**Specifications (Freighter Mk 32)**

*Data from* [[8]](http://en.wikipedia.org/wiki/Bristol_Freighter#cite_note-8)

**General characteristics**

* **Crew:** two
* **Length:** 73 ft 4 in (22.4 m)
* **Wingspan:** 108 ft 0 in (32.92 m)
* **Height:** 25 ft 0 in (7.62 m)
* **Wing area:** 1487 ft2 (138.13 m2)
* **Empty weight:** 29,950 lb (13,404 kg)
* **Gross weight:** 44,000 lb (19,958 kg)
* **Powerplant:** 2 × [Bristol Hercules 734](http://en.wikipedia.org/wiki/Bristol_Hercules) 14-cylinder sleeve-valve radial piston engine, 1,980 hp (1,476 kW) each each

**Performance**

* **Maximum speed:** 225 mph (362 km/h)
* **Range:** 820 miles (1,320 km)
* **Service ceiling:** 24,500 ft (7,470 m)

Aviastar

|  |  |
| --- | --- |
| **Specification** |  |

|  |  |  |
| --- | --- | --- |
| CREW | 3 | |
| PASSENGERS | 44-56 | |
| ENGINE | 2 x Bristol "Hercules 734", 1455kW | |
| WEIGHTS | | |
| Take-off weight | 19967 kg | 44020 lb |
| Empty weight | 12415 kg | 27371 lb |
| DIMENSIONS | | |
| Wingspan | 32.9 m | 108 ft 11 in |
| Length | 20.8 m | 68 ft 3 in |
| Height | 8.6 m | 28 ft 3 in |
| Wing area | 138.1 m2 | 1486.49 sq ft |
| PERFORMANCE | | |
| Max. speed | 360 km/h | 224 mph |
| Cruise speed | 254 km/h | 158 mph |
| Ceiling | 7000 m | 22950 ft |
| Range w/max.fuel | 3800 km | 2361 miles |
| Range w/max.payload | 1200 km | 746 miles |

Airliners.net

|  |  |
| --- | --- |
| **Powerplants** |  |

|  |
| --- |
| http://cdn-www.airliners.net/graphics/clear.gif |

Mk31 - Two 1475kW (1980hp) Bristol Hercules 734 14-cylinder sleeve valve radial piston engines driving four blade propellers.

|  |  |
| --- | --- |
| **Performance** |  |

|  |
| --- |
| http://cdn-www.airliners.net/graphics/clear.gif |

Mk31 - Max cruising speed 311km/h (168kt) at 10,000ft, economical cruising speed 262km/h (141kt). Range with max payload 1320km (715nm), range with max fuel 2785km (1505nm).

|  |  |
| --- | --- |
| **Weights** |  |

|  |
| --- |
| http://cdn-www.airliners.net/graphics/clear.gif |

Mk31 - Empty 12,247kg (27,000lb), max takeoff 19,958kg (44,000lb).

|  |  |
| --- | --- |
| **Dimensions** |  |

|  |
| --- |
| http://cdn-www.airliners.net/graphics/clear.gif |

Mk31 - Wing span 32.92m (108ft 0in), length 20.83m (68ft 4in), height 6.56m (21ft 6in). Wing area 138.0m2 (1487sq ft).

|  |  |
| --- | --- |
| **Capacity** |  |

|  |
| --- |
| http://cdn-www.airliners.net/graphics/clear.gif |

Mk31 - Payload of 5670kg (12,500lb), or alternatively seating for 15 to 23 passengers, depending on configuration.   
Mk32 - could seat up to 60 passengers.

|  |  |
| --- | --- |
| **Production** |  |

|  |
| --- |
| http://cdn-www.airliners.net/graphics/clear.gif |

Total Bristol 170 production 214 aircraft. In late 1998 one example was in commercial service in Canada with Hawkair Aviation Services in British Colombia who was restoring a second machine.

Da http://www.aer.ita.br/~bmattos/mundo/airliner/bristol170.htm

|  |
| --- |
| **Data (Bristol 170 Mk 21)** |
| * TYPE: Freight and passenger transport. * COUNTRY OF ORIGIN: Britain * ENGINES: 2x Bristol Hercules 672 engines of 1,690 hp / 1260 kW each. * DIMENSIONS:   + Wing span: 108 ft 0 in / 32.94 m.   + Length: 68 ft 4 in / 68.33 m   + Height: 21 ft 8 in / 21.66 m * WEIGHTS:   + Empty: 26,484 lb / 12,024 kg   + Max. takeoff: 40,000 lb / 18,160 kg * PERFORMANCE:   + Max. speed: 169 kt / 314 km/h   + Cruise: 143 kt / 265 km/h   + Service ceiling: 21,000 ft.   + Initial climb; 1,000 ft / 305 km per min.   + Range max. payload: 780 nm / 1,450 km   + Range max. fuel: 3,800 km * CAPACITY: Typically 2 small/medium cars and 15 passengers; or up to 32 passengers or freight. |

Da rivista dell’epoca: serbatoio = 1172 imp gal = 3844kg

Da altra rivista dell’epoca: payload per Mk32 = 12000lb = 5443kg

Da rivista del settore: lunghezza pista decollo: SL, ISA = 3.700feet.

Dati Wikipedia English (Modello 170, indipendentemente dalla versione)

Intro date: 04/46

Retire date: 03/58