



General Aviation Aircraft Shipment Report

General Aviation Manufacturers Association

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2016 Third Quarter

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

	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston	167	210	224	0	601
Multi-Engine Piston	24	42	29	0	95
Total Piston Airplanes	191	252	253	0	696
Single-Engine Turboprops	82	103	115	0	300
Multi-Engine Turboprops	27	23	29	0	79
Total Turboprop Airplanes	109	126	144	0	379
Business Jets	122	170	137	0	429
Total Turbine Airplanes	231	296	281	0	808
Grand Total Airplane Shipments	422	548	534	0	1,504
Grand Total Airplane Billings	\$3,975,220,935	\$5,344,956,345	\$4,120,697,813	\$0	\$13,440,875,093
Piston Helicopters	60	56	52	0	168
Turbine Helicopters	116	166	165	0	447
Grand Total Helicopter Shipments	176	222	217	0	615
Grand Total Helicopter Billings	\$643,769,700	\$871,780,589	\$959,006,943	\$0	\$2,474,557,232

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	0	460
Multi-Engine Piston	6	9	4	0	19
Total Piston	126	170	183	0	479
Single-Engine Turboprops	57	66	77	0	200
Multi-Engine Turboprops	26	23	29	0	78
Total Turboprop Airplanes	83	89	106	0	278
Business Jets	70	97	77	0	244
Total Turbine	153	186	183	0	522
Grand Total	279	356	366	0	1,001

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

Type	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston	78	64	65	0	207
Multi-Engine Piston	18	33	25	0	76
Total Piston	96	97	90	0	283
Single-Engine Turboprops	24	35	34	0	93
Multi-Engine Turboprops	1	0	0	0	1
Total Turboprop Airplanes	25	35	34	0	94
Business Jets	0	15	0	0	15
Total Turbine	25	50	34	0	109
Grand Total	121	147	124	0	392

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

	QI	QII	QIII	QIV	Year-To-Date
North America	308	392	412	0	1,112
South America	13	14	8	0	35
Europe	88	129	103	0	320
Rest of World	12	12	11	0	35
Grand Total	421	547	534	0	1,502

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

Make and Model	QI	QII	QIII	QIV	YTD
Airbus Corporate Jets⁷					
ACJ318	0	0	0		0
ACJ319	0	0	0		0
ACJ320	0	0	0		0
ACJ321	0	0	0		0
ACJ330	0	0	0		0
Total Units	0	0	0	0	0
Total Billings⁷	\$0	\$0	\$0	\$0	\$0
Airbus Helicopters^{5, 9, 11}					
H120	2	2	0		4
AS350 B2	0	2	1		3
H125/H125M	15	34	18		67
H130	14	18	12		44
AS355 NP / ASS555AP	0	2	2		4
H135 / H135M	4	8	6		18
H145 / H145M	14	23	34		71
AS365 N3+ / AS565 Mbe	1	2	1		4
H155	0	0	0		0
H175	0	1	3		4
H215 / H215M	0	1	3		4
H225 / H225M	1	1	3		5
TIGER	1	5	3		9
Total Units	52	99	86	0	237
Total Billings	\$230,400,000	\$427,500,000	\$514,800,000	\$0	\$1,172,700,000
Air Tractor⁴					
AT-401B	0	0	0		0
AT-402A	0	0	3		3
AT-402B	1	2	5		8
AT-502A	1	6	0		7
AT-502B	2	2	6		10
AT-504	0	0	1		1
AT-602	7	3	1		11
AT-802	2	1	1		4
AT-802A	13	3	6		22
AT802AF	1	3	0		4
AT-802F	1	1	0		2
Total Units	28	21	23	0	72
Total Billings	\$16,129,802	\$11,168,973	\$10,993,671	\$0	\$38,292,446
American Champion Aircraft					
7EC Champ	1	0	1		2
7ECA Citabria Aurora	0	0	0		0
7GCAA Citabria Adventurer	0	0	0		0
7GCBC Citabria Explorer	0	0	0		0
8GCBC Scout	2	2	4		8
8KCAB Super Decathlon	2	2	1		5
8KCAB Xtreme Decathlon	0	0	0		0
Total Units	5	4	6	0	15
Total Billings	\$1,115,500	\$982,600	\$1,381,400	\$0	\$3,479,500
Bell Helicopter^{4, 5}					
206L-4	3	0	5		8
407	1	0	0		1
407GX	0	2	1		3
407GXP	15	11	15		41
429	6	10	3		19
429WLG	0	0	1		1
412EPI	2	1	0		3
Huey II	3	0	0		3
Total Units	30	24	25	0	79
Total Billings	\$150,000,000	\$130,000,000	\$105,000,000	\$0	\$385,000,000

