

July 27, 1951

DIRECTORS OF
AMERICAN AIRLINES, INC.

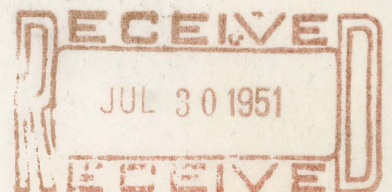
Cargo Airplanes

Enclosed is comparative performance data for the DC6-A Airfreighter and the DC-4 Airfreighter. The DC6-A Airfreighter has a payload capacity of approximately 27,500 lbs. as compared to 17,700 lbs. for the DC-4 Airfreighter.

Our figures indicate that the DC6-A will have a Direct Flight Expense of 8¢ per available ton mile as compared to 10¢ for the DC-4. Comparable Ground Expenses are estimated at 7.2¢ and 8.5¢ respectively. Total Operating Costs of the DC6-A would be 15.2¢ per available ton mile as compared to 18.6¢ for the DC-4 Airfreighter. This is a reduction of approximately 20% in ton mile cost and reduces the load factor necessary to break even from 82.9% to 67.9% for cargo schedules.

The DC6-A will cruise at 305 miles per hour as compared to 230 miles per hour for the DC-4 Airfreighter. The most important advantage of the improved speed of the DC6-A is that it will enable American Airlines to schedule flights leaving the east coast at 11:00 p.m., and yet still provide first morning delivery to the west coast. We cannot do this with the present DC-4 equipment. With this increased speed, the freighter schedules will carry more mail and express and thereby increase the average return per ton mile for traffic on freighters. Over the lifetime of the airplane, this will be an important revenue factor, improving the profitability of the freight service.


Wm. J. Hogan



American Airlines, Inc.

Comparative Performance (System)
DC6-A - DC4-AF

	<u>DC6-A</u>	<u>DC4-AF</u>
Gross Takeoff Weight	106,000 lbs.	73,000 lbs.
Average Payload Capacity	27,500 lbs.	17,700 lbs.
Average Cruising Speed	305	230
Direct Flight Costs:		
Per Available Ton Mile	8.0¢	10.1¢
Ground & Indirect Flight Costs:		
Per Available Ton Mile	7.2¢	8.5¢
Total Operating Costs:		
Per Available Ton Mile	15.2¢	18.6¢
Breakeven Load Factor	67.9%	82.9%

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