

## Aircraft Library (AIR\_xxx.ATL)

The aircraft library includes commercial, military and private aircraft in use the world over. Those printed in *italics* have predefined reports for jet exhaust velocity and/or jet exhaust temperature and/or servicing points.

Although the aircraft included have all been checked for accuracy we do nevertheless recommend that you double check critical dimensions. Please let us know if you do find any errors and we will correct them immediately.

Aircraft	Type	Length (mm)	Wing span (mm)
Aerospatiale ATR-42	Commercial	22670	24575
Aerospatiale ATR-72	Commercial	27166	27051
Airbus A300-600	Commercial	54080	44840
Airbus A300-B2 B4 C4	Commercial	53720	44830
Airbus A310-200	Commercial	46660	43890
Airbus A310-300	Commercial	46660	43890
<i>Airbus A318-100 (Models 11x)</i>	<i>Commercial</i>	<i>31450</i>	<i>34100</i>
<i>Airbus A318-100 (Models 12x)</i>	<i>Commercial</i>	<i>31450</i>	<i>34100</i>
Airbus A319-100 (Models 11x)	Commercial	33840	34100
Airbus A319-100 (Models 13x)	Commercial	33840	34100
<i>Airbus A320-100 (Models 11x)</i>	<i>Commercial</i>	<i>37570</i>	<i>33910</i>
<i>Airbus A320-100 (Models 13x)</i>	<i>Commercial</i>	<i>37570</i>	<i>33910</i>
<i>Airbus A320-200 (Models 21x)</i>	<i>Commercial</i>	<i>37570</i>	<i>33910</i>
<i>Airbus A320-200 (Models 23x)</i>	<i>Commercial</i>	<i>37570</i>	<i>33910</i>
<i>Airbus A321-200 (Model 211)</i>	<i>Commercial</i>	<i>44510</i>	<i>34092</i>
Airbus A321-200 (Models 231 & 232)	Commercial	44510	34092
Airbus A330-300	Commercial	63680	60300
<i>Airbus A340-200 (Models 21x)</i>	<i>Commercial</i>	<i>59420</i>	<i>60300</i>
<i>Airbus A340-300 (Models 31x)</i>	<i>Commercial</i>	<i>63600</i>	<i>60300</i>
<i>Airbus A340-500</i>	<i>Commercial</i>	<i>67929</i>	<i>63449</i>
<i>Airbus A340-600</i>	<i>Commercial</i>	<i>75360</i>	<i>63449</i>
<i>Airbus A380-800 (Model 841)</i>	<i>Commercial</i>	<i>72571</i>	<i>79973</i>
<i>Airbus A380-800 (Model 843F)</i>	<i>Commercial</i>	<i>72571</i>	<i>79973</i>
<i>Airbus A380-800 (Model 861)</i>	<i>Commercial</i>	<i>72571</i>	<i>79973</i>
<i>Airbus A380-800 (Model 863F)</i>	<i>Commercial</i>	<i>72571</i>	<i>79973</i>
Airbus A380-900	Commercial	79450	79973
<i>Boeing 707-120B</i>	<i>Commercial</i>	<i>44045</i>	<i>39876</i>
Boeing 707-320	Commercial	46610	44437
<i>Boeing 707-320B / 320C</i>	<i>Commercial</i>	<i>46610</i>	<i>44437</i>
<i>Boeing 707-420</i>	<i>Commercial</i>	<i>46610</i>	<i>44437</i>
<i>Boeing 717-200</i>	<i>Commercial</i>	<i>37815</i>	<i>28575</i>
<i>Boeing 727-100 / 100C</i>	<i>Commercial</i>	<i>42759</i>	<i>32945</i>
<i>Boeing 727-200</i>	<i>Commercial</i>	<i>46678</i>	<i>32945</i>
<i>Boeing 737-100</i>	<i>Commercial</i>	<i>28600</i>	<i>28350</i>
<i>Boeing 737-200</i>	<i>Commercial</i>	<i>30530</i>	<i>28350</i>
<i>Boeing 737-300</i>	<i>Commercial</i>	<i>33400</i>	<i>28880</i>
<i>Boeing 737-400</i>	<i>Commercial</i>	<i>36450</i>	<i>28880</i>
<i>Boeing 737-500</i>	<i>Commercial</i>	<i>31010</i>	<i>28880</i>
<i>Boeing 737-600</i>	<i>Commercial</i>	<i>31240</i>	<i>34310</i>
<i>Boeing 737-700</i>	<i>Commercial</i>	<i>33630</i>	<i>34310</i>
<i>Boeing 737-700 (with winglets)</i>	<i>Commercial</i>	<i>33630</i>	<i>35800</i>

