

Airline	Aircraft Type	Type of Aircraft	Class	Seats/Dept.	Avg. Aircraft Utilization/Day - Departures
Overall	Jet	777	> 150	262	1.5
Overall	Jet	767-400	> 150	250	1.9
Overall	Jet	747-400	> 150	367	1.3
Overall	Jet	757-200	> 150	180	3
Overall	Jet	767-300/ER	> 150	223	1.9
Overall	Jet	757-300	> 150	220	3.3
Overall	Jet	A330-200	> 150	281	1.7
Overall	Jet	A321	> 150	184	3.1
Overall	Jet	737-900	> 150	171	3.6
Overall	Jet	767-200/ER	> 150	170	1.8
Overall	Jet	MD80	> 95 & < 150	140	3.9
Overall	Jet	737-400	> 95 & < 150	138	4.6
Overall	Jet	A320	> 95 & < 150	149	3.8
Overall	Jet	737-800	> 150	155	3.5
Overall	Jet	A319	> 95 & < 150	128	4.3
Overall	Jet	737-700/LR	> 95 & < 150	135	5.6
Overall	Jet	737-300	> 95 & < 150	132	5.3
Overall	Jet	737-500	> 95 & < 150	114	4.6
Overall	Jet	717-200	> 95 & < 150	111	6
Overall	Regional Jet	CRJ 700	< 95	68	5.4
Overall	Regional Jet	CRJ 900	< 95	80	5.3
Overall	Regional Jet	ERJ-135	< 95	37	5.5
Overall	Regional Jet	ERJ145	< 95	50	5.8
Overall	Regional Jet	CRJ 100/200	< 95	50	5.7
Overall	Regional Jet	ERJ-190	> 95 & < 150	100	4.6
Overall	Turboprop	Saab 340B	< 95	34	6.8
Overall	Turboprop	ATR 72	< 95	65	3.8

Best < 95  
Best > 95 & < 150  
Best > 150

Block Hours	Fuel/Hr/ Seat	Total
13.2	8.15648855	8
13.8	6.828	6.2
12.5	9.054495913	7.7
10.5	5.772222222	7.3
12.3	6.959641256	7.1
12	5.459090909	6.3
13.4	6.612099644	6.3
10.8	5.391304348	6.4
10.6	4.801169591	6.3
11.8	8.388235294	8.5
9.1	6.6	8.9
9.2	5.688405797	9.3
11.2	5.268456376	7.3
11.2	5.058064516	6.6
10.8	5.609375	8.3
11.6	5.162962963	6
9.5	5.606060606	8.8
9.4	6.114035088	9.9
10.2	6.027027027	9.9
10	5.279411765	9.8
9.9	5.7625	8.3
9.1	9.567567568	15.7
10.3	6.2	8.8
8.9	6.16	12.5
9.6	5.88	9.7
8.2	4.294117647	19.3
4.7	2.984615385	18.7

AIRCRAFT\_TYPE 694

Values

Row Labels	Sum of Crew	Sum of Fuel	Sum of Maintenance	Sum of Total
2005				
JetBlue Airways	100854.35	485595.11	80944.43	937575.15
Northwest Airlines Inc.	113499	359469	118239	874402
United Air Lines Inc.	113969	538517	156345	1119776
2008				
JetBlue Airways	159848.05	1126823.37	130690.98	1784230.36
Northwest Airlines Inc.	93476	701864	119326	1141323
United Air Lines Inc.	116416	829212	213764	1683120

	2005	Crew \$/hr	Fuel \$/hr	Maint \$/hr	Total \$/hr
JetBlue Airways	\$	305.16	\$ 1,469.27	\$ 244.92	\$ 2,836.84
Northwest Airlines Inc.	\$	514.80	\$ 1,630.47	\$ 536.30	\$ 3,966.08
United Air Lines Inc.	\$	335.02	\$ 1,582.99	\$ 459.58	\$ 3,291.62

