

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 Nov 1949

Factory production period: 1949 – 1961

Primary service period: 1950 – 1960s

Last official flight: CH-19E 26 Feb 1969

H-19 VARIANTS

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

1951 **Model S-55** H-19A 66

1953 **Model S-55** H-19B 266

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

1953 **Model S-55** H-19D 326 **Total: 0730**

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

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

1951 **Model S-55** HO4S-3G 30 **Total: 0132**

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

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

1953 **Model S-55** HRS-3 91

1956 **Model S-55** HRS-3Z 5 **Total: 0257**

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

1954 **Model S-55A** S-55A 9

1951 **Model S-55B** S-55B 6

1953 **Model S-55C** S-55C 42 **Total: 0157**

Total: 1281

Foreign built – England:

1952 **Model WS-55** Whirlwind Series 458 **Total: 0458**

Foreign built – Japan:

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

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

Total: 0501

Grand Total: 1782

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 transferred as 51-17662 / 51-17666.

produced 1951 – 1952

Sikorsky Stratford, Connecticut (SI)

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

- 7 to USMC as **HRS-3**,

BuNo. 142430 / 142436.

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

51-7139 55-137 51

- 1 to Portugal as 9101.

(Argentina) H-1 55-791 1

(RCAF) 9620 / 9629 *mixed 55-774 to 55-823*

(RCAF) 9597 / 9600 *mixed 55-1165 to 55-1183* 14 **Total: 0066**

H-19B

As H-19A, engine upgrade, tail-boom

angled down, minor changes. 4 HRS-3

transferred as 52-10991 / 52-10994.

produced 1952 – 1955, 1957

Sikorsky Stratford, Connecticut (SI)

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

- 2 to Spain as Z.1-4, -5.

52-7479 / 52-7600 *mixed 55-421 to 55-735*

- 6 to USMC as **HRS-3**,

BuNo. 140958 / 140961,

141029, 141230.

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

53-4878 / 53-4885 *mixed 55-769 to 55-831*

56-6673, 56-6674 55-1047, 55-1048 266 **Total: 0266**

- 2 to France.

- 3 to Spain as Z.1-1 / -3.

7 to Turkey.

H-19C

As H-19A, US Army version.

produced 1952

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. Improvements
designated as the **H-19D-3, -4**.
produced 1953 – 1959

Sikorsky Stratford, Connecticut (SI)

52-7601 / 52-7625	<i>mixed 55-496 to 55-685</i>	
54-1408 / 54-1437	<i>mixed 55-802 to 55-872</i>	
55-3174 / 55-3228	<i>mixed 55-893 to 55-984</i>	
- 2 to Spain as Z.1A-25, -26.		
- 8 to France.		
55-5535 / 55-3540	<i>mixed 55-1021 to 55-1046</i>	
- 6 to France.		
55-4937 / 55-4944	<i>mixed 55-985 to 55-996</i>	
56-1519 / 56-1568	<i>mixed 55-997 to 55-1112</i>	
56-4246 / 56-4283	<i>mixed 55-1094 to 55-1179</i>	
- 2 to Spain as Z.1A-6, -7.		
57-1616 / 57-1641	<i>mixed 55-1163 to 55-1241</i>	
57-5926 / 57-5982	<i>mixed 55-1203 to 55-1275</i>	
59-4973, 59-4974	55-1277, 55-1278	297
(France)		
<i>mixed 55-927 to 55-1074</i>	<i>mixed 55-927 to 55-1074</i>	13
8.000.120 / .124	<i>mixed 55-968 to 55-979</i>	
8.000.183	55-980	6
33F-1 / 33F-10	<i>mixed 55-1084 to 55-1108</i>	10
36 additional airframes cancelled.		

Total: 0326

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

HO4S-3

As H-19B, US Navy version.
2 **H-19D** transferred as BuNo.
150193, 150194.

produced 1953 – 1955

Sikorsky Stratford, Connecticut (S)

BuNo. 133739 / 133753	<i>mixed 55-455 to 55-500</i>	
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- 15 to the RN as **Whirlwind**

HAS.Mk. 22, WV199 / WV205,
WV218 / WV225.