<b>Aircraft</b>	<b>Type</b>	<b>Length (mm)</b>	<b>Wing span (mm)</b>
<i>Boeing 737-800</i>	<i>Commercial</i>	39470	34310
<i>Boeing 737-800 (with winglets)</i>	<i>Commercial</i>	39470	35800
<i>Boeing 737-900</i>	<i>Commercial</i>	42110	34310
<i>Boeing 737-900 (with winglets)</i>	<i>Commercial</i>	42110	35800
<i>Boeing 737 BBJ</i>	<i>Commercial</i>	33630	35800
<i>Boeing 737 BBJ2</i>	<i>Commercial</i>	39470	35800
<i>Boeing 747-100</i>	<i>Commercial</i>	70663	59639
<i>(Body gear steering operative)</i>			
<i>Boeing 747-100</i>	<i>Commercial</i>	70663	59639
<i>(Body gear steering inoperative)</i>			
<i>Boeing 747-200</i>	<i>Commercial</i>	70663	59639
<i>(Body gear steering operative)</i>			
<i>Boeing 747-200</i>	<i>Commercial</i>	70663	59639
<i>(Body gear steering inoperative)</i>			
<i>Boeing 747-300</i>	<i>Commercial</i>	70663	59639
<i>(Body gear steering operative)</i>			
<i>Boeing 747-300</i>	<i>Commercial</i>	70663	59639
<i>(Body gear steering inoperative)</i>			
<i>Boeing 747-400</i>	<i>Commercial</i>	70663	59639
<i>(Body gear steering operative)</i>			
<i>Boeing 747-400</i>	<i>Commercial</i>	70663	59639
<i>(Body gear steering inoperative)</i>			
<i>Boeing 747-8 Intercontinental</i>	<i>Commercial</i>	74200	68400
<i>(Body gear steering operative)</i>			
<i>Boeing 747-8 Intercontinental</i>	<i>Commercial</i>	74200	68400
<i>(Body gear steering inoperative)</i>			
<i>Boeing 747-8 Freighter</i>	<i>Commercial</i>	76300	68400
<i>(Body gear steering operative)</i>			
<i>Boeing 747-8 Freighter</i>	<i>Commercial</i>	76300	68400
<i>(Body gear steering inoperative)</i>			
<i>Boeing 757-200</i>	<i>Commercial</i>	47320	38050
<i>Boeing 757-300</i>	<i>Commercial</i>	54430	38050
<i>Boeing 767-200</i>	<i>Commercial</i>	48511	47635
<i>Boeing 767-300</i>	<i>Commercial</i>	54931	47635
<i>Boeing 767-400</i>	<i>Commercial</i>	62051	51990
<i>Boeing 777-200</i>	<i>Commercial</i>	63730	60929
<i>Boeing 777-300</i>	<i>Commercial</i>	73860	60929
<i>Boeing 787-8 Intercontinental</i>	<i>Commercial</i>	74200	60120
<i>BAe/Aerospatiale Concorde</i>	<i>Commercial</i>	62610	25600
<i>BAe 146-200</i>	<i>Commercial</i>	28580	26340
<i>BAe 146-300</i>	<i>Commercial</i>	30990	26336
<i>BAe ATP</i>	<i>Commercial</i>	26009	30639
<i>BAe Jetstream J31</i>	<i>Commercial</i>	14370	15850
<i>BAe Jetstream J31 Super</i>	<i>Commercial</i>	14370	15850
<i>BAe Jetstream J41</i>	<i>Commercial</i>	19218	18290
<i>Bombardier BD-700 Global Express</i>		30302	28649
<i>Canadair RJ-100</i>	<i>Commercial</i>	26770	21210
<i>Canadair RJ-200</i>	<i>Commercial</i>	26770	21210
<i>Canadair RJ-700</i>	<i>Commercial</i>	32513	23240
<i>Canadair Challenger CL600</i>	<i>Commercial</i>	26770	21210
<i>Dornier 228-201</i>	<i>Commercial</i>	16560	16972
<i>Dornier 228-212</i>	<i>Commercial</i>	16560	16972
<i>Dornier 328</i>	<i>Commercial</i>	21220	20981
<i>Dehavilland Dash 8-400</i>	<i>Commercial</i>	32840	28420

