

JACDEC SAFETY ANALYSIS

AIRLINE RISK RANKING 2022

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All airlines in this document are compared by their flying performance measured in Revenue Passenger Kilometres (RPK). We limited the amount of airlines to 25 for each ranking table. All data below is based on year-end 2021 data and may contain errors.

JACDEC gathered all relevant safety data of many airlines that may not been mentioned in this document.
In case your airline of interest is not among the below lists, we recommend to contact us on our website or seek for additional products that will give you all the needed information for sure.

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To obtain all necessary information about the JACDEC Safety Ranking methodology and to understand our approach to aviation safety, we strongly recommend to check our website. --> www.jacdec.de/jacdec-risk-index/



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JACDEC SAFETY ANALYSIS AIRLINE RISK RANKING 2022

VALIDITY PERIOD 2022-01-01 - 2022-12-31

ALL DATA AS OF 2022-01-01

TABLE 1 / 4 THE TOP 25 AIRLINES IN THE WORLD

RANK	Airline Name	Home Country	ICAO Code 1	Begin of Ops	Hull Losses ² since 1992			Fleet Age ²	Risk Index 2022
					Non-fatal ³	Fatal ³	Total No of Hull Losses ²		
1	Emirates	United Arab Emirates	UAE	1985	1	0	1	7,8	95,05%
2	KLM - Royal Dutch Airlines	Netherlands	KLM	1920	1	0	1	12,0	93,31%
3	JetBlue Airways	United States of America	JBU	2000	0	0	0	11,5	91,61%
4	Delta Air Lines	United States of America	DAL	1929	2	0	2	14,1	91,55%
5	EasyJet	United Kingdom	EZY	1996	0	0	0	8,5	91,28%
6	Air Canada	Canada	ACA	1937	2	0	2	8,8	90,90%
7	Southwest Airlines	United States of America	SWA	1971	3	0	3	12,5	90,11%
8	Spirit Airlines	United States of America	NKS	1980	0	0	0	6,8	89,73%
9	Ryanair	Ireland	RZR	1985	1	0	1	12,0	89,41%
10	Qatar Airways	Qatar	QTR	1994	0	0	0	7,3	89,24%
11	United Airlines	United States of America	UAL	1931	1	2	3	15,4	88,52%
12	Sichuan Airlines	China	CSC	1988	0	0	0	7,1	88,13%
13	Shenzhen Airlines	China	CSZ	1993	0	0	0	8,5	88,09%
14	Spring Airlines	China	CQH	2004	0	0	0	6,0	87,99%
15	British Airways	United Kingdom	BAW	1974	2	0	2	12,0	87,97%
16	IndiGo	India	IGO	2006	0	0	0	3,2	87,97%
17	Lufthansa	Germany	DLH	1955	1	1	2	10,4	87,90%
18	China Southern Airlines	China	CSN	1990	1	2	3	8,1	86,99%
19	Xiamen Airlines	China	CXA	1985	1	0	1	8,5	85,91%
20	China Eastern Airlines	China	CES	1988	0	1	1	7,6	85,25%
21	Air France	France	AFR	1933	2	3	5	14,5	84,82%
22	American Airlines	United States of America	AAL	1934	6	5	11	11,3	84,79%
23	Air China	China	CCA	1988	1	1	2	8,6	83,51%
24	Aeroflot - Russian Airlines	Russia	AFL	1992	5	2	7	5,8	76,82%
25	THY Turkish Airlines	Turkey	THY	1956	5	3	8	6,9	74,00%

