



General Aviation Aircraft Shipment Report

General Aviation Manufacturers Association

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2019 Year End

Aircraft Shipments^{1, 2, 6} by Type Manufactured Worldwide

	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston	214	265	262	370	1,111
Multi-Engine Piston	34	60	42	77	213
Total Piston Airplanes	248	325	304	447	1,324
Single-Engine Turboprops	99	91	95	144	429
Multi-Engine Turboprops	23	18	22	33	96
Total Turboprop Airplanes	122	109	117	177	525
Business Jets	141	192	183	293	809
Total Turbine Airplanes	263	301	300	470	1,334
Grand Total Airplane Shipments	511	626	604	917	2,658
Grand Total Airplane Billings	\$4,300,226,652	\$5,581,032,280	\$4,966,490,257	\$8,665,485,963	\$23,514,723,152
Piston Helicopters	66	49	26	38	179
Turbine Helicopters	104	195	135	264	698
Grand Total Helicopter Shipments	170	244	161	302	877
Grand Total Helicopter Billings	\$534,523,526	\$967,433,694	\$716,536,032	\$1,609,160,620	\$3,827,653,872

Airplane Shipments^{1, 2, 6} by Type Manufactured in United States³

Type	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston	154	194	198	279	825
Multi-Engine Piston	9	12	11	26	58
Total Piston Airplanes	163	206	209	305	883
Single-Engine Turboprops	77	59	62	94	292
Multi-Engine Turboprops	23	16	22	32	93
Total Turboprop Airplanes	100	75	84	126	385
Business Jets	103	120	130	150	503
Total Turbine Airplanes	203	195	214	276	888
Grand Total	366	401	423	581	1,771

Airplane Shipments^{1, 2, 6} by Type Manufactured in Europe³

Type	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston	87	102	85	121	403
Multi-Engine Piston	25	48	31	51	155
Total Piston Airplanes	112	150	116	172	558
Single-Engine Turboprops	20	30	32	49	131
Multi-Engine Turboprops	0	2	0	1	3
Total Turboprop Airplanes	20	32	32	50	134
Business Jets	7	28	12	39	86
Total Turbine Airplanes	27	60	44	89	220
Grand Total	139	210	160	261	778

Airplane Shipments^{1, 2, 6} by Geographic Region of Origin

	QI	QII	QIII	QIV	Year-To-Date
North America	388	434	449	653	1,917
South America	2	3	6	18	29
Europe	115	181	136	235	667
Rest of World	13	14	15	11	53
Grand Total	518	632	606	917	2,666

Airplane Shipments^{1, 2, 6} by Delivery Region

	North America	Europe	Asia Pacific	Latin America	Middle East & Africa
Piston Engine	66.4%	11.2%	12.8%	4.4%	5.1%
Turboprops	50.3%	12.8%	14.6%	16.8%	5.4%
Business Jets	67.1%	14.3%	8.0%	5.9%	4.6%
Total Shipments in Region	63.4%	12.6%	11.6%	7.4%	5.0%

Airplane Shipments^{1,2,6} by Type Manufactured Worldwide

Make and Model	QI	QII	QIII	QIV	YTD
Airbus Corporate Jets^{7,13}					
ACJ318	0	0	0	0	0
ACJ319neo	0	0	1	1	2
ACJ320neo	2	0	0	2	4
ACJ321	0	0	0	0	0
ACJ330	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Units	2	0	1	3	6
Total Billings	\$190,000,000	\$0	\$83,000,000	\$265,000,000	\$538,000,000
Air Tractor⁴					
AT-401B	0	0	0	0	0
AT-402A	1	0	0	3	4
AT-402B	1	5	5	5	16
AT-502A	8	3	6	5	22
AT-502B	2	4	9	12	27
AT-504	0	0	1	0	1
AT-602	1	1	1	7	10
AT-802	2	0	0	1	3
AT-802A	14	5	4	7	30
AT-802AF	5	0	0	0	5
AT-802F	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>
Total Units	34	18	26	41	119
Total Billings	\$20,056,756	\$9,042,356	\$12,484,481	\$21,730,464	\$63,314,057
American Champion Aircraft					
7ECA Citabria Aurora	0	0	0	0	0
7GCAA Citabria Adventure	0	0	0	0	0
7GCBC Citabria Explorer	1	0	0	0	1
8GCBC Scout	1	0	2	3	6
8KCAB Super Decathlon	0	2	1	0	3
8KCAB Xtreme Decathlon	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Units	2	2	3	3	10
Total Billings	\$425,400	\$511,800	\$765,700	\$764,700	\$2,467,600
AVIC General					
Y5B	0	2	0	0	2
LE500	0	0	0	0	0
A2C	4	5	1	0	10
Y12 Series	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Units	4	7	1	0	12
Total Billings	\$290,676	\$1,816,763	\$70,766	\$0	\$2,178,205
Boeing Business Jets⁷					
BBJ	0	0	0	0	0
BBJ MAX 7	0	0	0	0	0
BBJ MAX 8	0	0	0	0	0
BBJ MAX 9	0	0	0	0	0
BBJ 787-9	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>2</u>
Total Units	0	0	1	1	2
Total Billings	\$0	\$0	\$0	\$0	\$0
Bombardier¹³					
Learjet 70 / 75	2	2	5	3	12
Challenger 350 / 650	14	17	17	28	76
Global 5000 / 5500 / 6000 / 6500 / 7500	<u>8</u>	<u>16</u>	<u>9</u>	<u>21</u>	<u>54</u>
Total Units	24	35	31	52	142
Total Billings	\$927,000,000	\$1,504,000,000	\$1,127,000,000	\$2,146,000,000	\$5,704,000,000

