



General Aviation Aircraft Shipment Report

General Aviation Manufacturers Association

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2018 Year-End Report

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

	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston	162	255	235	302	954
Multi-Engine Piston	38	43	50	54	185
Total Piston Airplanes	200	298	285	356	1,139
Single-Engine Turboprops	95	125	113	161	494
Multi-Engine Turboprops	20	23	19	36	107
Total Turboprop Airplanes	115	148	132	197	601
Business Jets	132	164	151	256	703
Total Turbine Airplanes	247	312	283	453	1,304
Grand Total Airplane Shipments	447	610	568	809	2,443
Grand Total Airplane Billings	\$3,832,535,892	\$4,752,666,129	\$4,215,953,455	\$7,704,519,903	\$20,564,175,378
Piston Helicopters	77	72	71	61	281
Turbine Helicopters	138	207	165	185	695
Grand Total Helicopter Shipments	215	279	236	246	976
Grand Total Helicopter Billings	\$675,717,741	\$984,011,850	\$966,219,115	\$1,031,228,976	\$3,657,177,682

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

Type	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston	126	197	198	250	771
Multi-Engine Piston	6	17	13	22	58
Total Piston Airplanes	132	214	211	272	829
Single-Engine Turboprops	73	88	78	111	350
Multi-Engine Turboprops	17	23	19	35	94
Total Turboprop Airplanes	90	111	97	146	444
Business Jets	93	103	108	169	473
Total Turbine Airplanes	183	214	205	315	917
Grand Total	315	428	416	587	1,746

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

Type	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston	61	78	62	75	276
Multi-Engine Piston	32	26	37	32	127
Total Piston Airplanes	93	104	99	107	403
Single-Engine Turboprops	20	34	32	47	133
Multi-Engine Turboprops	3	0	0	1	4
Total Turboprop Airplanes	23	34	32	48	137
Business Jets	2	16	7	35	60
Total Turbine Airplanes	25	50	39	83	197
Grand Total	118	154	138	190	600

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

	QI	QII	QIII	QIV	Year-To-Date
North America	343	460	443	625	1,871
South America	2	5	3	6	16
Europe	92	130	109	163	494
Rest of World	10	15	13	15	53
Grand Total	447	610	568	809	2,434

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

	North America	Europe	Asia Pacific	Latin America	Middle East & Africa
Piston Engine	61.5%	10.8%	18.5%	5.0%	4.1%
Turboprops	49.8%	12.9%	15.1%	14.9%	7.2%
Business Jets	65.1%	15.4%	10.0%	5.8%	3.7%
Total Shipments in Region	59.7%	12.7%	15.0%	7.8%	4.8%

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

Make and Model	QI	QII	QIII	QIV	YTD
Airbus Corporate Jets⁷					
ACJ318	0	0	0	0	0
ACJ319	0	0	0	0	0
ACJ320	0	0	1	0	1
ACJ321	0	0	0	0	0
ACJ330	0	0	0	0	0
Total Units	0	0	1	0	1
Total Billings⁷	\$0	\$0	\$91,000,000	\$0	\$91,000,000
Air Tractor⁴					
AT-401B	0	0	0	0	0
AT-402A	2	1	2	3	8
AT-402B	5	6	4	10	25
AT-502A	8	5	4	8	25
AT-502B	6	3	8	12	29
AT-504	0	0	0	1	1
AT-602	2	4	0	2	8
AT-802	1	1	0	1	3
AT-802A	8	9	5	12	34
AT-802AF	3	2	0	0	5
AT-802F	0	2	0	1	3
Total Units	35	33	23	50	141
Total Billings	\$17,833,870	\$17,703,661	\$10,957,344	\$24,404,986	\$70,899,861
American Champion Aircraft					
7EC Champ	0	0	0	0	0
7ECA Citabria Aurora	0	0	1	1	2
7GCAA Citabria Adventure	1	0	0	1	2
7GCBC Citabria Explorer	0	0	1	0	1
8GCBC Scout	2	0	2	1	5
8KCAB Super Decathlon	0	2	1	0	3
8KCAB Xtreme Decathlon	0	0	0	0	0
Total Units	3	2	5	3	13
Total Billings	\$662,300	\$501,800	\$1,098,800	\$563,300	\$2,826,200
AVIC General					
Y5B	0	2	1	1	4
LE500	0	0	2	0	2
A2C	0	2	2	6	10
Y12 Series	0	0	0	0	0
Total Units	0	4	5	7	16
Total Billings	\$0	\$1,614,350	\$2,167,630	\$1,179,865	\$4,961,845
Boeing Business Jets⁷					
BBJ	2	0	0	0	2
BBJ MAX 7	0	0	0	0	0
BBJ MAX 8	0	0	1	1	2
BBJ MAX 9	0	0	0	0	0
B737-800	0	0	0	0	0
B777-300ER	2	0	0	0	2
B787-8	0	0	0	0	0
B787-9	0	0	0	0	0
B747-8	0	0	0	0	0
Total Units	4	0	1	1	6
Total Billings⁷	\$120,000,000	\$0	\$80,000,000	\$80,000,000	\$280,000,000
Bombardier					
Learjet 70 / 75	3	2	4	3	12
Challenger 350	12	14	14	20	60
Challenger 650	6	6	6	5	23
Global 5000 / 6000	10	12	7	12	41
Global 7500	0	0	0	1	1
CL850 / 870 / 890	0	0	0	0	0
Total Units	31	34	31	41	137
Total Billings	\$1,179,000,000	\$1,331,000,000	\$1,035,200,000	\$1,521,700,000	\$5,066,900,000

