



General Aviation Aircraft Shipment Report

General Aviation Manufacturers Association

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2016 Year End

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

	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston	167	210	224	289	890
Multi-Engine Piston	24	42	29	34	129
Total Piston Airplanes	191	252	253	323	1,019
Single-Engine Turboprops	82	102	116	167	467
Multi-Engine Turboprops	27	23	32	33	115
Total Turboprop Airplanes	109	125	148	200	582
Business Jets	122	170	136	233	661
Total Turbine Airplanes	231	295	284	433	1,243
Grand Total Airplane Shipments	422	547	537	756	2,262
Grand Total Airplane Billings	\$3,988,684,378	\$5,376,444,349	\$4,158,090,424	\$7,180,597,992	\$20,718,607,142
Piston Helicopters	60	56	52	56	224
Turbine Helicopters	116	166	164	247	693
Grand Total Helicopter Shipments	176	222	216	303	917
Grand Total Helicopter Billings	\$643,769,700	\$871,780,589	\$944,206,943	\$1,626,471,908	\$4,086,229,140

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

Type	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston	120	161	179	225	685
Multi-Engine Piston	6	9	4	14	33
Total Piston Airplanes	126	170	183	239	718
Single-Engine Turboprops	57	65	78	105	305
Multi-Engine Turboprops	26	23	29	28	106
Total Turboprop Airplanes	83	88	107	133	411
Business Jets	70	97	93	136	396
Total Turbine Airplanes	153	185	200	269	807
Grand Total	279	355	383	508	1,525

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

Type	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston	78	64	65	70	277
Multi-Engine Piston	18	33	25	20	96
Total Piston Airplanes	96	97	90	90	373
Single-Engine Turboprops	24	35	34	61	154
Multi-Engine Turboprops	1	0	0	2	3
Total Turboprop Airplanes	25	35	34	63	157
Business Jets	0	15	0	35	50
Total Turbine Airplanes	25	50	34	98	207
Grand Total	121	147	124	188	580

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

	QI	QII	QIII	QIV	Year-To-Date
North America	309	392	412	551	1,664
South America	13	14	8	13	48
Europe	88	129	103	164	484
Rest of World	12	12	14	28	66
Grand Total	422	547	537	756	2,262

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

	North America	Europe	Asia Pacific	Latin America	Middle East & Africa
Piston Engine	69.6%	10.1%	10.2%	5.8%	4.3%
Turboprops	57.8%	10.6%	13.2%	9.9%	8.4%
Business Jets	62.0%	18.8%	7.7%	6.2%	5.3%
Total Shipments in Region	64.0%	12.9%	10.3%	7.0%	5.7%

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	0	0	0
ACJ321	0	0	0	0	0
ACJ330	0	0	0	1	1
Total Units	0	0	0	1	1
Total Billings⁷	\$0	\$0	\$0	\$0	\$0
Air Tractor⁴					
AT-401B	0	0	0	0	0
AT-402A	0	0	3	1	4
AT-402B	1	2	5	2	10
AT-502A	1	6	0	1	8
AT-502B	2	1	7	12	22
AT-504	0	0	1	0	1
AT-602	7	3	1	5	16
AT-802	2	1	1	1	5
AT-802A	14	3	6	17	40
AT802AF	0	3	0	0	3
AT-802F	1	1	0	1	3
Total Units	28	20	24	40	112
Total Billings	\$16,093,245	\$11,156,977	\$10,957,724	\$21,215,720	\$59,423,666
American Champion Aircraft					
7EC Champ	1	0	1	0	2
7ECA Citabria Aurora	0	0	0	0	0
7GCAA Citabria Adventurer	0	0	0	0	0
7GCBC Citabria Explorer	0	0	0	1	1
8GCBC Scout	2	2	4	2	10
8KCAB Super Decathlon	2	2	1	1	6
8KCAB Xtreme Decathlon	0	0	0	0	0
Total Units	5	4	6	4	19
Total Billings	\$1,115,500	\$982,600	\$1,381,400	\$953,600	\$4,433,100
AVIC General					
Y5B	0	0	0	4	4
LE500	0	0	0	11	11
A2C	0	0	9	2	11
Y12 Series	0	0	3	3	6
Total Units	0	0	12	20	32
Total Billings	\$0	\$0	\$14,928,557	\$22,314,271	\$37,242,829
Boeing Business Jets⁷					
BBJ	1	0	0	0	1
BBJ 2	0	0	0	0	0
BBJ 3	0	0	0	0	0
B737-800	0	0	0	2	2
B777-300ER	0	0	1	0	1
B787-8	0	0	0	0	0
B787-9	0	0	0	0	0
Total Units	1	0	1	2	4
Total Billings⁷	\$60,000,000	\$0	\$0	\$192,000,000	\$252,000,000
Bombardier					
Learjet 70 / 75	1	5	7	11	24
Challenger 350	14	16	13	19	62
Challenger 605 / 650	2	7	6	11	26
Global 5000 / 6000	14	14	10	13	51
CL850 / 870 / 890	0	0	0	0	0
Total Units	31	42	36	54	163
Total Billings	\$1,276,000,000	\$1,547,000,000	\$1,249,000,000	\$1,801,000,000	\$5,873,000,000

