



General Aviation Aircraft Shipment Report

General Aviation Manufacturers Association

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2022 Year-End Report

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

	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston and Electric	230	319	333	443	1,361
Multi-Engine Piston	29	42	30	57	158
Total Piston Airplanes	259	361	363	500	1,519
Single-Engine Turboprops	95	120	116	174	505
Multi-Engine Turboprops	15	17	20	25	77
Total Turboprop Airplanes	110	137	136	199	582
Business Jets	118	171	157	266	712
Total Turbine Airplanes	228	308	293	465	1,294
Grand Total Airplane Shipments	487	669	656	965	2,813
Grand Total Airplane Billings	\$3,825,379,493	\$5,277,963,616	\$5,013,638,765	\$8,748,817,819	\$22,865,799,694
Piston Helicopters	40	47	50	57	194
Turbine Helicopters	100	160	181	297	738
Grand Total Helicopter Shipments	140	207	231	354	932
Grand Total Helicopter Billings	\$511,098,532	\$925,566,333	\$1,120,735,781	\$1,961,846,653	\$4,519,247,299

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

Type	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston	152	227	254	372	1,005
Multi-Engine Piston	4	4	4	9	21
Total Piston Airplanes	156	231	258	381	1,026
Single-Engine Turboprops	79	96	79	111	365
Multi-Engine Turboprops	15	16	20	24	75
Total Turboprop Airplanes	94	112	99	135	440
Business Jets	86	111	116	175	488
Total Turbine Airplanes	180	223	215	310	928
Grand Total	336	454	473	691	1,954

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

Type	QI	QII	QIII	QIV	Year-To-Date
Single-Engine Piston and Electric	78	104	86	75	379
Multi-Engine Piston	25	38	26	48	137
Total Piston Airplanes	103	142	112	123	516
Single-Engine Turboprops	16	24	37	62	139
Multi-Engine Turboprops	0	1	0	1	2
Total Turboprop Airplanes	16	25	37	63	141
Business Jets	10	27	9	34	80
Total Turbine Airplanes	26	52	46	97	221
Grand Total	129	194	158	220	737

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

	North America	Europe	Asia Pacific	Latin America	Middle East & Africa
Piston Engine	69.9%	11.8%	9.7%	5.7%	2.8%
Turboprops	55.7%	10.7%	9.6%	18.2%	5.8%
Business Jets	67.6%	16.3%	5.1%	6.2%	4.9%
Total Shipments in Region	66.0%	12.8%	8.4%	8.7%	4.1%

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

Make and Model	QI	QII	QIII	QIV	YTD
Airbus Corporate Jets ⁷					
ACJ220-100	1	0	0	1	2
ACJ319neo	0	0	1	0	1
ACJ320neo	0	0	0	0	0
ACJ321neo	0	0	0	0	0
ACJ330-200	<u>2</u>	<u>1</u>	<u>0</u>	<u>2</u>	<u>5</u>
Total Units	3	1	1	3	8
Total Billings	\$81,000,000	\$0	\$87,000,000	\$72,000,000	\$240,000,000
Air Tractor ⁴					
AT-402A	0	0	0	0	0
AT-402B	6	8	5	3	22
AT-502A/XP	12	9	6	4	31
AT-502B	7	8	10	16	41
AT-504	0	3	3	2	8
AT-602	5	5	3	3	16
AT-802	2	6	4	0	12
AT-802A	14	11	7	14	46
AT-802AF	1	0	3	3	7
AT-802F	<u>1</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>6</u>
Total Units	48	51	43	47	189
Total Billings	\$39,351,424	\$57,674,206	\$52,546,102	\$54,209,868	\$203,781,600
American Champion Aircraft					
7ECA Citabria Aurora	0	0	0	0	0
7GCAA Citabria Adventure	0	0	0	0	0
7GCBC Citabria Explorer	0	2	0	1	3
8GCBC Scout	0	1	2	1	4
8KCAB Super Decathlon	0	2	2	3	7
8KCAB Xtreme Decathlon	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Units	0	5	4	5	14
Total Billings	\$0	\$1,261,000	\$1,114,000	\$1,317,000	\$3,692,000
AVIC General ¹²					
SR20	21	0	8	3	32
B610C	2	1	0	3	6
Y5B	0	1	0	4	5
LE500	0	0	0	0	0
A2C	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Units	23	2	8	10	43
Total Billings	\$15,191,320	\$954,142	\$5,172,414	\$5,478,571	\$26,796,447
Boeing Business Jets ⁷					
BBJ MAX 7	0	0	0	0	0
BBJ MAX 8	0	0	0	1	1
BBJ MAX 9	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>
Total Units	0	0	0	2	2
Total Billings	\$0	\$0	\$0	\$166,000,000	\$166,000,000
Bombardier					
Learjet 70 / 75 / 75 Liberty	3	0	0	0	3
Challenger 350 / 650	6	12	12	20	50
Global 5000 / 5500 / 6000 / 6500 / 7500	<u>12</u>	<u>16</u>	<u>13</u>	<u>29</u>	<u>70</u>
Total Units	21	28	25	49	123
Total Billings	\$1,046,000,000	\$1,385,000,000	\$1,202,000,000	\$2,413,000,000	\$6,046,000,000