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

Make and Model	QI	QII	QIII	QIV	YTD
Cirrus Aircraft					
SR20	20	26	9	10	65
SR22	21	29	41	44	135
SR22T	33	43	40	64	180
SF50	<u>10</u>	<u>15</u>	<u>16</u>	<u>22</u>	<u>63</u>
Total Units	84	113	106	140	443
Total Billings	\$77,729,677	\$106,281,903	\$104,833,515	\$148,506,686	\$437,351,781
CubCrafters⁶					
CC11-100 Sport Cub S2	0	0	0	0	0
CC11-160 Carbon Cub SS	1	0	0	2	3
CC18-180 Top Cub	0	1	3	3	7
CC19-180 XCub	<u>2</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>9</u>
Total Units	3	2	8	6	19
Total Billings	\$914,310	\$634,116	\$1,599,939	\$1,614,345	\$4,762,710
DAHER					
SOCATA TBM 910	6	7	8	8	29
SOCATA TBM 930	<u>2</u>	<u>7</u>	<u>3</u>	<u>9</u>	<u>21</u>
Total Units	8	14	11	17	50
Total Billings	\$32,450,000	\$57,660,000	\$44,690,000	\$70,250,000	\$205,050,000
Dassault Aviation^{5,8}					
2000S / 2000LXS / 900LX / 7X / 8X	/	15	/	26	41
Total Units		15		26	41
Total Billings		\$575,000,000		\$1,400,000,000	\$1,975,000,000
Diamond Aircraft^{5,6}					
HK-36	0	0	0	0	0
DA20 (All)	0	2	1	0	3
DA40 (All)	11	12	8	14	45
DA42 (All)	17	5	14	14	50
DA62	<u>3</u>	<u>8</u>	<u>15</u>	<u>10</u>	<u>36</u>
Total Units	31	27	38	38	134
Total Billings	\$21,044,400	\$18,362,200	\$30,603,400	\$27,734,400	\$97,744,400
Discovery Aviation					
XL2	0	0	0	0	0
Total Units	0	0	0	0	0
Total Billings	\$0	\$0	\$0	\$0	\$0
Embraer⁵					
Phenom 100	3	3	2	3	11
Phenom 300	5	12	15	21	53
Legacy 450	2	4	3	5	14
Legacy 500	1	0	2	6	9
Legacy 600 / 650	0	1	2	1	4
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	20	24	36	91
Total Billings	\$113,870,000	\$221,915,000	\$297,940,000	\$443,505,000	\$1,077,230,000
Extra Aircraft					
EA300	6	6	5	7	24
Total Units	6	6	5	7	24
Total Billings	\$2,214,000	\$2,214,000	\$1,845,000	\$2,583,000	\$8,856,000
Flight Design GmbH⁶					
ASTM CT Series	8	10	11	14	43
Total Units	8	10	11	14	43
Total Billings	\$1,146,000	\$1,402,500	\$1,608,300	\$2,091,208	\$6,248,008
Gulfstream Aerospace Corp.⁵					
Gulfstream 280	7	8	6	8	29
Gulfstream 450 / 500 / 550 / 650 / 650ER	<u>19</u>	<u>18</u>	<u>21</u>	<u>34</u>	<u>92</u>
Total Units	26	26	27	42	121
Total Billings	\$1,437,400,000	\$1,376,450,000	\$1,543,600,000	\$2,425,300,000	\$6,782,750,000