BuNo. 133777 / 133779	55-471 / 55-473	
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- 3 to The Netherlands as 8-2 / 8-4.

BuNo. 138494 / 138529	<i>mixed 55-504 to 55-629</i>	
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BuNo. 138577 / 138601	<i>mixed 55-582 to 55-724</i>	79
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(RCN) 961 / 963	<i>mixed 55-144 to 55-320</i>	
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(RCN) 965 / 968	<i>mixed 55-867 to 55-877</i>	
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(RCN) 250 / 255	<i>mixed 55-878 to 55-892</i>	13	Total: 0092
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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 30 **Total: 0030**

HRS-1

As H-19A, USMC troop transport
version. 5 to USAF as **H-19A**.

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 RN as **Whirlwind**

HAR.Mk. 21, WV189 / WV198.

HRS-3

As H-19B, USMC troop transport
version. 4 to USAF as **H-19B**.

produced 1953 – 1957

Sikorsky Stratford, Connecticut (S)

BuNo. 130206 / 130264 mixed 55-334 to 55-431

- BuNo. 130219 to USCG as

HO4S-3G, no s/n change.

- 4 to France.

BuNo. 137836 / 137845 mixed 55-432 to 55-454

BuNo. 144244 / 144258 mixed 55-919 to 55-1076

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 55-1088

-1 to Spain as Z.1-13.

BuNo. 146439 55-1153 91 **Total: 0091**

-1 to Spain as Z.1-14.

5 (BuNo. 146298 / 146302),

additional airframes cancelled.

HRS-3Z

As HRS-3, VIP version for France.

produced 1956

Sikorsky Stratford, Connecticut (S)

(France) VIP-1 / VIP-5 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. Surplus military
airframes also converted.*

produced 1951 – 1957

Sikorsky Stratford, Connecticut

civil / mil reg. mixed 55-016 to 55-1240 100 Total: 0100
- 1 to RCAF as H-19A, 9619.

S-55A

*As S-55, engine upgrade.
3 to SNCASE, France.*

produced 1954 – 1959

Sikorsky Stratford, Connecticut

civil reg. mixed 55-824 to 55-940 9 Total: 0009

S-55B

As S-55, engine upgrade.

produced

Sikorsky Stratford, Connecticut

civil reg. mixed 55-270 to 55-1005 6 Total: 0006

S-55C

*As S-55, engine upgrade,
most for military export.*

produced 1953 – 1961

Sikorsky Stratford, Connecticut

civil / mil reg. mixed 55-482 to 55-1281 42 Total: 0042
*- 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. Some were
foreign assembled by France and Yugoslavia.*

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.

23 later to HAR.Mk. 10.