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

Make and Model	QI	QII	QIII	QIV	YTD
Boeing Business Jets⁷					
BBJ	1	0	0		1
BBJ 2	0	0	0		0
BBJ 3	0	0	0		0
B777-300ER	0	0	1		1
B787-8	0	0	0		0
B787-9	<u>0</u>	<u>0</u>	<u>0</u>		<u>0</u>
Total Units	1	0	1	0	2
Total Billings⁷	\$60,000,000	\$0	\$0	\$0	\$60,000,000
Bombardier					
Learjet 70 / 75	1	5	7		13
Challenger 350	14	16	13		43
Challenger 605 / 650	2	7	6		15
Global 5000 / 6000	14	14	10		38
CL850 / 870 / 890	<u>0</u>	<u>0</u>	<u>0</u>		<u>0</u>
Total Units	31	42	36	0	109
Total Billings	\$1,276,000,000	\$1,547,000,000	\$1,249,000,000	\$0	\$4,072,000,000
Cirrus Aircraft					
Cirrus SR20	10	5	9		24
Cirrus SR22	20	44	26		90
Cirrus SR22T	<u>27</u>	<u>47</u>	<u>38</u>		<u>112</u>
Total Units	57	96	73	0	226
Total Billings	\$42,149,050	\$72,082,898	\$55,944,644	\$0	\$170,176,592
CubCrafters⁶					
CC11-100 Sport Cub S2	0	0	0		0
CC11-160 Carbon Cub SS	9	6	7		22
CC18-180 Top Cub	1	1	0		2
CC19-180 Xcub	<u>0</u>	<u>0</u>	<u>3</u>		<u>3</u>
Total Units	10	7	10	0	27
Total Billings	\$2,511,952	\$1,702,712	\$2,729,747	\$0	\$6,944,411
DAHER¹⁰					
SOCATA TBM 900	5	0	1		6
SOCATA TBM 930	<u>0</u>	<u>13</u>	<u>13</u>		<u>26</u>
Total Units	5	13	14	0	32
Total Billings	\$19,450,000	\$53,210,000	\$57,180,000	\$0	\$129,840,000
Dassault Falcon Jet^{5, 8}					
2000S / 2000LXS / 900LX / 7X		<u>15</u>			<u>15</u>
Total Units		15		0	15
Total Billings		\$656,350,000		\$0	\$656,350,000
Diamond Aircraft^{5, 6}					
HK-36	0	0	0		0
DA20-C1	7	4	4		15
DA40 (All)	13	13	5		31
DA42 (All)	7	14	9		30
DA62	<u>3</u>	<u>11</u>	<u>8</u>		<u>22</u>
Total Units	30	42	26	0	98
Total Billings	\$16,060,600	\$29,265,800	\$18,598,400	\$0	\$63,924,800
Discovery Aviation					
XL2	<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
Embraer⁵					
Phenom 100E	1	8	1		10
Phenom 300	11	15	12		38
Legacy 450	0	0	6		6
Legacy 500	5	3	4		12
Legacy 600 / 650	6	0	2		8
Lineage 1000 / E190 Head of State	0	0	0		0
Shuttles (ERJs and E-Jets)	<u>0</u>	<u>0</u>	<u>0</u>		<u>0</u>
Total Units	23	26	25	0	74
Total Billings	\$375,881,600	\$228,202,800	\$349,101,600	\$0	\$953,186,000