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

Make and Model	QI	QII	QIII	QIV	YTD
Honda Aircraft Company⁵					
HA-420 HondaJet	<u>12</u>	<u>5</u>	<u>4</u>	<u>16</u>	<u>37</u>
Total Units	12	5	4	16	37
Total Billings	\$58,800,000	\$24,500,000	\$19,950,000	\$79,800,000	\$183,050,000
ICON Aircraft					
A5	<u>4</u>	<u>1</u>	<u>12</u>	<u>27</u>	<u>44</u>
Total Units	4	1	12	27	44
Total Billings	n/a	n/a	n/a	n/a	n/a
Mahindra Aerospace⁵					
Airvan 8	<u>1</u>	<u>2</u>	<u>1</u>	<u>3</u>	<u>7</u>
Total Units	1	2	1	3	7
Total Billings	\$958,854	\$1,917,708	\$958,854	\$2,876,562	\$6,711,978
Mooney International Corp.					
M20U Ovation Ultra	1	2	2	2	7
M20V Acclaim Ultra	<u>3</u>	<u>0</u>	<u>1</u>	<u>3</u>	<u>7</u>
Total Units	4	2	3	5	14
Total Billings	\$3,069,200	\$1,453,400	\$2,208,800	\$3,952,900	\$10,684,300
ONE Aviation Corp.⁵					
Eclipse 550	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Units	0	0	0	0	0
Total Billings	\$0	\$0	\$0	\$0	\$0
Pacific Aerospace Ltd.					
PAC 750XL	<u>2</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>11</u>
Total Units	2	3	3	3	11
Total Billings	\$4,100,000	\$6,150,000	\$6,150,000	\$6,150,000	\$22,550,000
Piaggio Aerospace					
P.180 Avanti Evo	<u>3</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>4</u>
Total Units	3	0	0	1	4
Total Billings	\$23,800,000	\$0	\$0	\$7,900,000	\$31,700,000
Pilatus¹³					
PC-6	0	1	1	1	3
PC-12	12	19	20	29	80
PC-24	<u>2</u>	<u>1</u>	<u>6</u>	<u>9</u>	<u>18</u>
Total Units	14	21	27	39	101
Total Billings	\$78,808,000	\$106,366,000	\$158,589,000	\$231,864,000	\$575,627,000
Piper Aircraft, Inc.					
PA-28-161 Warrior III	0	0	0	0	0
PA-28-181 Archer III	16	22	34	35	107
PA-28R-201 Arrow	1	2	2	2	7
PA-34-220T Seneca V	0	0	0	2	2
PA-44-180 Seminole	5	10	9	13	37
PA-46-350P M350	2	6	5	7	20
PA-46-500TP M500	3	5	6	4	18
PA-46-600TP M600	<u>7</u>	<u>8</u>	<u>9</u>	<u>14</u>	<u>38</u>
Total Units	34	53	65	77	229
Total Billings	\$41,379,227	\$62,355,257	\$69,578,185	\$89,303,943	\$262,616,612
Pipistrel Aircraft					
Virus SW 121	<u>3</u>	<u>4</u>	<u>4</u>	<u>11</u>	<u>22</u>
Total Units	3	4	4	11	22
Total Billings	n/a	n/a	n/a	n/a	n/a
Quest Aircraft Company					
Kodiak 100	<u>7</u>	<u>7</u>	<u>6</u>	<u>3</u>	<u>23</u>
Total Units	7	7	6	3	23
Total Billings	\$15,626,905	\$16,363,923	\$15,080,355	\$7,667,888	\$54,739,071