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

Make and Model	QI	QII	QIII	QIV	YTD
Cirrus Aircraft					
SR20	8	27	38	27	100
SR22	19	33	34	73	159
SR22T	41	53	60	126	280
SF50	<u>11</u>	<u>19</u>	<u>23</u>	<u>37</u>	<u>90</u>
Total Units	79	132	155	263	629
Total Billings	\$103,116,534	\$157,452,626	\$179,209,050	\$325,636,365	\$765,414,575
CubCrafters^{5,6,11}					
Carbon Cub LSA & E/A-B	7	10	8	7	32
XCub/NXCub E/A-B	0	8	6	6	20
CC19 XCub/NXCub	<u>5</u>	<u>4</u>	<u>1</u>	<u>5</u>	<u>15</u>
Total Units	12	22	15	18	67
Total Billings	\$4,625,300	\$8,874,200	\$5,963,500	\$7,347,800	\$26,810,800
DAHER¹²					
Kodiak 100	2	5	2	7	16
Kodiak 900	0	0	0	1	1
TBM 910	0	0	0	0	0
TBM 960	<u>2</u>	<u>3</u>	<u>24</u>	<u>27</u>	<u>56</u>
Total Units	4	8	26	35	73
Total Billings	\$14,879,012	\$27,897,824	\$120,529,012	\$152,702,552	\$316,008,400
Dassault Aviation^{5,8}					
2000LXS / 900LX / 7X / 8X		<u>14</u>		<u>18</u>	<u>32</u>
Total Units		14		18	32
Total Billings		\$738,400,000		\$1,024,500,000	\$1,762,900,000
Diamond Aircraft^{5,6}					
DA20 (All)	1	6	3	6	16
DA40 (All)	20	40	25	24	109
DA42 (All)	8	9	7	21	45
DA50	2	5	6	3	16
DA62	<u>9</u>	<u>16</u>	<u>13</u>	<u>15</u>	<u>53</u>
Total Units	40	76	54	69	239
Total Billings	\$30,446,100	\$54,210,500	\$41,789,500	\$54,363,900	\$180,810,000
Elixir Aircraft¹²					
Elixir 912iS	<u>2</u>	<u>2</u>	<u>1</u>	<u>0</u>	<u>5</u>
Total Units	2	2	1	0	5
Total Billings	\$520,211	\$520,211	\$241,896	\$0	\$1,282,319
Embraer⁵					
Phenom 100EV	1	2	2	2	7
Phenom 300	2	5	1	9	17
Phenom 300E	3	5	12	22	42
Praetor 500	0	5	4	6	15
Praetor 600	<u>2</u>	<u>4</u>	<u>4</u>	<u>11</u>	<u>21</u>
Total Units	8	21	23	50	102
Total Billings	\$98,960,000	\$287,895,000	\$300,785,000	\$672,550,000	\$1,360,190,000
Epic Aircraft, LLC					
E1000 GX	<u>3</u>	<u>3</u>	<u>4</u>	<u>6</u>	<u>16</u>
Total Units	3	3	4	6	16
Total Billings	\$11,550,000	\$11,550,000	\$16,080,000	\$25,140,000	\$64,320,000
Extra Aircraft¹²					
Extra 300	2	1	2	3	8
Extra NG	<u>4</u>	<u>5</u>	<u>4</u>	<u>4</u>	<u>17</u>
Total Units	6	6	6	7	25
Total Billings	\$3,381,000	\$3,517,500	\$3,155,600	\$3,670,000	\$13,724,100
Flight Design GmbH⁶					
F2	0	0	0	0	0
CT ASTM	<u>7</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>7</u>
Total Units	7	0	0	0	7
Total Billings	\$1,108,000	\$0	\$0	\$0	\$1,108,000
Game Composites¹²					
GB1 GameBird	<u>5</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>23</u>
Total Units	5	6	6	6	23
Total Billings	\$2,650,000	\$3,180,000	\$3,180,000	\$3,180,000	\$12,190,000