Airplane Shipments^{1,2,6} by Type Manufactured Worldwide

Make and Model	QI	QII	QIII	QIV	YTD
Cirrus Aircraft					
SR20	9	23	9	12	53
SR22	23	29	26	53	131
SR22T	34	54	51	61	200
SF50	<u>14</u>	<u>17</u>	<u>21</u>	<u>29</u>	<u>81</u>
Total Units	80	123	107	155	465
Total Billings	\$94,537,335	\$132,956,956	\$132,570,833	\$187,273,767	\$547,338,891
CubCrafters⁶					
CC11-100 Sport Cub S2	0	0	0	0	0
CC11-160 Carbon Cub SS	0	0	2	1	3
CC18-180 Top Cub	4	1	0	0	5
CC19-180 XCub	<u>1</u>	<u>2</u>	<u>4</u>	<u>1</u>	<u>8</u>
Total Units	5	3	6	2	16
Total Billings	\$1,205,645	\$1,059,904	\$1,899,488	\$670,860	\$4,835,897
DAHER^{13, 14}					
Kodiak 100	7	6	2	5	20
TBM 910	7	2	0	2	11
TBM 930	1	0	1	0	2
TBM 940	<u>0</u>	<u>9</u>	<u>10</u>	<u>16</u>	<u>35</u>
Total Units	15	17	13	23	68
Total Billings	\$49,400,894	\$61,898,788	\$52,345,310	\$89,946,081	\$253,591,073
Dassault Aviation^{5, 8}					
2000S / 2000LXS / 900LX / 7X / 8X	/	17	/	23	40
Total Units	/	17	/	23	40
Total Billings	/	\$834,200,000	/	\$1,032,800,000	\$1,867,000,000
Diamond Aircraft^{5, 6}					
DA20 (All)	0	0	0	0	0
DA40 (All)	17	31	31	47	126
DA42 (All)	5	30	13	29	77
DA62	<u>9</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>30</u>
Total Units	31	67	51	84	233
Total Billings	\$21,890,600	\$45,637,800	\$32,496,200	\$54,104,800	\$154,129,400
Discovery Aviation					
XL2	0	0	0	0	0
Total Units	0	0	0	0	0
Total Billings	\$0	\$0	\$0	\$0	\$0
Embraer^{5, 13}					
Phenom 100	2	4	1	4	11
Phenom 300	6	15	14	16	51
Legacy 450	0	1	4	10	15
Legacy 500	2	3	1	5	11
Praetor 500	0	0	0	3	3
Praetor 600	0	1	7	5	13
Legacy 650	1	1	0	3	5
Lineage 1000 / E190 Head of State	0	0	0	0	0
Shuttles (ERJs and E-Jets)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Units	11	25	27	46	109
Total Billings	\$134,430,000	\$286,030,000	\$370,035,000	\$677,065,000	\$1,467,560,000
Extra Aircraft					
EA300	8	6	6	5	25
Total Units	8	6	6	5	25
Total Billings	\$2,760,000	\$2,214,000	\$2,214,000	\$1,845,000	\$9,033,000
Flight Design GmbH⁶					
ASTM CT Series	16	18	15	14	63
Total Units	16	18	15	14	63
Total Billings	\$2,387,433	\$2,677,788	\$2,264,000	\$2,106,000	\$9,435,221
Gulfstream Aerospace Corp.⁵					
Gulfstream 280	7	8	9	9	33
Gulfstream 500 / 600 / 550 / 650 / 650ER	<u>27</u>	<u>23</u>	<u>29</u>	<u>35</u>	<u>114</u>
Total Units	34	31	38	44	147
Total Billings	\$1,863,000,000	\$1,646,500,000	\$2,007,400,000	\$2,334,200,000	\$7,851,100,000