Aircraft	Type	Length (mm)	Wing span (mm)
Embraer EMB-120	Commercial	20000	19789
Embraer ERJ-135	Commercial	26304	20042
Embraer ERJ-140	Commercial	28424	20042
Embraer ERJ-145	Commercial	29844	20042
Embraer ERJ-170	Commercial	29900	26002
Embraer ERJ-175	Commercial	31680	26002
Embraer ERJ-190	Commercial	36240	28722
Embraer ERJ-195	Commercial	38670	28722
Falcon 100	Commercial	13877	13072
Falcon 900	Commercial	20210	19330
Fairchild Metro 3	Commercial	18091	17375
Fairchild Metro 23	Commercial	18091	17375
Lockheed L1010 Tristar 1	Commercial	54150	47346
Lockheed L1010 Tristar 100	Commercial	54150	47346
Lockheed L1010 Tristar 200	Commercial	54150	47346
Lockheed C-130H	Commercial	29790	40379
Lockheed C-130H-30	Commercial	34370	40410
<i>McDonnell Douglas DC8-61</i>	<i>Commercial</i>	<i>57100</i>	<i>45205</i>
<i>McDonnell Douglas DC8-63</i>	<i>Commercial</i>	<i>57100</i>	<i>45205</i>
<i>McDonnell Douglas DC8-71</i>	<i>Commercial</i>	<i>57100</i>	<i>45205</i>
<i>McDonnell Douglas DC8-73</i>	<i>Commercial</i>	<i>57100</i>	<i>45205</i>
<i>McDonnell Douglas DC9-15</i>	<i>Commercial</i>	<i>31797</i>	<i>27300</i>
<i>McDonnell Douglas DC9-41</i>	<i>Commercial</i>	<i>38281</i>	<i>28440</i>
<i>McDonnell Douglas DC9-51</i>	<i>Commercial</i>	<i>40675</i>	<i>28500</i>
<i>McDonnell Douglas DC10-10</i>	<i>Commercial</i>	<i>55500</i>	<i>47300</i>
<i>McDonnell Douglas DC10-30</i>	<i>Commercial</i>	<i>55000</i>	<i>50400</i>
<i>McDonnell Douglas DC10-40</i>	<i>Commercial</i>	<i>55000</i>	<i>50400</i>
<i>McDonnell Douglas MD11</i>	Commercial	61370	51770
<i>McDonnell Douglas MD81</i>	<i>Commercial</i>	<i>45061</i>	<i>32870</i>
<i>McDonnell Douglas MD82</i>	<i>Commercial</i>	<i>45061</i>	<i>32870</i>
<i>McDonnell Douglas MD83</i>	<i>Commercial</i>	<i>45061</i>	<i>32870</i>
<i>McDonnell Douglas MD87</i>	<i>Commercial</i>	<i>39747</i>	<i>32870</i>
<i>McDonnell Douglas MD88</i>	<i>Commercial</i>	<i>45061</i>	<i>32870</i>
<i>McDonnell Douglas MD90-30</i>	<i>Commercial</i>	<i>46510</i>	<i>32870</i>
McDonnell Douglas MD95-30	Commercial	No data	
SAAB 2000	Commercial	27280	24760
SAAB SF340A	Commercial	19730	21440
SAAB SF340B	Commercial	19730	21440
Shorts 360	Commercial	21590	22810
Tupolev TU-204	Commercial	46195	42000
Yak 42	Commercial	36384	34881
Falcon F-16C	Military	15030	10000
Grumman B-2A	Military	20999	52384
Lockheed Galaxy G5	Military	53035	51760
Lockheed Galaxy G5	Military	75300	67880
Beechcroft 1900C	Private	17628	16617
Beechcroft 300	Private	13364	16610
Beechcroft 400A	Private	14801	13250
Beechcroft 55	Private	8832	11531
Beechcroft B60	Private	10310	11969
Beechcroft C99	Private	13588	13983
Beechcroft Sierra	Private	7847	10008