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

Make and Model	QI	QII	QIII	QIV	YTD
Gulfstream Aerospace Corp.⁵					
Gulfstream 280	4	5	7	8	24
Gulfstream 500 / 600 / 650 / 650ER	<u>21</u>	<u>17</u>	<u>28</u>	<u>30</u>	<u>96</u>
Total Units	25	22	35	38	120
Total Billings	\$1,402,500,000	\$1,178,523,810	\$1,932,500,000	\$2,091,000,000	\$6,604,523,810
Honda Aircraft Company⁵					
HA-420 HondaJet	<u>4</u>	<u>6</u>	<u>3</u>	<u>4</u>	<u>17</u>
Total Units	4	6	3	4	17
Total Billings	\$23,000,000	\$34,500,000	\$19,500,000	\$27,800,000	\$104,800,000
ICON Aircraft					
A5	<u>4</u>	<u>10</u>	<u>7</u>	<u>15</u>	<u>36</u>
Total Units	4	10	7	15	36
Total Billings	\$1,436,000	\$3,590,000	\$2,513,000	\$5,385,000	\$12,924,000
NZSkydive Ltd.¹⁴					
E-350 Expedition	0	0	0	0	0
Cresco	0	0	0	0	0
PAC 750XL	<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
Piaggio Aerospace					
P.180 Avanti Evo	<u>0</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>2</u>
Total Units	0	1	0	1	2
Total Billings	\$0	\$7,695,000	\$0	\$7,695,000	\$15,390,000
Pilatus					
PC-6	1	0	0	2	3
PC-12	13	21	13	33	80
PC-24	<u>7</u>	<u>12</u>	<u>8</u>	<u>13</u>	<u>40</u>
Total Units	21	33	21	48	123
Total Billings	\$154,345,000	\$253,899,000	\$163,687,000	\$336,348,000	\$908,279,000
Piper Aircraft, Inc.					
PA-28-181 Pilot 100i	11	12	8	22	53
PA-28-181 Archer III	22	18	19	34	93
PA-28R-201 Arrow	0	0	0	0	0
PA-34-220T Seneca V	0	0	0	0	0
PA-44-180 Seminole	4	4	4	9	21
PA-46-350P M350	3	5	5	6	19
PA-46-500TP M500	4	2	2	1	9
PA-46-600TP M600/SLS	<u>3</u>	<u>11</u>	<u>8</u>	<u>19</u>	<u>41</u>
Total Units	47	52	46	91	236
Total Billings	\$41,269,206	\$66,521,140	\$55,985,985	\$109,914,018	\$273,690,349
Pipistrel Aircraft¹⁶					
Alpha Trainer ASTM	n/a	n/a	n/a	n/a	17
VSV ASTM	n/a	n/a	n/a	n/a	13
Virus SW 121	n/a	n/a	n/a	n/a	20
Virus SW 128 Velis Electro	n/a	n/a	n/a	n/a	16
Total Units	n/a	n/a	n/a	n/a	66
Total Billings	n/a	n/a	n/a	n/a	n/a
Sonaca Aircraft					
Sonaca 200	<u>4</u>	<u>3</u>	<u>5</u>	<u>0</u>	<u>12</u>
Total Units	4	3	5	0	12
Total Billings	\$902,000	\$633,450	\$1,127,500	\$0	\$2,662,950
TECNAM Aircraft^{6, 12}					
ASTM - LSA	18	18	19	15	70
P2002JF	0	0	2	0	2
P92JS	0	0	0	0	0
P2008JC	9	17	8	1	35
P-Mentor	2	3	6	6	17
P2006T	4	10	4	10	28
P2010P Twenty Ten	11	9	9	17	46
P2012 Traveller	<u>4</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>11</u>
Total Units	48	60	50	51	209
Total Billings	\$24,150,000	\$25,250,000	\$17,830,000	\$27,230,000	\$94,460,000