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

Make and Model	QI	QII	QIII	QIV	YTD
Enstrom Helicopter Corp. ^{4, 5}					
F28F	1	0	1		2
280FX	0	1	0		1
480B	<u>2</u>	<u>3</u>	<u>2</u>		<u>7</u>
Total Units	3	4	3	0	10
Total Billings	\$3,300,000	\$4,700,000	\$3,160,180	\$0	\$11,160,180
Extra Aircraft					
EA300	<u>7</u>	<u>7</u>	<u>6</u>		<u>20</u>
Total Units	7	7	6	0	20
Total Billings	\$2,415,000	\$2,415,000	\$2,070,000	\$0	\$6,900,000
Flight Design GmbH ⁶					
ASTM CT Series	<u>13</u>	<u>0</u>	<u>6</u>		<u>19</u>
Total Units	13	0	6	0	19
Total Billings	\$1,515,000	\$0	\$670,000	\$0	\$2,185,000
Gulfstream Aerospace Corp. ⁵					
Gulfstream 150 / 280	8	7	6		21
Gulfstream 450 / 550 / 650 / 650ER	<u>19</u>	<u>27</u>	<u>21</u>		<u>67</u>
Total Units	27	34	27	0	88
Total Billings	\$1,385,800,000	\$1,887,800,000	\$1,470,400,000	\$0	\$4,744,000,000
Hélicoptères Guimbal					
Cabri G2	<u>9</u>	<u>14</u>	<u>12</u>		<u>35</u>
Total Units	9	14	12	0	35
Total Billings	\$3,581,700	\$4,946,589	\$4,559,763	\$0	\$13,088,052
Honda Aircraft Company ⁵					
HA-420 HondaJet	<u>3</u>	<u>7</u>	<u>6</u>		<u>16</u>
Total Units	3	7	6	0	16
Total Billings	\$13,500,000	\$31,500,000	\$27,000,000	\$0	\$72,000,000
Leonardo Helicopters ^{5, 10, 11}					
AW119Kx	1	2	4		7
AW109Power	0	0	0		0
GRANDNEW	2	8	4		14
AW139	8	16	14		38
AW169	4	3	6		13
AW189	1	1	1		3
AW159	4	7	2		13
SUPER LYNX	0	1	0		1
T129	2	0	0		2
AW101	0	1	1		2
CH47F	1	1	1		3
SW4	1	1	1		3
W3	<u>0</u>	<u>0</u>	<u>0</u>		<u>0</u>
Total Units	24	41	34	0	99
Total Billings	\$136,400,000	\$275,500,000	\$234,600,000	\$0	\$646,500,000
Mahindra Aerospace ⁵					
Airvan 8	<u>2</u>	<u>3</u>	<u>1</u>		<u>6</u>
Total Units	2	3	1	0	6
Total Billings	\$1,453,920	\$2,180,880	\$726,960	\$0	\$4,361,760
Maule Air, Inc. ¹²					
MX-7-180C	1	0			1
M-7-235C	0	1			1
M-7-260C	<u>0</u>	<u>1</u>			<u>1</u>
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		0
M20TN Acclaim	<u>2</u>	<u>2</u>	<u>1</u>		<u>5</u>
Total Units	2	2	1	0	5
Total Billings	\$1,467,000	\$1,470,000	\$719,000	\$0	\$3,656,000
ONE Aviation Corp.					
Eclipse 550	<u>3</u>	<u>1</u>	<u>1</u>		<u>5</u>
Total Units	3	1	1	0	5
Total Billings	\$9,251,000	\$3,393,000	\$2,695,000	\$0	\$15,339,000

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

Make and Model	QI	QII	QIII	QIV	YTD
<i>Pacific Aerospace Ltd.</i>					
PAC 750XL	<u>1</u>	<u>2</u>	<u>4</u>		<u>7</u>
Total Units	1	2	4	0	7
Total Billings	\$1,800,000	\$3,084,000	\$6,850,000	\$0	\$11,734,000
<i>Piaggio Aerospace</i>					
P.180 Avanti Evo	<u>1</u>	<u>0</u>	<u>0</u>		<u>1</u>
Total Units	1	0	0	0	1
Total Billings	\$7,395,000	\$0	\$0	\$0	\$7,395,000
<i>Pilatus</i>					
PC-6	3	0	0		3
PC-12	<u>16</u>	<u>22</u>	<u>20</u>		<u>58</u>
Total Units	19	22	20	0	61
Total Billings	\$83,745,000	\$107,514,000	\$97,740,000	\$0	\$288,999,000
<i>Piper Aircraft, Inc</i>					
PA-28-161 Warrior III	5	0	0		5
PA-28-181 Archer III	3	4	22		29
PA-28R-201 Arrow	7	0	0		7
PA-34-220T Seneca V	0	1	0		1
PA-44-180 Seminole	1	4	0		5
PA-46-350P M350	4	7	4		15
PA-46R-350T Matrix	0	0	0		0
PA-46-500TP M500	2	6	2		10
PA-46-600TP M600	<u>0</u>	<u>0</u>	<u>8</u>		<u>8</u>
Total Units	22	22	36	0	80
Total Billings	\$14,311,429	\$23,463,569	\$41,359,763	\$0	\$79,134,761
<i>Quest Aircraft Company</i>					
Kodiak 100	<u>5</u>	<u>11</u>	<u>7</u>		<u>23</u>
Total Units	5	11	7	0	23
Total Billings	\$10,075,000	\$22,825,000	\$16,899,864	\$0	\$49,799,864
<i>Robinson Helicopter Company⁵</i>					
R22 Beta II	5	3	6		14
R44 Cadet	0	2	4		6
R44 Raven I	8	6	4		18
R44 Raven II	37	30	25		92
R66	<u>11</u>	<u>14</u>	<u>22</u>		<u>47</u>
Total Units	61	55	61	0	177
Total Billings	\$31,088,000	\$29,134,000	\$33,887,000	\$0	\$94,109,000
<i>Sikorsky Aircraft Corporation^{4, 5}</i>					
S-76	3	0	1		4
S-92	<u>2</u>	<u>0</u>	<u>2</u>		<u>4</u>
Total Units	5	0	3	0	8
Total Billings	\$89,000,000	\$0	\$63,000,000	\$0	\$152,000,000
<i>TECNAM Aircraft⁶</i>					
ASTM - LSA	20	18	15		53
P2002JF	6	8	10		24
P92JS	1	0	6		7
P2002JR	0	0	0		0
P2008JC	4	8	8		20
P2006T	8	8	8		24
P2010P Twenty Ten	<u>7</u>	<u>6</u>	<u>5</u>		<u>18</u>
Total Units	46	48	52	0	146
Total Billings	\$9,854,393	\$10,200,148	\$10,481,625	\$0	\$30,536,166
<i>Textron Aviation^{4, 5}</i>					
<i>Beechcraft Corporation</i>					
Bonanza G36	6	4	6		16
Baron G58	5	4	4		13
King Air C90GTx	5	4	1		10
King Air 250	6	7	10		23
King Air 350i / ER	<u>15</u>	<u>12</u>	<u>18</u>		<u>45</u>
Total Units	37	31	39	0	107
Total Billings (Beechcraft - Total)	\$181,481,188	\$157,734,750	\$212,854,625	\$0	

