

EMBRAER EXECUTIVE UPDATE



AGENDA

1. Embraer Update
2. E2 Product Update
3. E-Jets Product Update
4. Services & Support
5. Appendix





01. EMBRAER UPDATE





EMBRAER 50 YEARS

A JOURNEY OF WONDER

“Today, the Embraer reality
is greater than anyone
had initially dreamed.”

Ozires Silva





Aeronautics Technical Center (CTA) and the Technological Institute of Aeronautics (ITA).

Embraer is privatized, fusing technological and industry expertise with an entrepreneurial approach.

Embraer is one of the world's leading manufacturers of commercial and executive jets, with substantial and growing operations in defense and security.

Federal Government creates Embraer to develop aeronautical engineering and manufacture aircraft in Brazil.





EMBRAER FACILITIES





WE ARE EMBRAER

21st Century Aircraft



LEGACY 600
2001



E170
2004



E175
2005



E190
2005



E195
2006



LINEAGE 1000E
2008



PHENOM 100E
2008



PHENOM 300
2009



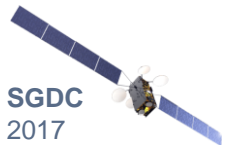
LEGACY 650
2010



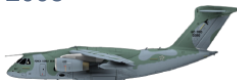
LEGACY 500
2014



LEGACY 450
2015



SGDC
2017



KC390
2019



E190-E2
2018



E195-E2
2019



E175-E2
2023

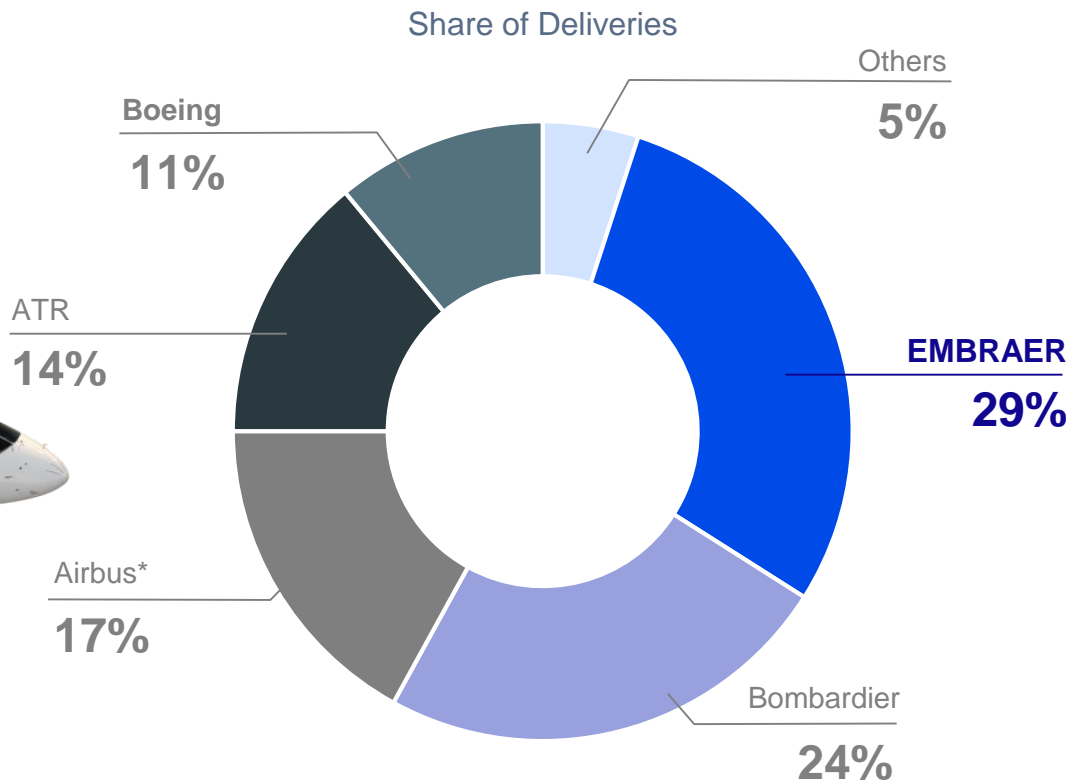
EXPERIENCE AND KNOWLEDGE

The only airplane manufacture
to develop 15 different aircraft
within the 21st century