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

Make and Model	QI	QII	QIII	QIV	YTD
Textron Aviation ^{4, 5, 12}					
CE-172S Skyhawk SP	20	42	56	33	151
CE-182T Skylane	9	10	12	17	48
CE-T206H Turbo Stationair	8	9	10	15	42
Bonanza G36	0	0	0	3	3
Baron G58	0	0	0	0	0
CE-208 Caravan 675	2	4	2	3	11
CE-208B Grand Caravan EX	14	15	11	20	60
King Air 260	9	7	10	9	35
King Air 360 / ER	6	8	8	12	34
CE-408 SkyCourier	0	1	2	3	6
CE-525 Citation M2 Gen2	8	8	9	8	33
CE-525B Citation CJ3+	8	7	6	8	29
CE-525C Citation CJ4 Gen2	7	9	6	7	29
CE-560 Citation XLS+ Gen2	3	5	6	5	19
CE-680A Citation Latitude	10	11	7	14	42
CE-700 Citation Longitude	3	8	5	10	26
Total Units	107	144	150	167	568
Total Billings (Combined)	\$720,061,000	\$961,238,500	\$792,346,000	\$1,151,761,500	\$3,625,407,000
Thrush Aircraft, LLC. ¹²					
S2R-T34	0	0	1	0	1
S2RHG-T65	0	0	0	0	0
S2R-510	0	4	4	6	14
S2R-T660	3	1	2	2	8
S2R-G10	0	0	0	0	0
S2R-H80	0	0	0	0	0
Total Units	3	5	7	8	23
Total Billings	\$4,658,386	\$6,608,507	\$9,104,206	\$10,588,245	\$30,959,344
WACO Aircraft Company					
2T-1A-2 Great Lakes	1	2	1	0	4
YMF-5D	0	1	0	0	1
Total Units	1	3	1	0	5
Total Billings	\$279,000	\$1,117,000	\$279,000	\$0	\$1,675,000

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

Make and Model	QI	QII	QIII	QIV	YTD
Airbus Helicopters ^{5, 9, 10}					
H125 / H125M	14	35	20	60	129
H130	4	8	9	17	38
H135 / H135M	5	5	10	17	37
H145 / H145M	10	17	25	27	79
AS365 N3+ / AS565 Mbe	0	0	0	0	0
H155	0	0	0	1	1
H160	0	1	1	1	3
H175	0	0	0	3	3
H215 / H215M	0	0	2	2	4
H225 / H225M	3	4	4	11	22
TIGER	0	0	0	0	0
Total Units	36	70	71	139	316
Total Billings	\$260,800,000	\$444,800,000	\$540,600,000	\$989,200,000	\$2,235,400,000
Bell ⁵					
505	17	15	18	33	83
407	0	0	0	0	0
407GX	5	9	15	20	49
429	3	8	7	12	30
429WLG	0	0	2	0	2
412EP	0	1	2	2	5
412EPI	0	1	3	1	5
412EPX	0	0	2	3	5
Huey II	0	0	0	0	0
Total Units	25	34	49	71	179
Total Billings	\$70,400,000	\$143,900,000	\$232,000,000	\$292,100,000	\$738,400,000
Enstrom Helicopter Corp. ^{4, 5}					
F28F, 280FX	0	0	0	0	0
480B-G	0	0	0	0	0
Total Units	0	0	0	0	0
Total Billings	\$0	\$0	\$0	\$0	\$0
Hélicoptères Guimbal					
Cabri G2	3	6	9	12	30
Total Units	3	6	9	12	30
Total Billings	\$1,067,812	\$2,101,261	\$3,565,654	\$5,270,751	\$12,005,478
KAMAN ⁵					
K-1200 K-MAX	0	1	0	1	2
Total Units	0	1	0	1	2
Total Billings	\$0	\$8,000,000	\$0	\$8,000,000	\$16,000,000
Leonardo Helicopters ^{5, 9, 10, 15}					
AW119Kx	6	9	11	13	39
AW109 Trekker	0	2	0	1	3
AW109 GrandNew	2	2	4	5	13
AW139	4	7	11	19	41
AW169	2	4	4	7	17
AW189 / AW149	2	3	4	11	20
AW159	0	0	0	0	0
SUPER LYNX	0	0	0	0	0
AW101	0	0	0	1	1
CH47F	0	0	0	0	0
SW4	0	0	0	0	0
W3	0	0	0	0	0
Total Units	16	27	34	57	134
Total Billings	\$134,760,000	\$227,720,000	\$298,920,000	\$561,960,000	\$1,223,360,000
MD Helicopters, LLC ¹³					
MD 530F	2	0	0	1	3
Total Units	2	0	0	1	3
Total Billings	\$6,000,000	\$0	\$0	\$3,000,000	\$9,000,000