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

Make and Model	QI	QII	QIII	QIV	YTD
Textron Aviation (ctd.)^{4, 5}					
<i>Cessna Aircraft Company</i>					
CE-172S Skyhawk SP	9	20	33		62
CE-182T Skylane	6	5	14		25
CE-T206H Turbo Stationair	5	6	11		22
CE-240 TTx	7	7	4		18
CE-208 Caravan 675	3	4	4		11
CE-208B Grand Caravan EX	9	16	22		47
CE-510 Citation Mustang	1	2	4		7
CE-525 Citation M2	4	13	9		26
CE-525B Citation CJ3+	5	5	5		15
CE-525C Citation CJ4	7	8	8		23
CE-560 Citation XLS+	6	6	4		16
CE-680 Citation Sovereign+	2	1	3		6
CE-680A Citation Latitude	7	9	8		24
CE-750 Citation X+	<u>2</u>	<u>1</u>	<u>0</u>		<u>3</u>
Total Units	73	103	129	0	305
Total Billings (Cessna - Total)	\$439,805,100	\$507,714,400	\$492,376,800	\$0	
Total Billings (Combined)	\$621,286,288	\$665,449,150	\$705,231,425	\$0	\$1,991,966,863
Thrush Aircraft, Inc.					
S2R-T34	2	1	2		5
S2RHG-T65	0	1	1		2
S2R-T660	4	4	6		14
S2R-G10	0	0	0		0
S2R-H80	<u>4</u>	<u>2</u>	<u>2</u>		<u>8</u>
Total Units	10	8	11	0	29
Total Billings	\$14,588,592	\$13,333,824	\$19,102,714	\$0	\$47,025,130
WACO Aircraft Company					
2T-1A-2	1	1	1		3
YMF-5D	<u>1</u>	<u>2</u>	<u>1</u>		<u>4</u>
Total Units	2	3	2	0	7
Total Billings	\$757,000	\$1,374,000	\$822,000	\$0	\$2,953,000
Grand Total Civil Aircraft Shipments⁶	648	809	786	0	2,243
Grand Total Aircraft Billings	\$4,632,490,635	\$6,248,236,934	\$5,106,704,756	\$0	\$15,987,432,325

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>
Total Units	0	0	0	0	0
Bell Helicopter					
H-1	10	9	8		27
V22	<u>6</u>	<u>6</u>	<u>6</u>		<u>18</u>
Total Units	16	15	14	0	45

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>21</u>
Total Units	4	8	9	0	21
Sikorsky Aircraft Corporation					
BLACK HAWK	30	39	31		100
SEAHAWK	<u>12</u>	<u>8</u>	<u>7</u>		<u>27</u>
Total Units	42	47	38	0	127
Textron Aviation					
<u>Beechcraft Corporation</u>					
T-6 A/B/C	<u>11</u>	<u>11</u>	<u>8</u>		<u>30</u>
Total Units	11	11	8	0	30

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 under an EASA production approval.
4. Military 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. 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 (formerly Finmeccanica) 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 data was not available at the time of publication of this report. The report will be updated online when available.