1953 **Model S-55C** S-55C 77 **Total: 0183**

Total: 1281

Foreign built – England:

1952 **Model WS-55** Whirlwind Series 431 **Total: 0431**

Foreign built – France:

1952 **Model S-55** - - **Total: -**

Foreign built – Japan:

1959 **Model S-55A** S-55A 11

1958 **Model S-55C** S-55C 32 **Total: 0043**

Foreign built – Yugoslavia:
1961 Model S-55-5 S-55-5 21 Total: 0021

Total: 0495

Grand Total: 1776

H-19 PRODUCTION

Military Helicopters

YH-19

Prototype single-engined, 3-bladed rotor, utility helicopter for USAF. 4-wheeled u/c. produced 1949 – 1950

Sikorsky Stratford, Connecticut (SI)

49-2012 / 49-2016 55-001 / 55-005 5 Total: 0005

H-19A

As YH-19, engine upgrade, minor changes. Many later upgraded with H-19B tail-boom. 5 HRS-1 also transferred.

produced 1951 – 1952

Sikorsky Stratford, Connecticut (SI)

51-3846 / 51-3895 mixed 55-064 to 55-174

- 6 to Spain as Z.1C-15 / -18, -23, -24.

51-7139 55-137 51 Total: 0051

- 1 to Portugal as 9101.

H-19B

As H-19A, engine upgrade, tail-boom angled down, minor changes. 4

HRS-3 also transferred. 2 SNCASE machines also transferred as 56-6673, 56-6674.

produced 1953 – 1955

Sikorsky Stratford, Connecticut (SI)

51-3896 / 51-3968 mixed 55-323 to 55-489

52-7479 / 52-7600 mixed 55-490 to 55-735

53-4404 / 53-4464 mixed 55-736 to 55-858

53-4878 / 53-4885 mixed 55-769 to 55-831 264 Total: 0264

5 to Spain as Z.1-1 / -5.

7 to Turkey.

H-19C

As H-19A, US Army version.

produced 1952 – 1953

Sikorsky Stratford, Connecticut (SI)

51-14242 / 51-14313 mixed 55-175 to 55-322 72 Total: 0072

H-19D

As H-19B, US Army version. 2 to US Navy as HO4S-3, BuNo. 150193, 150194. Improvements designated as the H-19D-3, -4. produced 1953 – 1959

Sikorsky Stratford, Connecticut (SI)
 52-7601 / 52-7625 *mixed 55-496 to 55-685*
 54-1408 / 54-1437 *mixed 55-802 to 55-872*
 55-3174 / 55-3228 *mixed ? to 55-984*
 - 2 to Spain as Z.1A-25, -26.
 - 8 to France as **UH-19D**.
 55-4937 / 55-4944 *mixed 55-985 to 55-996*
 55-5235 / 55-5240 -
 56-1519 / 56-1568 *mixed 55-997 to 55-1112*
 56-4246 / 56-4283 *mixed 55-1094 to 55-1179*
 - 2 to Spain as Z.1A-6, -7.
 57-1616 / 57-1641 *mixed 55-1163 to 55-1241*
 57-5926 / 57-5982 *mixed 55-1203 to 55-1259*
 59-4973, 59-4974 55-1277, 55-1278 297 **Total: 0297**
 36 additional airframes cancelled.

HO4S-1

As H-19A, US Navy version.
produced 1950 – 1951
 Sikorsky Stratford, Connecticut (S)
 BuNo. 125506 / 125515 55-006 / 55-015 10 **Total: 0010**

HO4S-2 – Proposed SAR version of HO4S-1 for USCG, cancelled.

HO4S-3

As H-19B, US Navy version.
2 H-19D also transferred.
produced 1953 – 1955
 Sikorsky Stratford, Connecticut (S)
 BuNo. 133739 / 133753 *mixed 55-455 to 55-500*
 - 15 to the Royal Navy as **Whirlwind HAS.Mk. 22**,
 WV199 / WV205, WV218 / WV225.
 BuNo. 133777 / 133779 55-471 / 55-473
 - 3 to The Netherlands as 8-2 / -4.
 BuNo. 138494 / 138529 *mixed 55-504 to 55-629*
 BuNo. 138577 / 138601 *mixed 55-582 to 55-724* 79
 (Canada)
mixed 55144 to 55892 mixed 55-144 to 55-892 13 **Total: 0092**
 28 additional airframes cancelled.