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

Make and Model	QI	QII	QIII	QIV	YTD
Cirrus Aircraft					
SR20	10	5	9	11	35
SR22	20	44	26	43	133
SR22T	27	47	38	37	149
SF50	<u>0</u>	<u>0</u>	<u>0</u>	<u>3</u>	<u>3</u>
Total Units	57	96	73	94	320
Total Billings	\$42,149,050	\$72,082,898	\$55,944,644	\$72,873,940	\$243,050,532
CubCrafters⁶					
CC11-100 Sport Cub S2	0	0	0	0	0
CC11-160 Carbon Cub SS	9	6	7	2	24
CC18-180 Top Cub	1	1	0	0	2
CC19-180 XCub	<u>0</u>	<u>0</u>	<u>3</u>	<u>5</u>	<u>8</u>
Total Units	10	7	10	7	34
Total Billings	\$2,511,952	\$1,702,712	\$2,729,747	\$2,071,067	\$9,015,478
DAHER¹⁰					
SOCATA TBM 900	5	0	1	2	8
SOCATA TBM 930	<u>0</u>	<u>13</u>	<u>13</u>	<u>20</u>	<u>46</u>
Total Units	5	13	14	22	54
Total Billings	\$19,450,000	\$53,210,000	\$57,180,000	\$89,760,000	\$219,600,000
Dassault Falcon Jet^{5, 8}					
2000S / 2000LXS / 900LX / 7X / 8X	/	15	/	34	49
Total Units		15		34	49
Total Billings		\$656,350,000		\$1,513,650,000	\$2,170,000,000
Diamond Aircraft^{5, 6}					
HK-36	0	0	0	0	0
DA20-C1	7	4	4	5	20
DA40 (All)	13	13	5	17	48
DA42 (All)	7	14	9	4	34
DA62	<u>3</u>	<u>11</u>	<u>8</u>	<u>8</u>	<u>30</u>
Total Units	30	42	26	34	132
Total Billings	\$16,060,600	\$29,265,800	\$18,598,400	\$20,594,800	\$84,519,600
Discovery Aviation					
XL2	0	0	0	0	0
Total Units	0	0	0	0	0
Total Billings	\$0	\$0	\$0	\$0	\$0
Embraer⁵					
Phenom 100E	1	8	1	0	10
Phenom 300	11	15	12	25	63
Legacy 450	0	0	6	6	12
Legacy 500	5	3	4	9	21
Legacy 600 / 650	6	0	2	1	9
Lineage 1000 / E190 Head of State	0	0	0	2	2
Shuttles (ERJs and E-Jets)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Units	23	26	25	43	117
Total Billings	\$375,881,600	\$228,202,800	\$349,101,600	\$639,050,000	\$1,592,236,000
Extra Aircraft					
EA300	7	7	6	7	27
Total Units	7	7	6	7	27
Total Billings	\$2,415,000	\$2,415,000	\$2,070,000	\$2,415,000	\$9,315,000
Flight Design GmbH⁶					
ASTM CT Series	13	0	6	4	23
Total Units	13	0	6	4	23
Total Billings	\$1,515,000	\$0	\$670,000	\$482,000	\$2,667,000
Gulfstream Aerospace Corp.⁵					
Gulfstream 150 / 280	8	7	6	6	27
Gulfstream 450 / 550 / 650 / 650ER	19	27	21	21	88
Total Units	27	34	27	27	115
Total Billings	\$1,385,800,000	\$1,887,800,000	\$1,470,400,000	\$1,491,800,000	\$6,235,800,000
Honda Aircraft Company⁵					
HA-420 HondaJet	3	7	5	8	23
Total Units	3	7	5	8	23
Total Billings	\$13,500,000	\$31,500,000	\$22,500,000	\$36,000,000	\$103,500,000