<b>Aircraft</b>	<b>Type</b>	<b>Length (mm)</b>	<b>Wing span (mm)</b>
Beechcroft V35	Private	8059	10216
Cesna Caravan	Private	11454	15859
Cesna 172R	Private	8197	11000
Cesna Citation II	Private	14390	15900
Cesna Citation V (model 560 ultra)	Private	14900	15960
Cesna Citation X	Private	22050	19380
Gulfstream IV	Private	26910	23720
Gulfstream V	Private	29374	28500
Hawker 800xp	Private	15600	15660
Learjet 31A	Private	14830	13330
Learjet 45	Private	17810	14579

The vehicles listed below are typical of those found within airport environments. Many of these vehicles are oversize since they do not operate on public highways.

<b>Vehicle</b>	<b>Type</b>	<b>Length (mm)</b>	<b>Width (mm)</b>
Charlotte T135 electric tug & 3 baggage trailers	Support>Baggage	15335	1760
Contrac Cobus 2400	Support>Buses	8300	2400
Contrac Cobus 2700-S	Support>Buses	12000	2718
Contrac Cobus 2700	Support>Buses	13780	2718
Contrac Cobus 3000	Support>Buses	13780	3000
Crew coach (22 person)	Support>Buses	7620	2910
DAF Optare EXCEL L1150	Support>Buses	11553	2490
Neoplan Apron Bus Model 9022	Support>Buses	12920	3160
Neoplan Metroliner AN340/3 (40')	Support>Buses	12192	2591
Neoplan Metroliner AN340/3 (45')	Support>Buses	13716	2591
Neoplan Transliner AN435	Support>Buses	10668	2438
Neoplan Transliner AN435LF	Support>Buses	10668	2591
Neoplan Transliner AN440	Support>Buses	12192	2591
Neoplan Transliner AN440LF	Support>Buses	12192	2591
Neoplan Transliner AN440TLF	Support>Buses	12192	2591
Neoplan Transliner AN445TLF	Support>Buses	13716	2591
Oshkosh TI-1500 Aircraft Rescue & Firefighting Vehicle	Support>Fire	9525	2921
Oshkosh TI-3000 Aircraft Rescue & Firefighting Vehicle	Support>Fire	11074	2921
Oshkosh TI-4500 Aircraft Rescue & Firefighting Vehicle	Support>Fire	13462	2921
Rampmaster 10,000 LowPro Tanker	Support>Fuel	13106	3352
Rampmaster 10,000 WD Standard	Support>Fuel	13306	2743
Rampmaster 11,500 WD Standard	Support>Fuel	15145	3048
Rampmaster 15,000 WD Standard	Support>Fuel	15145	3048
Rampmaster 17,500 WD Standard	Support>Fuel	16408	3048
Rampmaster 3,000 Standard	Support>Fuel	7845	2565
Rampmaster 5,000 Standard	Support>Fuel	10096	2565
Rampmaster 7,000 RJ Standard	Support>Fuel	11627	2591
Rampmaster 7,000 WD Standard	Support>Fuel	12014	2743
Douglas Kalmar Tugmaster TBL-280	Support>Tugs	8090	3400
Douglas Kalmar Tugmaster TBL-400	Support>Tugs	8955	6034
Douglas Tugmaster DC12-44	Support>Tugs	9100	3050
GHH Fahrzeuge Aircraft Mover AM110	Support>Tugs	6610	2900
GHH Fahrzeuge Aircraft Mover AM210 (Wide)	Support>Tugs	8030	3790
GHH-Fahrzeuge Aircraft Mover AM350	Support>Tugs	8770	4100
GHH-Fahrzeuge Aircraft Mover AM500	Support>Tugs	9100	4200