HO4S-3G

As HO4S-3, USCG version.
produced 1951 – 1958
 Sikorsky Stratford, Connecticut (S)
 (USCG) 1252 / 1258 *mixed 55-086 to 55-099*
 (USCG) 1281 55-459
 (USCG) 1298 / 1310 *mixed 55-501 to 55-746*
 (USCG) 1323 / 1331 *mixed 55-1110 to 55-1146*
 (USCG) 130219 55-349 31 **Total: 0031**

HRS-1

As H-19A, USMC troop transport version.
5 to USAF as **H-19A**, 51-17662 / 51-17666.
produced 1951 – 1952

Sikorsky Stratford, Connecticut (S)

BuNo. 127783 / 127842 mixed 55-017 to 55-082 60 **Total: 0060**
1 additional airframe cancelled.

HRS-2

As HRS-1, minor changes.
produced 1952

Sikorsky Stratford, Connecticut (S)

BuNo. 129017 / 129049 mixed 55-089 to 55-167
BuNo. 130138 / 130205 mixed 55-181 to 55-318 101 **Total: 0101**
- 10 to the Royal Navy as **Whirlwind**
HAR.Mk. 21, WV189 / WV198.

HRS-3

As H-19B, USMC troop transport version.
4 to USAF as **H-19B**, 52-10991 / 52-10994.
produced 1953 – 1957

Sikorsky Stratford, Connecticut (S)

BuNo. 130206 / 130264 mixed 55-334 to 55-431
- 4 to France.
BuNo. 137836 / 137845 mixed 55-432 to 55-454
BuNo. 140958 / 140961 -
BuNo. 141029, 141230 -
BuNo. 142430 / 142436 -
BuNo. 144244 / 144258 -
BuNo. 144268 / 144270 mixed 55-1029 to 55-1041
- 3 to Spain as Z.1-8 / -10.
BuNo. 144666, 144667 55-1064, 55-1075
- 2 to Spain as Z.1-11, -12.
BuNo. 144668 55-1076
BuNo. 144688 55-1088
-1 to Spain as Z.1-13.
BuNo. 146298 / 146302 -
BuNo. 146439 55-1153 110 **Total: 0110**
-1 to Spain as Z.1-14.

HRS-3Z

As HRS-3, VIP version for France.
produced 1956

Sikorsky Stratford, Connecticut (S)

(France) - mixed 55-991 to 55-1012 5 **Total: 0005**

HRS-4 – Proposed HRS-3 with engine upgrade, cancelled.

Civil Helicopters

S-55

Commercial transport helicopter,
civil and military deliveries. 1
(c/n: 55-016) to RAF as WW339,
later to XA842. 2 **H-19B** also later
converted.
produced 1951 – 1957

Sikorsky Stratford, Connecticut
civil / mil reg. mixed 55-016 to 55-1223 100 Total: 0100
 - 10 to RCAF as 9620 / 9629.

S-55A

As S-55, engine upgrade.
1 (c/n: 55-1020) to Sikorsky.
3 to SNCASE, France.
produced 1954 – 1959
 Sikorsky Stratford, Connecticut
civil reg. mixed 55-824 to 55-1276 6 Total: 0006

S-55C

As S-55, engine upgrade,
most for military export.
produced 1953 – 1961
 Sikorsky Stratford, Connecticut
civil / mil reg. mixed 55-950 to 55-1281 77 Total: 0077
 - 4 to RCAF as 9597 / 9600.
 - 2 (c/n: 55-1224, 55-1225) to Mitsubishi as
kits with new c/n: M55-001, M55-002.
 - 6 to Mitsubishi as kits.