	2008	Crew \$/hr	Fuel \$/hr	Maint \$/hr	Total \$/hr
JetBlue Airways	\$	376.51	\$ 2,654.16	\$ 307.83	\$ 4,202.64
Northwest Airlines Inc.	\$	451.34	\$ 3,388.85	\$ 576.15	\$ 5,510.71
United Air Lines Inc.	\$	316.75	\$ 2,256.18	\$ 581.62	\$ 4,579.54

% Diff	Crew \$/hr	Fuel \$/hr	Maint \$/hr	Total \$/hr
JetBlue Airways	23%	81%	26%	48%
Northwest Airlines Inc.	-12%	108%	7%	39%
United Air Lines Inc.	-5%	43%	27%	39%

Observations from this data:

- LCCs cost factors are less than NLCs
- Gaps between LCC and NLC closing
- Average Crew Cost per hour closer
- Could be due to NLC restructuring
- Average Fuel Cost per hour increase different
- United must have changed operations to become more efficient
- Northwest must have contracted fuel poorly compared to others
- Average Maint cost per hour different
- Even though NWA had the smallest growth it still has the highest
- Maint contracting may not be included

Sum of AIR\_FUELS\_ISSUED      Sum of TOTAL\_AIR\_HOURS

301929.32	330.5
208828.29	220.47
316390.08	340.19
377690.61	424.55
195052.78	207.11
283401.31	367.53

Gal/ hr (Burn Rate)

913.55	\$	1.00
947.20	\$	1.00
930.04	\$	1.00

Gal/ hr (Burn Rate)

889.63	\$	1.00
941.78	\$	1.00
771.10	\$	1.00

Gal/ hr (Burn Rate)

-3%  
-1%  
-17%

re fuel efficient (Burn Rate -17%)  
d to other airlines

the largest maint cost factor

Crew	Fuel	Maintenan	Total	TOTAL_AIR	AIR_FUELS	AIRCRAFT_	UNIQUE_C	YEAR
2154	2877	477	8340	1.66	2074.33	622	Northwest	2005
29652	72473	23387	195699	55.41	51953.26	694	Northwest	2005
22744.86	86556.52	17454.3	190456.2	73.47	66281.45	694	JetBlue Air	2005
26485	117071	37020	251041	78.4	72929.68	694	United Air	2005
32753	155971	63406	346665	81.15	96133.07	622	United Air	2005
18400	54673	15544	150707	33.75	39429.83	622	Northwest	2005
2647	10367	3490	23538	8.38	7597.12	694	United Air	2005
902	4179	2069	9968	2.34	2820.81	622	United Air	2005
25231	98484	31711	226597	76.64	70566.29	694	United Air	2005
29062	121006	64396	308095	74.02	87053.62	622	United Air	2005
23653.17	109574.7	17226.02	217618.1	80.33	73572.01	694	JetBlue Air	2005
360.2	1668.65	262.33	3313.98	1.11	817.73	694	JetBlue Air	2005
2282	3808	544	8655	1.74	2187.18	622	Northwest	2005
18990	70786	17025	162174	36.64	43300.64	622	Northwest	2005
28812	86521	25885	216497	56.25	53347.95	694	Northwest	2005
2417	10901	3597	22994	7.43	6832.4	694	United Air	2005
536	2836	1064	5960	1.35	1645.42	622	United Air	2005
8	38	12	78	0.03	22.07	694	United Air	2005
34549	200320	53315	385963	85.27	100752.1	622	United Air	2005
447	2838	705	5233	1.13	1386.48	622	United Air	2005
2164	11812	3271	22928	6.55	6015.59	694	United Air	2005
19809	81363	32192	194271	36.69	43939.32	622	Northwest	2005
30015	100233	37226	241507	55.76	53921.7	694	Northwest	2005
2318	4160	1041	10028	1.77	2227.2	622	Northwest	2005
26340.25	137958	24250.49	257888.4	87.17	81006.63	694	JetBlue Air	2005
33043	187660	57779	369150	85.53	103326.1	622	United Air	2005
26525	141785	37953	279058	76.65	70733.38	694	United Air	2005
26371	136919	36185	271751	79.37	75361.78	694	United Air	2005
17	92	29	179	0.06	50.91	694	United Air	2005
477	2838	863	5471	1.26	1546.33	622	United Air	2005
2104	11048	3077	21612	6.68	6280.86	694	United Air	2005
14458	69168	26266	159516	29.28	34336.02	622	Northwest	2005
25020	100242	31741	220699	53.05	49605.38	694	Northwest	2005
3292	7792	1798	16769	3.41	4047.6	622	Northwest	2005
27755.87	149837.3	21751.29	268298.5	88.42	80251.5	694	JetBlue Air	2005
32781	250646	84044	470522	90.33	92311.44	622	United Air	2008
26049	182661	51221	340396	84.54	64897.74	694	United Air	2008
15819	111863	34189	189972	33.9	39823.23	622	Northwest	2008
698	5699	1850	10387	1.94	2028.9	622	United Air	2008
3241	23367	6695	42756	10.57	8275.65	694	United Air	2008
24667	142607	29854	251667	54.03	50614.7	694	Northwest	2008
2215	16507	5201	30010	5.51	6038.55	622	Northwest	2008
3090	13226	3903	24490	4.14	4896.1	622	Northwest	2008
40074.57	261417.8	34299.7	428745.9	111.69	98881.33	694	JetBlue Air	2008
37741	295269	81829	524462	93.5	92754.99	622	United Air	2008
27113	219919	50058	375359	88.86	68671.23	694	United Air	2008