TABLE 2 / 4 THE TOP 25 AIRLINES IN AFRICA + ASIA PACIFIC

RANK	Airline Name	Home Country	ICAO Code 1	Begin of Ops	Hull Losses ² since 1992			Fleet Age ²	Risk Index 2022
					Non-fatal ³	Fatal ³	Total No of Hull Losses ²		
1	Etihad Airways	United Arab Emirates	ETD	2003	0	0	0	5,6	95,12%
2	Emirates	United Arab Emirates	UAE	1985	1	0	1	7,8	95,05%
3	Cathay Pacific Airways	Hong Kong SAR	CPA	1946	0	0	0	7,2	91,71%
4	Singapore Airlines	Singapore	SIA	1972	0	1	1	5,0	90,98%
5	Capital Airlines	China	CBJ	1995	0	0	0	7,1	90,63%
6	QANTAS	Australia	QFA	1922	0	0	0	12,8	90,21%
7	Qatar Airways	Qatar	QTR	1994	0	0	0	7,3	89,24%
8	Juneyao Airlines	China	DKH	2005	0	0	0	5,7	88,99%
9	Shanghai Airlines	China	CSH	1985	0	0	0	8,2	88,70%
10	Hainan Airlines	China	CHH	1993	0	0	0	7,3	88,58%
11	ANA - All Nippon Airways	Japan	ANA	1954	0	0	0	7,7	88,49%
12	Sichuan Airlines	China	CSC	1988	0	0	0	7,1	88,13%
13	Shenzhen Airlines	China	CSZ	1993	0	0	0	8,5	88,09%
14	Spring Airlines	China	CQH	2004	0	0	0	6,0	87,99%
15	IndiGo	India	IGO	2006	0	0	0	3,2	87,97%
16	Korean Air	South Korea	KAL	1962	3	1	4	10,4	87,48%
17	Japan Airlines	Japan	JAL	1951	0	0	0	9,7	87,44%
18	China Southern Airlines	China	CSN	1990	1	2	3	8,1	86,99%
19	Xiamen Airlines	China	CXA	1985	1	0	1	8,5	85,91%
20	China Eastern Airlines	China	CES	1988	0	1	1	7,6	85,25%
21	Air China	China	CCA	1988	1	1	2	8,6	83,51%
22	Vietnam Airlines	Vietnam	HVN	1989	0	2	2	7,1	80,21%
23	Saudia - Saudi Arabian Airlines	Saudi Arabia	SVA	1947	4	1	5	7,0	78,95%
24	Air India	India	AIC	1932	2	0	2	8,8	75,81%
25	Ethiopian Airlines	Ethiopia	ETH	1962	3	3	6	6,7	66,09%

TABLE 3 / 4 THE TOP 25 AIRLINES IN NORTH + LATIN AMERICA

RANK	Airline Name	Home Country	ICAO Code 1	Begin of Ops	Hull Losses ² since 1992			Fleet Age ²	Risk Index 2022
					Non-fatal ³	Fatal ³	Total No of Hull Losses ²		
1	JetBlue Airways	United States of America	JBU	2000	0	0	0	11,5	91,61%
2	Delta Air Lines	United States of America	DAL	1929	2	0	2	14,1	91,55%
3	LATAM Chile	Chile	LAN	1929	0	0	0	9,8	91,35%
4	WestJet Airlines	Canada	WJA	1996	0	0	0	10,3	91,20%
5	Air Canada	Canada	ACA	1937	2	0	2	8,8	90,90%
6	Southwest Airlines	United States of America	SWA	1971	3	0	3	12,5	90,24%
7	Spirit Airlines	United States of America	NKS	1980	0	0	0	6,8	90,11%
8	Frontier Airlines	United States of America	FFT	1994	0	0	0	4,0	89,73%
9	Copa Airlines	Panama	CMP	1947	1	1	2	8,2	89,32%
10	Hawaiian Airlines	United States of America	HAL	1929	0	0	0	10,1	88,60%
11	United Airlines	United States of America	UAL	1931	1	2	3	15,4	88,52%
12	Republic Airways	United States of America	RPA	2005	0	0	0	11,8	87,97%
13	Allegiant Air	United States of America	AAV	1998	0	0	0	14,7	87,38%
14	VivaAeroBus	Mexico	VIV	2006	0	0	0	5,1	87,16%
15	Skywest Airlines	United States of America	SKW	1972	0	0	0	12,1	86,83%
16	Alaska Airlines	United States of America	ASA	1932	0	1	1	10,2	86,30%
17	Volaris	Mexico	VOI	2005	0	0	0	5,4	85,73%
18	American Airlines	United States of America	AAL	1934	6	5	11	11,3	84,79%
19	Mesa Airlines	United States of America	ASH	1980	1	0	1	9,5	83,18%
20	Avianca Colombia	Colombia	AVA	1919	0	0	0	8,0	82,29%
21	AeroMexico	Mexico	AMX	1934	4	0	4	5,9	82,19%
22	GOL - Linhas Aereas Inteligentes	Brazil	GLO	2001	0	1	1	10,2	81,48%
23	LATAM Brasil	Brazil	TAM	1976	2	2	4	10,6	79,36%
24	Envoy Air (AA Eagle)	United States of America	ENY	1984	4	0	4	9,8	79,19%
25	Azul Brazilian Airlines	Brazil	AZU	2008	0	0	0	6,9	77,56%