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

Make and Model	QI	QII	QIII	QIV	YTD
ICON Aircraft					
A5	0	0	3	2	5
Total Units	0	0	3	2	5
Total Billings	n/a	n/a	n/a	n/a	n/a
Mahindra Aerospace⁵					
Airvan 8	2	3	1	3	9
Total Units	2	3	1	3	9
Total Billings	\$1,453,920	\$2,180,880	\$726,960	\$2,180,880	\$6,542,640
Maule Air, Inc.¹²					
MX-7-180C	1	0	0	0	1
M-7-235C	0	1	0	0	1
M-7-260C	0	1	0	0	1
Total Units	1	2	0	0	3
Total Billings	\$207,810	\$487,991	\$0	\$0	\$695,801
Mooney International Corp.					
M20R Ovation	0	0	0	1	1
M20TN Acclaim	2	2	1	1	6
Total Units	2	2	1	2	7
Total Billings	\$1,467,000	\$1,470,000	\$719,000	\$1,459,900	\$5,115,900
ONE Aviation Corp.⁵					
Eclipse 550	3	1	1	3	8
Total Units	3	1	1	3	8
Total Billings	\$9,251,000	\$3,393,000	\$2,695,000	\$9,251,000	\$24,590,000
Pacific Aerospace Ltd.					
PAC 750XL	1	2	4	1	8
Total Units	1	2	4	1	8
Total Billings	\$1,800,000	\$3,084,000	\$6,850,000	\$1,710,000	\$13,444,000
Piaggio Aerospace					
P.180 Avanti Evo	1	0	0	2	3
Total Units	1	0	0	2	3
Total Billings	\$7,395,000	\$0	\$0	\$0	\$22,185,000
Pilatus					
PC-6	3	0	0	6	9
PC-12	16	22	20	33	91
Total Units	19	22	20	39	100
Total Billings	\$83,745,000	\$107,514,000	\$97,740,000	\$172,377,000	\$461,376,000
Piper Aircraft, Inc.					
PA-28-161 Warrior III	5	0	0	0	5
PA-28-181 Archer III	3	4	22	13	42
PA-28R-201 Arrow	7	0	0	0	7
PA-34-220T Seneca V	0	1	0	2	3
PA-44-180 Seminole	1	4	0	5	10
PA-46-350P M350	4	7	4	11	26
PA-46R-350T Matrix	0	0	0	0	0
PA-46-500TP M500	2	6	2	2	12
PA-46-600TP M600	0	0	8	14	22
Total Units	22	22	36	47	127
Total Billings	\$14,311,429	\$23,463,569	\$41,359,763	\$70,998,597	\$150,133,358
Quest Aircraft Company					
Kodiak 100	5	11	7	13	36
Total Units	5	11	7	13	36
Total Billings	\$10,075,000	\$22,825,000	\$16,899,864	\$31,530,928	\$81,330,792
TECNAM Aircraft⁶					
ASTM - LSA	20	18	15	20	73
P2002JF	6	8	10	9	33
P92JS	1	0	6	0	7
P2002JR	0	0	0	0	0
P2008JC	4	8	8	4	24
P2006T	8	8	8	8	32
P2010P Twenty Ten	7	6	5	4	22
Total Units	46	48	52	45	191
Total Billings	\$9,854,393	\$10,200,148	\$10,481,625	\$8,416,720	\$38,952,886