Airplane Shipments^{1,2,6} by Type Manufactured Worldwide

Make and Model	QI	QII	QIII	QIV	YTD
Honda Aircraft Company⁵					
HA-420 HondaJet	7	10	8	11	36
Total Units	7	10	8	11	36
Total Billings	\$34,912,500	\$49,875,000	\$39,900,000	\$54,862,500	\$179,550,000
ICON Aircraft					
A5	14	14	8	5	41
Total Units	14	14	8	5	41
Total Billings	n/a	n/a	n/a	n/a	n/a
Mahindra Aerospace⁵					
Airvan 8	4	2	5	1	12
Total Units	4	2	5	1	12
Total Billings	\$3,834,976	\$1,917,488	\$4,793,720	\$958,744	\$11,504,928
Mooney International Corp.					
M20U Ovation Ultra	0	0	2	0	2
M20V Acclaim Ultra	2	2	2	1	7
Total Units	2	2	4	1	9
Total Billings	\$1,660,800	\$1,686,500	\$3,132,500	\$864,000	\$7,343,800
ONE Aviation Corp.⁵					
Eclipse 550	0	0	0	0	0
Total Units	0	0	0	0	0
Total Billings	\$0	\$0	\$0	\$0	\$0
Pacific Aerospace Ltd.					
PAC 750XL	2	2	1	1	6
Total Units	2	2	1	1	6
Total Billings	\$4,100,000	\$4,100,000	\$2,050,000	\$2,050,000	\$12,300,000
Piaggio Aerospace					
P.180 Avanti Evo	0	2	0	1	3
Total Units	0	2	0	1	3
Total Billings	\$0	\$15,390,000	\$0	\$7,695,000	\$23,085,000
Pilatus					
PC-6	0	0	0	0	0
PC-12	12	19	21	31	83
PC-24	5	11	11	13	40
Total Units	17	30	32	44	123
Total Billings	\$107,650,000	\$199,571,000	\$209,641,000	\$278,883,000	\$795,745,000
Piper Aircraft, Inc.					
PA-28-161 Warrior III	0	0	0	0	0
PA-28-181 Archer III	35	42	39	66	182
PA-28R-201 Arrow	0	0	0	0	0
PA-34-220T Seneca V	0	0	0	3	3
PA-44-180 Seminole	9	8	8	15	40
PA-46-350P M350	7	5	4	5	21
PA-46-500TP M500	7	6	5	2	20
PA-46-600TP M600	0	1	6	17	24
Total Units	58	62	62	108	290
Total Billings	\$46,649,369	\$47,483,512	\$57,865,415	\$107,933,293	\$259,931,589
Pipistrel Aircraft					
Virus SW 121	6	4	1	13	24
Total Units	6	4	1	13	24
Total Billings	n/a	n/a	n/a	n/a	n/a
Sonaca Aircraft					
Sonaca 200	n/a	n/a	n/a	n/a	8
Total Units	n/a	n/a	n/a	n/a	8
Total Billings	n/a	n/a	n/a	n/a	\$1,488,000