40618.31	327777.6	33081.21	492290	104.15	95728.78	694 JetBlue Air	2008
602	5261	1398	8975	1.49	1624.15	622 United Air l	2008
2270	18832	4396	31768	7.42	5888.47	694 United Air l	2008
15301	114290	25147	181777	33.27	39140.53	622 Northwest	2008
23353	149261	27418	254522	54.43	51454.84	694 Northwest	2008
39195.09	307998.3	33823.12	470642.6	109.87	96944.18	694 JetBlue Air	2008
3839	28582	6228	47824	8.96	10008.94	622 Northwest	2008
3371	13254	2838	23476	4.03	4857.89	622 Northwest	2008
22128	181798	33293	300385	47.99	44366.11	694 Northwest	2008
2913	26787	6044	46894	5.78	6436.51	622 Northwest	2008
5164	23627	5490	44939	5.28	6010.79	622 Northwest	2008
15624	171215	27064	238338	29.77	35361.66	622 Northwest	2008
23328	228198	28761	334749	50.66	48617.13	694 Northwest	2008
34483	399496	82813	652040	95.43	95236.41	622 United Air l	2008
27211	281272	47907	471028	86.91	67163.49	694 United Air l	2008
3976	50264	8063	72739	9.45	10720.87	622 Northwest	2008
3893	23099	3844	35125	4.44	5193.95	622 Northwest	2008
326	4700	811	6418	0.96	1025.82	622 United Air l	2008
11776	98555	23758	161887	21.22	24141.23	622 Northwest	2008
1728	20058	3263	28903	5.68	4532.48	694 United Air l	2008
34659	108876	66883	537947	87.42	87420.34	622 United Air l	2008
27331	80469	47576	374677	79.34	60695.05	694 United Air l	2008
219	336	399	2770	0.55	536.68	622 United Air l	2008
1473	2634	2648	18233	4.21	3277.2	694 United Air l	2008
38252.86	219819.4	28227.22	375855.5	94.32	82458.23	694 JetBlue Air	2008
1707.22	9810.38	1259.73	16696.42	4.52	3678.09	694 JetBlue Air	2008



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