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

Make and Model	QI	QII	QIII	QIV	YTD
TECNAM Aircraft⁶					
ASTM - LSA	18	14	18	13	63
P2002JF	3	6	4	5	18
P92JS	3	0	0	0	3
P2002JR	0	0	0	0	0
P2008JC	3	18	8	6	35
P2006T	12	13	8	8	41
P2010P Twenty Ten	6	6	3	5	20
Total Units	45	57	41	37	180
Total Billings	\$12,804,411	\$15,556,542	\$10,153,732	\$12,513,315	\$51,028,000
Textron Aviation^{4,5}					
<i>Beechcraft Corporation</i>					
Bonanza G36	1	2	5	7	15
Baron G58	1	7	4	7	19
King Air C90GTx	1	2	5	4	12
King Air 250	6	6	4	14	30
King Air 350i / ER	10	15	10	17	52
Total Units	19	32	28	49	128
Total Billings (Beechcraft - Total)	\$122,517,000	\$175,188,000	\$132,857,000	\$253,178,400	
<i>Cessna Aircraft Company</i>					
CE-172S Skyhawk SP	13	41	30	45	129
CE-182T Skylane	1	10	9	11	31
CE-T206H Turbo Stationair	6	8	6	12	32
CE-240 TTx	1	0	0	0	1
CE-208 Caravan 675	2	4	3	4	13
CE-208B Grand Caravan EX	10	20	21	28	79
CE-525 Citation M2	6	10	6	12	34
CE-525B Citation CJ3+	7	10	9	11	37
CE-525C Citation CJ4	6	7	8	8	29
CE-560 Citation XLS+	4	4	4	9	21
CE-680 Citation Sovereign+	0	5	1	0	6
CE-680A Citation Latitude	12	12	13	20	57
CE-750 Citation X+	1	0	0	3	4
Total Units	69	131	110	163	473
Total Billings (Cessna - Total)	\$456,667,000	\$620,754,000	\$542,595,000	\$851,980,000	
Total Billings (Combined)	\$579,184,000	\$795,942,000	\$675,452,000	\$1,105,158,400	\$3,155,736,400
Thrush Aircraft, Inc.					
S2R-T34	4	3	4	5	16
S2RHG-T65	0	0	1	0	1
S2R-T660	1	2	3	0	6
S2R-G10	0	0	0	0	0
S2R-H80	4	6	2	3	15
Total Units	9	11	10	8	38
Total Billings	\$8,525,738	\$10,427,992	\$10,061,601	\$7,350,105	\$36,365,436
Viking Air Ltd.^{5,14}					
DHC-6 Series 400 Twin Otter	n/a	n/a	n/a	n/a	9
Total Units	n/a	n/a	n/a	n/a	9
Total Billings	n/a	n/a	n/a	n/a	\$58,500,000
WACO Aircraft Company					
2T-1A-2	0	1	0	0	1
YMF-5D	2	1	1	1	5
Total Units	2	2	1	1	6
Total Billings	\$1,215,000	\$893,777	\$627,000	\$550,000	\$3,285,777