Total: 1281

Foreign built – England:

Whirlwind WS-55 Series

Military / civil version of the S-55.
Series 1 had US (P&W) piston engine.
Series 2 had British (Alvis) piston engine.
Series 3 had British (Gnome) shaft turbine engine.
Became Westland Helicopters Ltd. in 1961.

produced 1952 – 1965

Westland Aircraft Ltd., Yeovil,
 Somerset, England

(Series 1) Whirlwind HAR.Mk. 1

1952, Royal Navy rescue version.

(RN) XA862 / XA871 *mixed WA001 to WA017 10*

(Series 1) Whirlwind HAR.Mk. 2

1955, RAF rescue version.

22 later to HAR.Mk. 10.

(RAF) XJ429, XJ430 WA045, WA046

(RAF) XJ432 / XJ436 WA048 / WA052

(RAF) XJ725 / XJ730 WA096 / WA101

(RAF) XJ756 / XJ760 WA102 / WA106

(RAF) XJ762 / XJ766 WA108 / WA112

(RAF) XK968 / XK970 WA139 / WA141

(RAF) XK986 / XK991 WA142 / WA147 32

(Series 1) Whirlwind HAR.Mk. 3

1954, Royal Navy rescue version. Qatar

deliveries made in 1968. 3 later to

HAS.Mk. 7, 2 later to HAR.Mk. 10.

(RN) XG572 / XG588 WA067 / WA083

(RN) XJ393 / XJ402 WA057 / WA066 27

(Qatar) QA-1, QA-2 WA612, WA613 2

(Series 1) Whirlwind HAR.Mk. 4

1954, RAF rescue version.
22 later to HAR.Mk. 10.

(RAF) XD163 / XD165	WA020 / WA022	
(RAF) XD182 / XD188	WA025 / WA031	
(RAF) XJ407 / XJ414	<i>mixed</i> WA033 to WA041	
(RAF) XJ426 / XJ428	WA042 / WA044	
(RAF) XJ431, XJ437	WA047, WA053	
(RAF) XJ723, XJ724	WA094, WA095	
(RAF) XJ761	WA107	
(RAF) XL109 / XL113	WA148 / WA152	31

(Series 2) Whirlwind HAR.Mk. 5

1955, Royal Navy rescue version.
Original designation was HAR.Mk. 6.

(RN) XJ445	WA093	1
(Yugoslavia) 11700 / 11711	<i>mixed</i> WA322 to WA339	12

(Series 2) Whirlwind HAS.Mk. 7

1956, Royal Navy ASW version.

(RN) XG589 / XG597	WA084 / WA092	
(RN) XK906 / XK912	WA153 / WA159	
(RN) XK933 / XK945	WA160 / WA172	
(RN) XL833 / XL854	WA195 / WA216	
(RN) XL867 / XL884	WA217 / WA234	
(RN) XL896 / XL900	WA235 / WA239	
(RN) XM660 / XM669	WA251 / WA260	
(RN) XM683 / XM687	WA261 / WA265	
(RN) XN258 / XN264	WA270 / WA276	
(RN) XN297 / XN314	WA277 / WA294	
(RN) XN357 / XN362	WA303 / WA308	
(RN) XN379 / XN387	WA309 / WA317	129
(Yugoslavia) 11900 / 11905	<i>mixed</i> WA326 to WA341	6

(Series 2) Whirlwind HCC.Mk. 8

1959, VIP version for Queen's Flight.

(RAF) XN126, XN127	WA266, WA267	2
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(Series 3) Whirlwind HAR.Mk. 10

1961, RAF rescue version, extended nose.

(RAF) XP299 / XP303	WA342 / WA346	
(RAF) XP327 / XP333	WA347 / WA353	
(RAF) XP338 / XP363	WA354 / WA379	
(RAF) XP392 / XP405	WA380 / WA393	

- XP392 crashed before delivery,
c/n: WA380 reused for XS412.

(RAF) XR453 / XR458	WA403 / WA408	
(RAF) XR477 / XR485	WA409 / WA417	
(RAF) XS412	WA380	68

(Series 3) Whirlwind HCC.Mk. 12

1964, VIP version for Queen's Flight, extended nose.

