



Turning Radius and Ground Handling Information DC-3 to DC-7

	DC-3	DC-4	DC-6 Domestic	DC-6A	DC-6A	DC-6B	R6D-1/ C118-A	DC-7	DC-7B	DC-7C	DC-7C
Wing Span (FT)	95	117.5	117.5	117.5	117.5	117.5	117.5	117.5	117.5	127.5	127.5
Overall Length of the Aircraft (FT)	64.5	93.9	100.6	105.6	105.6	105.6	105.6	108.9	108.9	112.3	112.3
Overall Height of Aircraft at Tail (FT)	23.5	27.6	28.7	28.7	28.7	28.7	28.7	28.6	28.6	30.8	30.8
Centerline of Main Gear Wheels to Centerline of Nose Gear Wheel (FT)	37.9	27.4	31.1	36.2	36.2	36.2	36.2	36.2	36.2	39.5	39.5
Takeoff Weight (Max Gross) (LBS)	25,200	73,000	95,200	100,000	107,000	107,000	107,000	122,200	126,000	140,000	143,000
Landing Weight (Max Gross) (LBS)	24,400	58,200	78,000	85,000	88,200	88,200	88,200	97,000	102,000	109,000	111,000
Number of Wheels in Main Gear (one side)	1	2	2	2	2	2	2	2	2	2	2
Tire Size Main Wheels	17.00 x 16 10PR	44 x15.50 - 20	44 x15.50 - 20	44 x15.50 - 20	44 x15.50 - 20	44 x15.50 - 20	44 x15.50 - 20	44 x 17 - 20	44 x 17 - 20	44 x 17 - 20	44 x 17 - 20
Main Gear Tire Pressure (PSI)	50	83	101	108	117	117	117	136	140	139	139
Maximum Load on Each Main Wheel (LBS) (Aft C.G.)	11,800	17,680	22,733	23,133	25,700	25,700	25,700	29,200	29,700	33,400	33,500
Footprint (Tire Surface on Ground) each Main Wheel (SQ IN) (Max Takeoff Gross) (Aft C.G.)	235	214	225	220	220	220	220	224	215	241	242
Distance Between Main Gear Struts (FT)	18.5	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	34.7	34.7
Wheel Spacing (One Side) (IN) Main Gear	---	30.0	30.8	see note 1	see note 1	see note 1	28.8	29.8	29.8	29.8	29.8
Number of Wheels in Nose Gear	1 (T)	1	1	1	1	1	1	1	1	1	1
Tire Size Nose Wheel	9.00 x 6(T) 8PR	44 x15.50 - 20	44 x15.50 - 20	44 x15.50 - 20	44 x15.50 - 20	44 x15.50 - 20	44 x15.50 - 20	44 x 17 - 20	44 x 17 - 20	44 x 17 - 20	44 x 17 - 20
Nose Gear Tire Pressure (PSI)	57 (T)	66	77	77	77	77	77	94	94	77	77
Maximum Load on Nose Wheel (LBS) (Fwd C.G.)	3,270 (T)	10,400	11,950	12,300	12,360	12,850	12,850	14,340	14,340	14,200	14,200
Footprint (Tire Surface on Ground) each Nose Wheel (SQ IN) (Max Takeoff Gross) (Fwd C.G.)	57 (T)	158	155	160	160.5	167	167	157.5	153	185	189
Maximum Angle Nose Wheel Can Turn From Centerline of Aircraft	---	45	67	67	67	67	67	71	71	66	66
Turn Center to Aircraft Centerline (FT)	---	27.4	13.2	15.4	15.4	15.4	15.4	12.5	12.5	17.6	17.6
Turning Center to Inner Main Wheels (FT)	---	15.1	10.0	3.0	3.0	3.0	3.0	0.2	0.2	0.0	0

Note 1: with Goodyear Wheels Brakes 30.75
with Goodrich Wheels Brakes 28.75

Most Data Sourced From Douglas Aircraft
Drawing # 3610378, Dated 9 December 1955

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