Airplane Shipments^{1,2,6} by Type Manufactured Worldwide

Make and Model	QI	QII	QIII	QIV	YTD
TECNAM Aircraft^{6,13}					
ASTM - LSA	15	17	11	17	60
P2002JF	8	5	4	4	21
P92JS	1	1	1	0	3
P2002JR	0	0	0	0	0
P2008JC	8	11	7	13	39
P2006T	11	10	9	10	40
P2010P Twenty Ten	8	9	9	8	34
P2012 Traveller	<u>0</u>	<u>2</u>	<u>2</u>	<u>4</u>	<u>8</u>
Total Units	51	55	43	56	205
Total Billings	\$14,677,356	\$21,085,000	\$16,715,644	\$20,322,000	\$72,800,000
Textron Aviation^{4,5,13}					
CE-172S Skyhawk SP	28	24	28	46	126
CE-182T Skylane	5	1	14	13	33
CE-T206H Turbo Stationair	2	6	13	16	37
Bonanza G36	1	2	2	2	7
Baron G58	0	4	3	8	15
CE-208 Caravan 675	3	4	3	2	12
CE-208B Grand Caravan EX	18	14	14	25	71
King Air C90GTx	3	5	3	2	13
King Air 250	11	7	4	9	31
King Air 350i / ER	9	4	15	21	49
CE-525 Citation M2	8	8	5	13	34
CE-525B Citation CJ3+	8	9	10	10	37
CE-525C Citation CJ4	6	10	7	10	33
CE-560 Citation XLS+	5	4	6	7	22
CE-680 Citation Sovereign+	2	2	2	2	8
CE-680A Citation Latitude	14	13	15	16	58
CE-700 Citation Longitude	0	0	0	13	13
CE-750 Citation X+	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>
Total Units	124	117	144	215	600
Total Billings (Combined)	\$771,617,515	\$701,173,340	\$801,554,525	\$1,376,501,535	\$3,650,846,915
Thrush Aircraft, Inc.¹⁵					
S2R-T34	6	6	3	1	16
S2RHG-T65	0	0	0	0	0
S2R-T660	0	2	2	0	4
S2R-G10	0	0	0	0	0
S2R-H80	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>6</u>
Total Units	8	10	6	2	26
Total Billings	\$7,189,397	\$9,645,286	\$6,012,675	\$1,909,219	\$24,756,577
WACO Aircraft Company					
2T-1A-2	0	0	1	0	1
YMF-5D	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>2</u>
Total Units	1	1	1	0	3
Total Billings	\$550,000	\$559,000	\$279,000	\$0	\$1,388,000

Rotorcraft Shipments^{1,2} by Type Manufactured Worldwide

Make and Model	QI	QII	QIII	QIV	YTD
Airbus Helicopters ^{5, 9, 10}					
H120	0	0	0	0	0
AS350 B2	0	0	0	0	0
H125 / H125M / H130	23	57	25	54	159
AS355 NP / ASS555AP	0	0	0	0	0
H135 / H135M	5	8	4	12	29
H145 / H145M	13	21	21	29	84
AS365 N3+ / AS565 Mbe	0	0	0	0	0
H155	1	1	3	0	5
H175	1	1	1	1	4
H215 / H215M / H225 / H225M	0	2	1	12	15
TIGER	1	0	2	1	4
Total Units	44	90	57	109	300
Total Billings	\$200,500,000	\$393,100,000	\$293,300,000	\$608,800,000	\$1,495,700,000
Bell ⁵					
505	18	30	17	36	101
206L-4	0	2	0	0	2
407	0	0	0	0	0
407GX	0	1	0	0	1
407GX _i	6	13	15	23	57
407GXP	1	0	0	0	1
429	2	6	9	10	27
429WLG	0	0	0	1	1
412EP	0	0	0	0	0
412EPI	3	1	1	6	11
Huey II	0	0	0	0	0
Total Units	30	53	42	76	201
Total Billings	\$105,400,000	\$161,400,000	\$175,000,000	\$295,200,000	\$737,000,000
Enstrom Helicopter Corp. ^{4, 5}					
F28F	0	0	0	0	0
280FX	6	5	0	0	11
480B-G	0	0	1	4	5
Total Units	6	5	1	4	16
Total Billings	\$3,748,000	\$3,090,000	\$1,443,889	\$5,775,556	\$14,057,445
Hélicoptères Guimbal					
Cabri G2	6	6	5	9	26
Total Units	6	6	5	9	26
Total Billings	\$1,980,526	\$2,297,694	\$1,919,143	\$3,315,064	\$9,512,427
Leonardo Helicopters ^{5, 9, 10, 11, 12}					
AW119Kx	0	0	2	6	8
AW109 Power	2	0	0	4	6
AW109 Trekker	0	0	5	0	5
AW109 GrandNew	1	5	4	5	15
AW139	10	16	10	33	69
AW169	6	9	5	10	30
AW189 / AW149	0	4	0	0	4
AW159	0	2	0	0	2
SUPER LYNX	0	0	0	0	0
AW101	0	2	1	3	6
CH47F	0	0	0	0	0
SW4	0	0	0	0	0
W3	0	0	0	0	0
Total Units	19	38	27	61	145
Total Billings	\$189,300,000	\$374,300,000	\$226,300,000	\$558,400,000	\$1,348,300,000