(RAF) XR486, XR487	WA418, WA419	2
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(Series 3) Whirlwind HAS.Mk. 3B

1965, export version for Brazil, extended nose.

(Brazil) N-3007 / N-3009	WA494 / WA496	
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(Brazil) N-7024, N-7025	WA692, WA693	5	
WS-55 Series 1			
<i>1953, commercial version with US engine.</i>			
<i>civil reg.</i>	<i>mixed WA004 to WA320</i>	36	
WS-55 Series 2			
<i>1956, commercial version with British engine.</i>			
<i>4 to Spain as ZD.1B-19 / -22.</i>			
<i>civil reg.</i>	<i>mixed WA118 to WA329</i>	55	
WS-55 Series 3			
<i>1962, commercial version with turbine engine,</i>			
<i>extended nose. Most as military deliveries to</i>			
<i>Brazil (N-7008 / N-7010), Ghana (G-600 /</i>			
<i>605) and Brunei (AMDB-100, -101, -102).</i>			
<i>15 also converted from HAR.3, Srs. 1, 2.</i>			
<i>civil reg.</i>	<i>mixed WA394 to WA493</i>	13	Total: 0431

Foreign built – France:

S-55

French built version of the S-55.
produced
 Sud-Aviation (SNCASE), Toulouse, France

- - **Total: -**

Foreign built – Japan:

S-55A

Japanese version of the S-55A.
produced
 Mitsubishi Heavy Industries Ltd.,
 Nagoya, Japan

(JMSDF) 8901 / 8910 *mixed M55-011 to M55-044* 10
civil reg. M55-034 1

Total: 0011

S-55C

Japanese version of the S-55C. 2
imported for JASDF as 81-4705
(M55-001), 81-4706 (M55-002).
Designated as the UH-19C.

produced
 Mitsubishi Heavy Industries Ltd.,
 Nagoya, Japan

(JASDF)
 91-4707 / 91-4709 *mixed M55-003 to M55-006*
 01-4710 / 01-4715 *mixed M55-009 to M55-024*
 11-4716 / 11-4721 *mixed M55-030 to M55-040* 15
 (JGSDF)

40018 / 40031 *mixed M55-005 to M55-045* 14
civil reg. *mixed M55-010 to M55-032* 3

Total: 0032

Foreign built – Yugoslavia:

S-55-5

Yugoslav built version of the Whirlwind Series 2.

produced

SOKO, Mostar, Yugoslavia
(Yugoslavia)

11712 / 11732

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21 **Total: 0021**

Total: 0495

H-19 CONVERSIONS

Military Conversions

USAF

SH-19A 1+ H-19A, SAR conversions, winch attachment.

SH-19B 1+ H-19B, SAR conversions, winch attachment.

USAF / US Army / US Navy (1962 redesignations)

UH-19A 1+ 1962, USAF redesignation of the H-19A.

HH-19A 1+ 1962, USAF redesignation of the SH-19A.

UH-19B 1+ 1962, USAF redesignation of the H-19B.

HH-19B 1+ 1962, USAF redesignation of the SH-19B.

UH-19C 1+ 1962, US Army redesignation of the H-19C.

UH-19D 1+ 1962, US Army redesignation of the H-19D.

CH-19E 1+ 1962, US Navy redesignation of the HRS-3.

UH-19F 1+ 1962, US Navy redesignation of the HO4S-3.

HH-19G 1+ 1962, USCG redesignation of the HO4S-3G.

Foreign Conversions

Whirlwind HAR.Mk. 9

20 HAS.Mk. 7, 1965, Royal Navy rescue / training conversions, turbine engine upgrade, extended nose.

Civil Conversions

S-55B 57 5 S-55 / 52 H-19, 1959, improved commercial version with engine and various internal upgrades.

FOREIGN MILITARY / CIVILIAN SERVICE

- *The H-19 served with many military forces worldwide from the 1950's and in some cases up to the 1980's.*
- *Civil market upgrades include the **S-55GW** and turbine powered **S-55T (S-55BT, S-55CT) and S-55QT.***