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

Make and Model	QI	QII	QIII	QIV	YTD
Textron Aviation^{4, 5}					
<i>Beechcraft Corporation</i>					
Bonanza G36	6	4	6	9	25
Baron G58	5	4	4	7	20
King Air C90GTx	5	4	1	1	11
King Air 250	6	7	10	9	32
King Air 350i / ER	15	12	18	18	63
Total Units	37	31	39	44	151
Total Billings (Beechcraft - Total)	\$181,481,188	\$157,734,750	\$212,854,625	\$213,419,125	
<i>Cessna Aircraft Company</i>					
CE-172S Skyhawk SP	9	20	33	38	100
CE-182T Skylane	6	5	14	25	50
CE-T206H Turbo Stationair	5	6	11	14	36
CE-240 TTx	7	7	4	13	31
CE-208 Caravan 675	3	4	4	2	13
CE-208B Grand Caravan EX	9	16	22	24	71
CE-510 Citation Mustang	1	2	4	3	10
CE-525 Citation M2	4	13	9	12	38
CE-525B Citation CJ3+	5	5	5	10	25
CE-525C Citation CJ4	7	8	8	6	29
CE-560 Citation XLS+	6	6	4	3	19
CE-680 Citation Sovereign+	2	1	3	5	11
CE-680A Citation Latitude	7	9	8	18	42
CE-750 Citation X+	2	1	0	1	4
Total Units	73	103	129	174	479
Total Billings (Cessna - Total)	\$439,805,100	\$507,714,400	\$492,376,800	\$749,698,600	
Total Billings (Combined)	\$621,286,288	\$665,449,150	\$705,231,425	\$963,117,725	\$2,955,084,588
Thrush Aircraft, Inc.					
S2R-T34	2	1	2	5	10
S2RHG-T65	0	1	1	0	2
S2R-T660	4	4	6	3	17
S2R-G10	0	0	0	0	0
S2R-H80	4	2	2	2	10
Total Units	10	8	11	10	39
Total Billings	\$14,588,592	\$13,333,824	\$19,102,714	\$13,374,844	\$60,399,974
WACO Aircraft Company					
2T-1A-2	1	1	1	0	3
YMF-5D	1	2	1	0	4
Total Units	2	3	2	0	7
Total Billings	\$757,000	\$1,374,000	\$822,000	\$0	\$2,953,000

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

Make and Model	QI	QII	QIII	QIV	YTD
Airbus Helicopters^{5, 9, 11}					
H120	2	2	0	1	5
AS350 B2	0	2	1	4	7
H125/H125M	15	34	18	37	104
H130	14	18	12	10	54
AS355 NP / ASS555AP	0	2	2	3	7
H135 / H135M	4	8	6	22	40
H145 / H145M	14	23	34	36	107
AS365 N3+ / AS565 Mbe	1	2	1	7	11
H155	0	0	0	3	3
H175	0	1	2	1	4
H215 / H215M	0	1	3	6	10
H225 / H225M	1	1	3	4	9
TIGER	1	5	3	10	19
Total Units	52	99	85	144	380
Total Billings	\$230,400,000	\$427,500,000	\$500,000,000	\$806,800,000	\$1,964,700,000