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

Make and Model	QI	QII	QIII	QIV	YTD
Robinson Helicopter Company⁵					
R22 Beta II	3	3	5	4	15
R44 Cadet	2	0	3	0	5
R44 Raven I	12	15	12	12	51
R44 Raven II	19	21	19	27	86
R66	<u>21</u>	<u>26</u>	<u>27</u>	<u>27</u>	<u>101</u>
Total Units	57	65	66	70	258
Total Billings	\$37,584,000	\$44,046,000	\$44,497,000	\$47,168,000	\$173,295,000
Schweizer RSG					
S300C	1	2	2	2	7
Total Units	1	2	2	2	7
Total Billings	\$486,720	\$999,072	\$1,153,127	\$1,147,902	\$3,786,821
Sikorsky Aircraft Corporation^{4,5}					
S-76	0	0	0	0	0
S-92	0	2	0	2	4
Total Units	0	2	0	2	4
Total Billings	\$0	\$54,000,000	\$0	\$54,000,000	\$108,000,000

Grand Total Civil Aircraft Shipments⁶	665	923	927	1,366	3,947
Grand Total Aircraft Billings	\$4,335,991,306	\$6,202,530,877	\$6,133,221,419	\$10,709,516,570	\$27,381,260,171

Other Military and Government Aircraft Shipments⁴

Make and Model	QI	QII	QIII	QIV	YTD
Air Tractor					
AT-802U	0	0	1	0	1
Total Units	0	0	1	0	1
Bell					
H-1	3	4	4	4	15
V-22	<u>3</u>	<u>3</u>	<u>2</u>	<u>5</u>	<u>13</u>
Total Units	6	7	6	9	28
NHIndustries¹⁰					
NH90	<u>3</u>	<u>6</u>	<u>7</u>	<u>12</u>	<u>28</u>
Total Units	3	6	7	12	28
Sikorsky Aircraft Corporation					
Blackhawk	17	25	20	26	88
Seahawk	0	0	0	0	0
CH-53K	0	0	0	0	0
CH-148	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Units	17	25	20	26	88
Textron Aviation					
Beechcraft T-6 A / B / C	0	0	1	9	10
Beechcraft AT-6	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Units	0	0	1	9	10

Footnotes:

- A shipment occurs when an aircraft is shipped from its production facility to a customer located anywhere in the world.
- Shipments may include an aircraft delivery to a fractional operator owned by the company or to an aircraft dealer.
- 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.
- Other military and government aircraft shipments are not included in main shipment table totals, but listed separately.
- Company billings are not reported. GAMA estimates total billings using public information including BCA Purchase Planning Handbook 2022.
- AVIC General A2C, CubCrafters CCX and CC11 models, Flight Design GmbH ASTM CT Series, Icon A5, 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.
- Airbus and Boeing twin aisle / wide body shipments are identified in the report, but their values are not included in the calculation of billings.
- Dassault reports combined civil airplane deliveries twice a year in accordance with company financial reporting procedures.
- Airbus Helicopters and Leonardo Helicopters report combined civil/commercial and military/government unit deliveries. Billings are estimated for civil/commercial models only.
- NHIndustries is wholly owned by Airbus Helicopters, Leonardo Helicopters, 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.
- CubCrafters manufacturers general aviation airplanes in Part 23, ASTM S-LSA, builder assist, and experimental kit categories.
- The Airbus ACJ220-100, Daher Kodiak 900 and TBM 960, Elixir 912iS, Extra Aircraft Extra NG, TECNAM Aircraft P-Mentor, Textron Aviation CE-408 SkyCourier, CE-525 M2 Gen2, CE-560XL Citation XLS+ Gen 2, and Thrush Aircraft S2R-510 entered into service in 2022. Game Composites is new entry into the 2022 report. Prior reports have been updated for Game Composite deliveries.
- MD Helicopters, LLC is a new entry into the shipment report. The 2022 deliveries include deliveries by MD Helicopters, LLC and MD Helicopters, Inc.
- Pacific Aerospace Limited (PAL) was liquidated in 2021. The PAL type certificates have been transferred to NZSkydive Limited.
- Leonardo Helicopter's fourth quarter data was added to the report following original publication.
- Pipistrel model information and deliveries was updated following original publication.