Rotorcraft Shipments^{1,2} by Type Manufactured Worldwide

Make and Model	QI	QII	QIII	QIV	YTD
Robinson Helicopter Company⁵					
R22 Beta II	9	4	5	1	19
R44 Cadet	7	0	3	2	12
R44 Raven I	10	8	3	8	29
R44 Raven II	28	26	10	18	82
R66	<u>12</u>	<u>18</u>	<u>11</u>	<u>13</u>	<u>54</u>
Total Units	66	56	32	42	196
Total Billings	\$33,595,000	\$33,246,000	\$18,573,000	\$24,670,000	\$110,084,000
Sikorsky Aircraft Corporation^{4,5}					
S-76	0	0	0	1	1
S-92	<u>0</u>	<u>0</u>	<u>0</u>	<u>4</u>	<u>4</u>
Total Units	0	0	0	5	5
Total Billings	\$0	\$0	\$0	\$113,000,000	\$113,000,000

Grand Total Civil Aircraft Shipments⁶	731	928	805	1,260	3,732
Grand Total Aircraft Billings	\$4,834,750,178	\$6,548,465,974	\$5,683,026,289	\$10,274,646,583	\$27,342,377,024

Other Military and Government Aircraft Shipments⁴

Make and Model	QI	QII	QIII	QIV	YTD
Air Tractor					
AT-802U	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Units	0	0	0	0	0
Bell					
H-1	5	6	7	8	26
V22	<u>3</u>	<u>0</u>	<u>7</u>	<u>5</u>	<u>15</u>
Total Units	8	6	14	13	41
NHIndustries¹⁰					
NH90	<u>2</u>	<u>7</u>	<u>9</u>	<u>14</u>	<u>32</u>
Total Units	2	7	9	14	32
Sikorsky Aircraft Corporation					
Blackhawk	16	27	22	29	94
Seahawk	0	0	0	0	0
CH-53K	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Units	16	27	22	29	94
Textron Aviation					
<u>Beechcraft Corporation</u>					
T-6 A/B/C	<u>2</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>4</u>
Total Units	2	0	2	0	4

Footnotes:

1. A shipment occurs when an aircraft is shipped from its production facility to a customer located anywhere in the world.
2. Shipments may include an aircraft delivery to a fractional operator owned by the company or to an aircraft dealer.
3. Aircraft are considered manufactured in the U.S. when produced under an FAA production approval and in Europe when produced under an EASA production approval.
4. Other military and government aircraft shipments are not included in main shipment table totals, but listed separately.
5. Company billings are not reported. GAMA estimates total billings using public information including BCA Purchase Planning Handbook 2019.
6. AVIC General A2C, CubCrafters CC11, Flight Design GmbH ASTM CT Series, Sonaca 200, and TECNAM ASTM - LSA models are included in civil make-model shipment total, but not summary tables. GAMA will further integrate CS-VLA and S-LSA aircraft into future shipment reports.
7. Airbus and Boeing twin aisle shipments are identified in the report, but their values are not included in the calculation of billings.
8. Dassault reports combined civil airplane deliveries twice a year in accordance with company financial reporting procedures.
9. Airbus Helicopters and Leonardo Helicopters report combined civil/commercial and military/government unit deliveries. Billings are estimated for civil/commercial models only.
10. NHIndustries is wholly owned by Airbus Helicopters, Leonardo, and Fokker Aerostructures and provides the focal point for these companies for the NH90 programme. The deliveries of the NH90 are identified under the NHIndustries entry only.
11. Leonardo Helicopters also delivered 2 NH90 and 2 T129 kits in Q1; 4 NH90 and 2 T129 kits in Q2; 6 NH90 and 5 T129 kits in Q3; and 9 NH90 and 3 T129 kits in Q4.
12. Leonardo Helicopters 2019 fourth quarter data was added to the report following its original publication.
13. The Airbus ACJ319neo, ACJ320neo, Bombardier Global 5500, Global 6500, Daher TBM 940, Embraer Praetor 500 and 600, Gulfstream G600, TECNAM P2012, and Textron Aviation CE-700 Longitude models entered into service in 2019.
14. Daher acquired Quest Aircraft on October 1, 2019. The Kodiak 100 deliveries are listed as part of Daher starting with the third quarter report.
15. Thrush Aircraft shipments identified in the 2019 report were delivered by Thrush Aircraft, Inc. The company changed ownership in November 2019. Future deliveries will be identified under Thrush Aircraft, LLC.