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	24	46	16	50	136
H130	1	4	9	9	23
AS355 NP / ASS555AP	0	0	0	0	0
H135 / H135M	9	11	9	14	43
H145 / H145M	11	17	25	26	79
AS365 N3+ / AS565 Mbe	0	2	0	0	2
H155	0	0	0	2	2
H175	0	1	6	4	11
H215 / H215M	0	0	0	7	7
H225 / H225M	1	0	3	7	11
TIGER	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>9</u>
Total Units	49	83	70	121	323
Total Billings	\$207,700,000	\$341,200,000	\$432,300,000	\$746,100,000	\$1,727,300,000
Bell ⁵					
505	25	34	32	25	116
206L-4	0	1	0	1	2
407	1	0	0	0	1
407GXi	0	0	0	3	3
407GXP	17	16	2	4	39
429	3	5	6	5	19
429WLG	0	0	0	1	1
412EP	0	1	0	1	2
412EPI	0	0	3	6	9
Huey II	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Units	46	57	43	46	192
Total Billings	\$124,000,000	\$151,000,000	\$145,000,000	\$180,000,000	\$600,000,000
Enstrom Helicopter Corp. ^{4, 5}					
F28F	0	0	0	0	0
280FX	0	4	5	5	14
480B-G	<u>1</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>8</u>
Total Units	1	6	7	8	22
Total Billings	\$1,400,000	\$6,024,540	\$6,924,040	\$6,645,000	\$20,993,580
Hélicoptères Guimbal					
Cabri G2	<u>7</u>	<u>5</u>	<u>8</u>	<u>5</u>	<u>25</u>
Total Units	7	5	8	5	25
Total Billings	\$2,954,741	\$1,805,310	\$3,158,075	\$1,536,976	\$9,455,102
Leonardo Helicopters ^{5, 9, 10, 11, 12}					
AW119Kx	4	5	2		11
AW109 Power	0	0	0		0
AW109 Trekker	1	4	5		10
AW109 GrandNew	3	4	2		9
AW139	11	17	16		44
AW169	3	11	4		18
AW149	2	0	1		3
AW189	4	4	2		10
AW159	0	0	0		0
SUPER LYNX	0	0	0		0
T129	0	0	0		0
AW101	1	0	1		2
CH47F	0	1	0		1
SW4	0	0	0		0
W3	<u>0</u>	<u>0</u>	<u>0</u>		<u>0</u>
Total Units	29	46	33	0	108
Total Billings	\$269,700,000	\$438,100,000	\$311,300,000	\$0	\$1,019,100,000

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

Make and Model	QI	QII	QIII	QIV	YTD
Robinson Helicopter Company⁵					
R22 Beta II	14	10	6	3	33
R44 Cadet	1	2	5	10	18
R44 Raven I	20	19	13	11	63
R44 Raven II	35	32	34	27	128
R66	<u>18</u>	<u>22</u>	<u>20</u>	<u>14</u>	<u>74</u>
Total Units	88	85	78	65	316
Total Billings	\$44,963,000	\$45,882,000	\$42,537,000	\$33,947,000	\$167,329,000
Sikorsky Aircraft Corporation^{4,5}					
S-76	0	0	0	1	1
S-92	<u>1</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>4</u>
Total Units	1	0	1	3	5
Total Billings	\$25,000,000	\$0	\$25,000,000	\$63,000,000	\$113,000,000
Grand Total Civil Aircraft Shipments⁶	699	919	851	1,119	3,597
Grand Total Aircraft Billings	\$4,508,253,633	\$5,736,677,979	\$5,182,172,570	\$8,735,748,879	\$24,221,353,060

Other Military and Government Aircraft Shipments⁴

Make and Model	QI	QII	QIII	QIV	Year-To-Date
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	6	11	9	8	34
V22	<u>3</u>	<u>6</u>	<u>5</u>	<u>5</u>	<u>19</u>
Total Units	9	17	14	13	53
NHIndustries¹⁰					
NH90	<u>5</u>	<u>6</u>	<u>8</u>	<u>17</u>	<u>36</u>
Total Units	5	6	8	17	36
Sikorsky Aircraft Corporation					
Blackhawk	16	24	30	37	107
Seahawk	2	4	2	2	10
CH-53K	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>
Total Units	18	29	32	39	118
Textron Aviation					
<i>Beechcraft Corporation</i>					
T-6 A/B/C	<u>2</u>	<u>7</u>	<u>5</u>	<u>5</u>	<u>19</u>
Total Units	2	7	5	5	19

Foot Notes:

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 2018.
6. AVIC General A2C, CubCrafters CC11, Diamond Aircraft HK36 Motor Glider, Flight Design GmbH ASTM CT Series, 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 two T129 kits in Q1, six T129 kits and one AW139 kit in Q2, and three T129 kits in Q3.
12. Leonardo Helicopters fourth quarter data is not available at the time of publication. Leonardo Helicopters will release year-end results in mid-March 2019. GAMA will update the online 2018 report then. GAMA excluded 2017 fourth quarter data for Leonardo in the comparison table.
13. Two additional PC-24 have been shipped to a completion center for extended modification.
14. Viking Air Ltd. Is a new addition to the shipment report in 2018.