(RAF) XJ429, XJ430 WA045, WA046

(RAF) XJ432 / XJ437 WA048 / WA053

(RAF) XJ725 / XJ730	WA096 / WA101	
(RAF) XJ756 / XJ766	WA102 / WA112	
(RAF) XK968 / XK970	WA139 / WA141	
(RAF) XK986 / XK991	WA142 / WA147	34
(Series 1) Whirlwind HAR.Mk. 3		
<i>1954, Royal Navy rescue version. Qatar deliveries made in 1968. 2 later to HAR.Mk. 5, 2 later to HAS.Mk. 7.</i>		
(RN) XG572 / XG588	WA067 / WA083	
(RN) XJ393 / XJ402	WA057 / WA066	27
(Series 1) Whirlwind HAR.Mk. 4		
<i>1954, RAF rescue version. 21 later to HAR.Mk. 10.</i>		
(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, XJ723	WA047, WA094	
(RAF) XJ724	WA095	
(RAF) XL109 / XL113	WA148 / WA152	29
(Series 2) Whirlwind HAR.Mk. 5		
<i>1955, Royal Navy rescue version. Original designation was HAR.Mk. 6.</i>		
(RN) XJ445	WA093	1
(Series 2) Whirlwind HAS.Mk. 7		
<i>1956, Royal Navy ASW version.</i>		
(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
(Series 2) Whirlwind HCC.Mk. 8		
<i>1959, VIP version for Queen's Flight.</i>		
(RAF) XN126, XN127	WA266, WA267	2
(Series 3) Whirlwind HAR.Mk. 10		
<i>1961, RAF rescue version, extended nose.</i>		
(RAF) XP299 / XP303	WA342 / WA346	
(RAF) XP327 / XP333	WA347 / WA353	
(RAF) XP338 / XP363	WA354 / WA379	
(RAF) XP392 / XP405	WA380 / WA393	
<i>- XP392 crashed before delivery, c/n: WA380 re-used for XS412.</i>		
(RAF) XR453 / XR458	WA403 / WA408	
(RAF) XR477 / XR485	WA409 / WA417	
(RAF) XS412	WA380	68

(Series 3) Whirlwind HCC.Mk. 12		
<i>1964, VIP version for Queen's Flight, extended nose.</i>		
(RAF) XR486, XR487	WA418, WA419	2
WS-55 Series 1		
<i>1953, commercial / foreign military version</i>		
<i>with US engine. 5 assembly kits to France.</i>		
<i>civil / mil reg.</i>	<i>mixed WA004 to WA320</i>	37
WS-55 Series 2		
<i>1956, commercial / foreign military version</i>		
<i>with British engine. Brazil deliveries designated</i>		
UH-5. 4 to Spain as ZD.1B-20 / -23.		
<i>civil / mil reg.</i>	<i>mixed WA192 to WA496</i>	28
WS-55 Series 3		
<i>1962, commercial / foreign military version</i>		
<i>with turbine engine, extended nose. Brazil</i>		
<i>deliveries designated UH-5.</i>		
<i>civil / mil reg.</i>	<i>mixed WA397 to WA493</i>	
(Qatar) QA-1, QA-2	WA612, WA613	
(Brazil) N-7024, N-7025	WA692, WA693	15
<i>Foreign assembled – France:</i>		
Sud-Aviation (SNCASE), Toulouse, France		
S-55 (Whirlwind HAR.Mk. 2)		
<i>1952, Westland assembly kits.</i>		
(France)		
<i>mixed 8.000.101 to .221</i>	WA118 / WA125	
	(F-1 / F-8)	
<i>mixed 8.000.084 to .128</i>	WA127 / WA138	
	(F-9 / F20)	
<i>mixed 8.000.139 to .212</i>	WA174 / WA190	
	(F-21 / F-37)	37
<i>Foreign assembled – Yugoslavia:</i>		
SOKO, Mostar, Yugoslavia		
S-55-5 (Whirlwind Mk. 5A)		
<i>1961, Westland assembly kits.</i>		
(Yugoslavia)		
11700 / 11711	<i>mixed WA322 to WA339</i>	12
11712 / 11732	-	21
S-55-7 (Whirlwind Mk. 7B)		
<i>1961, Westland assembly kits.</i>		
(Yugoslavia)		
11900 / 11905	<i>mixed WA326 to WA341</i>	6
		Total: 0458

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).
JGSDF designated as **H-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

Total: 0501

H-19 CONVERSIONS & TRANSFERS

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

14 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. 6 more were factory built.

FOREIGN MILITARY / CIVILIAN SERVICE

- The H-19 served with many military forces worldwide from the 1950s up, in some cases, the 1980s.
- Civil market upgrades include the **Orland Helicopter Airways (OHA) S-55 Bearcat, Heavy Lift, Heli-Camper, Nite-Writer, QS-55 Aggressor, AT-55**

Defender military upgrade and S-55GW.

- ***Turbine powered conversions include the S-55T (S-55BT, S-55CT), S-55QT and the VAT Elite.***