

# WHAT OUR DRAWINGS TELL OPERATORS

THE operators' reference drawing below is one of 22 "Flight International" copyright drawings distributed through this special feature. The intention is to show the tasks for which the more important commercial aircraft are suited and some of the features that are in constant use when the aircraft is in service. Approximately to scale, the drawings provide a quick reference to cabin dimensions, doors, refuelling points and other details; tints have been used to show the limits of pressurized areas (fine dots), under-floor holds (parallel lines), and above-floor holds (sandy texture).

The standard key (right) applies to all the drawings, though not every item is to be found on every drawing. Incomplete annotation on some of the newer aircraft is inevitable, because detail design may not have been finalized. Absence of a particular key number from a drawing does not necessarily imply that the appropriate item is not to be found on the aircraft. Volumes and linear dimensions are indicated. Seating illustrated in the cross-sections is a typical layout shown by the manufacturer (the sketches do not represent any particular make of seat). Fuselage doors are indicated on each section, and heavy lines show if they are of the inward- or outward-opening variety.

- |                                   |                                       |                                  |
|-----------------------------------|---------------------------------------|----------------------------------|
| 1 Pressure bulkheads              | 52 Hydraulic-fluid filler             | 101 Ground de-icing connection   |
| 2 Passenger door                  | 53 Pressure-accumulator point         | 102 Hinged/removable l.e.        |
| 3 Crew door                       | 54 HF                                 | 103 Trim gear access             |
| 4 Service door                    | 55 VHF                                | 104 Screen-wiper pumps filler    |
| 5 Emergency door                  | 56 VOR                                | 105 Spares stowage area          |
| 6 Emergency window or hatch       | 57 DME                                | 106 Periscopic sextant           |
| 7 Cargo doors                     | 58 ADF                                | 107 Pneumatic reservoir          |
| 8 Fixed toilets                   | 59 Radio altimeter                    | 108 De-icing fluid tank          |
| 9 Electronics equipment           | 60 General access panel               | 109 Liquid de-icing              |
| 10 Galley, pantry or buffet       | 61 ILS                                | 110 Spoilers                     |
| 11 Main-undercarriage well        | 62 Loran                              | 111 Freight-lashing points/rails |
| 12 Nosewheel well                 | 63 Electrical equipment               | 112 Freight-lashing access panel |
| 13 Reverse-pitch propellers       | 64 Hydraulic equipment                | 113 Steering angle               |
| 14 Trimming tanks                 | 65 Air-conditioning equipment         | 114 Freight winch                |
| 15 Integral fuel tanks            | 66 Fire-suppression bottles           | 115 Loading supports             |
| 16 Bag tanks                      | 67 Dripsticks                         | 116 Teletype loop                |
| 17 Thrust reversers               | 68 Fuel tank access                   | 117 Doppler                      |
| 18 Noise suppressors              | 69 Booster pump access                | 118 Decca                        |
| 19 Escape chutes                  | 70 Gauge unit access                  | 119 UHF                          |
| 20 Escape ropes                   | 71 Feed tank/pump sump                | 120 TACAN                        |
| 21 Folding entry stairs           | 72 Landing lamp                       | 121 Automatic-landing aerial     |
| 22 Jacking points                 | 73 Taxi lamp/ground floodlight        | 122 APU intake and exhaust       |
| 23 Towing points                  | 74 Landing/taxi lamp                  | 123 APU access                   |
| 24 Water-methanol tank            | 75 Anti-collision beacon              | 124 Combustion-heater access     |
| 25 Water tanks                    | 76 Icing inspection lamps             | 125 Cabin air compressor         |
| 26 Dinghy stowage                 | 77 Flap gear access                   | 126 Safety-line fittings         |
| 27 De-icing air in/out            | 78 Control-lock jack access           | 127 Window size (inches)         |
| 28 Intake to air conditioning     | 79 Other aeriels                      | 128 Freight-door handle          |
| 29 Electrical de-icing            | 80 Generator                          | 129 Door jack                    |
| 30 Seat rails                     | 81 Bleed door                         | 130 Electric windscreen wipers   |
| 31 De-icing system access         | 82 Thermocouples                      | 131 Fuel-tank vent               |
| 32 Hydraulic tank                 | 83 Engine hoist                       | 132 Alternator                   |
| 33 Fuel jettison                  | 84 Movable bulkhead                   | 133 ATC aerial                   |
| 34 Batteries                      | 85 Weather/nav. radar                 | 134 Floor loading (lb/sq ft min) |
| 35 Anti-skid device               | 86 Flying control access              | 135 Ball-mats (freight loading)  |
| 36 Air brakes                     | 87 Flying control power unit access   | 136 Diplomatic-mail locker       |
| 37 Captain                        | 88 Auxiliary gearbox                  | 137 Lift dumper                  |
| 38 First officer                  | 89 Ground intercom. socket            | 138 Drop-out ram-air turbine     |
| 39 First officer/navigator        | 90 External electrical supply         | 139 Drooping leading edge        |
| 40 Navigator                      | 91 Ground air-conditioning connection | 140 Hot air de-icing             |
| 41 Engineer                       | 92 Fire access                        | 141 Pallet tracks                |
| 42 Radio operator                 | 93 Access to structural joint         | 142 Leading-edge slats           |
| 43 Light-alloy fuel tank          | 94 Access to gyro compass unit        | 143 Supernumerary crew           |
| 44 Gravity fuel fillers           | 95 Compass detector unit              | 144 Flight-recorder              |
| 45 Pressure refuelling/defuelling | 96 Picketing points                   | 145 Pneumatic starter point      |
| 46 Oil fillers                    | 97 Toilet servicing points            | 146 Leading-edge flap            |
| 47 Water fillers                  | 98 Fuel pipe access                   | 147 Flares                       |
| 48 Water/methanol fillers         | 99 Engine access                      | 148 Crew-rest area               |
| 49 Oxygen containers              | 100 Jetpipe access                    | 149 End-loading entry dimen.     |
| 50 Oxygen filler                  |                                       | 150 Pneumatic de-icing           |
| 51 Windscreen de-icing filler     |                                       | 151 Auto-feathering pitot        |

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AVIATION TRADERS CARVAIR "Flight International" operators reference drawing (key above)

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