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

Make and Model	QI	QII	QIII	QIV	YTD
Bell Helicopter^{4,5}					
206L-4	3	0	5	2	10
407	1	0	0	1	2
407GX	0	2	1	1	4
407GXP	15	11	15	10	51
429	6	10	3	7	26
429WLG	0	0	1	1	2
412EP	0	0	0	1	1
412EPI	2	1	0	6	9
Huey II	3	0	0	6	9
Total Units	30	24	25	35	114
Total Billings	\$150,000,000	\$130,000,000	\$105,000,000	\$241,000,000	\$626,000,000
Enstrom Helicopter Corp.^{4,5}					
F28F	1	0	1	0	2
280FX	0	1	0	0	1
480B	2	3	2	2	9
Total Units	3	4	3	2	12
Total Billings	\$3,300,000	\$4,700,000	\$3,160,180	\$2,496,120	\$13,656,300
Hélicoptères Guimbal					
Cabri G2	9	14	12	15	50
Total Units	9	14	12	15	50
Total Billings	\$3,581,700	\$4,946,589	\$4,559,763	\$5,557,788	\$18,645,840
Leonardo Helicopters^{5,10,11,13}					
AW119Kx	1	2	4	15	22
AW109Power	0	0	0	0	0
GRANDNEW	2	8	4	3	17
AW139	8	16	14	25	63
AW169	4	3	6	9	22
AW189	1	1	1	4	7
AW159	4	7	2	6	19
SUPER LYNX	0	1	0	0	1
T129	2	0	0	8	10
AW101	0	1	1	1	3
CH47F	1	1	1	2	5
SW4	1	1	1	0	3
W3	0	0	0	0	0
Total Units	24	41	34	73	172
Total Billings	\$136,400,000	\$275,500,000	\$234,600,000	\$454,100,000	\$1,100,600,000
Robinson Helicopter Company⁵					
R22 Beta II	5	3	6	5	19
R44 Cadet	0	2	4	6	12
R44 Raven I	8	6	4	8	26
R44 Raven II	37	30	25	22	114
R66	11	14	22	16	63
Total Units	61	55	61	57	234
Total Billings	\$31,088,000	\$29,134,000	\$33,887,000	\$28,518,000	\$122,627,000
Sikorsky Aircraft Corporation^{4,5}					
S-76	3	0	1	1	5
S-92	2	0	2	3	7
Total Units	5	0	3	4	12
Total Billings	\$89,000,000	\$0	\$63,000,000	\$88,000,000	\$240,000,000

Grand Total Civil Aircraft Shipments⁶	648	808	800	1,116	3,372
Grand Total Aircraft Billings	\$4,632,454,078	\$6,248,224,938	\$5,102,297,367	\$8,807,069,900	\$24,804,836,282

Other Military and Government Aircraft Shipments⁴

Make and Model	QI	QII	QIII	QIV	Year-To-Date
Air Tractor					
AT-802U	0	0	0	0	0
Total Units	0	0	0	0	0
Bell Helicopter					
H-1	10	9	8	8	35
V22	6	6	6	4	22
Total Units	16	15	14	12	57

Other Military and Government Aircraft Shipments⁴

Make and Model	QI	QII	QIII	QIV	Year-To-Date
NHIndustries¹¹					
NH90	<u>4</u>	<u>8</u>	<u>9</u>	<u>17</u>	<u>38</u>
Total Units	4	8	9	17	38
Sikorsky Aircraft Corporation					
Blackhawk	30	39	31	33	133
Seahawk	<u>12</u>	<u>8</u>	<u>7</u>	<u>9</u>	<u>36</u>
Total Units	42	47	38	42	169
Textron Aviation					
<i>Beechcraft Corporation</i>					
T-6 A/B/C	<u>11</u>	<u>11</u>	<u>8</u>	<u>8</u>	<u>38</u>
Total Units	11	11	8	8	38

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 deliveries 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 2016.
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 value is 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 changed to reporting combined civil/commercial and military/government unit deliveries starting second quarter 2016.
10. Leonardo Helicopters changed reporting to combined civil/commercial and military/government unit deliveries starting third quarter 2016.
11. 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.
12. Maule Air Q3 and Q4 data was not available at the time of publication of this report. The report will be updated online when available.
13. The report was updated on March 15, 2017 to include fourth quarter data which was not available at time of publication.
14. AVIC General was added to the report in fourth quarter 2016.