TABLE 4 / 4 THE TOP 25 AIRLINES IN EUROPE + EURASIA

RANK	Airline Name	Home Country	ICAO Code 1	Begin of Ops	Hull Losses ² since 1992			Fleet Age ²	Risk Index 2022
					Non-fatal ³	Fatal ³	Total No of Hull Losses ²		
1	KLM - Royal Dutch Airlines	Netherlands	KLM	1920	1	0	1	12,0	93,31%
2	Finnair	Finland	FIN	1923	0	0	0	9,0	93,16%
3	Air Europa	Spain	AEA	1986	0	0	0	5,5	93,12%
4	Transavia	Netherlands	TRA	1966	0	0	0	11,6	92,83%
5	EasyJet	United Kingdom	EZY	1996	0	0	0	8,5	91,28%
6	Norwegian Air Shuttle ⁵	Norway	NOZ	1993	0	0	0	7,5	90,95%
7	WizzAir	Hungary	WZZ	2004	0	0	0	5,6	89,78%
8	TAP Air Portugal	Portugal	TAP	1946	0	0	0	7,7	89,63%
9	Ryanair	Ireland	RVR	1985	1	0	1	12,0	89,41%
10	Rossiya Airlines	Russia	SDM	2006	0	0	0	9,3	88,92%
11	Swiss Airlines	Switzerland	SWR	2002	1	0	1	8,3	88,34%
12	Vueling Airlines	Spain	VLG	2004	0	0	0	7,8	88,30%
13	Pobeda	Russia	PBD	2014	0	0	0	4,5	88,19%
14	British Airways	United Kingdom	BAW	1974	2	0	2	12,0	87,97%
15	Lufthansa	Germany	DLH	1955	1	1	2	10,4	87,90%
16	Iberia	Spain	IBE	1927	3	0	3	9,1	85,32%
17	Air France	France	AFR	1933	2	3	5	14,5	84,82%
18	Nordwind Airlines	Russia	NWS	2008	1	0	1	12,3	83,85%
19	Scandinavian Airlines - SAS	Sweden	SAS	1946	3	1	4	8,0	80,67%
20	Azur Air	Russia	AZV	1995	0	1	1	21,7	77,48%
21	Aeroflot - Russian Airlines	Russia	AFL	1992	5	2	7	5,8	76,82%
22	Ural Airlines	Russia	SVR	1993	1	0	1	13,3	76,81%
23	Pegasus Airlines	Turkey	PGT	1990	1	1	2	4,6	76,71%
24	THY Turkish Airlines	Turkey	THY	1956	5	3	8	6,9	74,00%
25	S7 Airlines	Russia	SBI	1992	0	3	3	9,2	68,13%



¹ ICAO
International
Civil Aviation
Organization

² Only revenue passenger flights,
no cargo, training or ferry flights.

³ On-board fatalities only. No 3rd party
casualties on the ground or in other
aircraft.

⁴ Only passenger aircraft.
Data as of 2021-12-31