DELIVERIES LEADERSHIP

Up to 150-seat aircraft

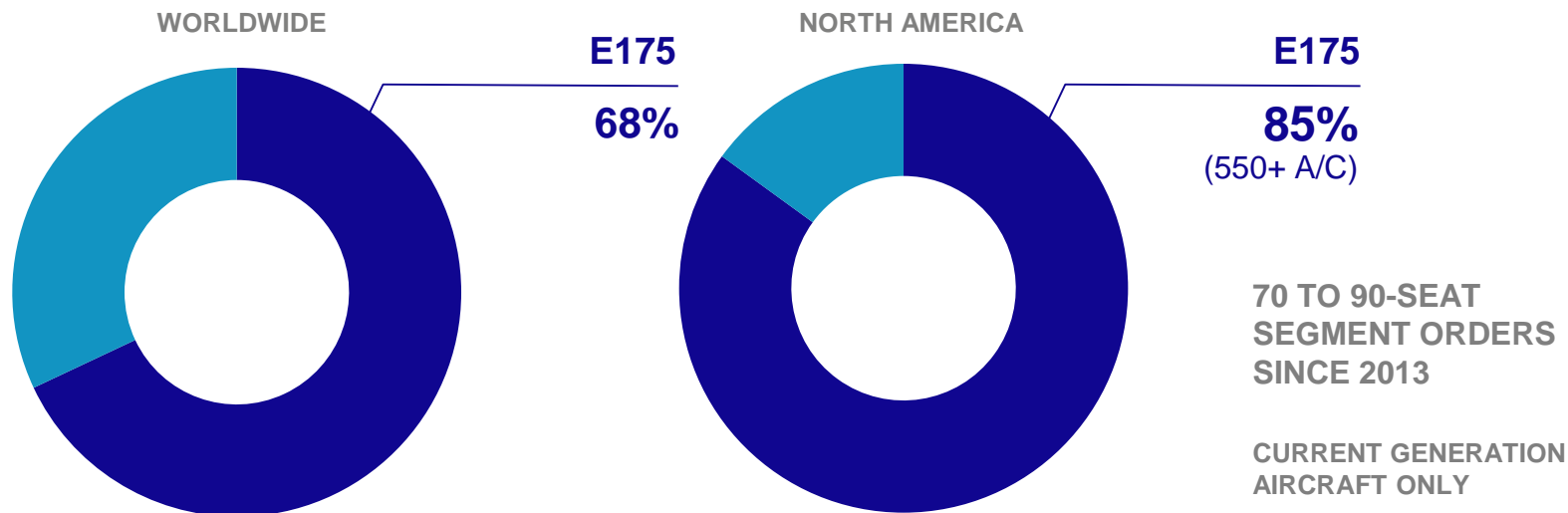


Source: Cirium (Jan/04 - Mar/20) | * All A220/CSeries deliveries are considered under Airbus.



E175 LEADERSHIP

SHARE OF NET ORDERS – 70 TO 90-SEAT SEGMENT



Source: Embraer, Flight Global (Jan/13- Mar/20)

CUSTOMERS ON EVERY CONTINENT

EMBRAER COMMERCIAL AVIATION JET CUSTOMERS (ERJ, E-JET and E2)



Source: Embraer (October/20)



02. E2 PRODUCT UPDATE



PROGRAM LAUNCH PAS JUNE, 2013





E190-E2
2016 First Flight
2018 EIS



E195-E2
2017 First Flight
2019 EIS



E175-E2
2019 First Flight
2023 EIS



E190-E2 & E195-E2: TRIPLE TYPE CERTIFICATE

THREE MAJOR CERTIFICATION AUTHORITIES SIMULTANEOUSLY: FAA, EASA, ANAC





EJETS-E2 EXCEEDING TARGETS

EVEN BETTER THAN ORIGINAL SPEC



NOISE REDUCTION

Target:
E190-E2:
15 EPNdB
E195-E2:
14 EPNdB



FUEL BURN REDUCTION

Target:
E190-E2: 16%
E195-E2: 24%



MAINTENANCE

Target:
850 FH
8,500 FH



LANDING GEAR

Target:
20,000 FC
or 10 years



TRAINING

Target:
3 days

E2 PROGRAM: CERTIFIED ON TIME, ON BUDGET AND ON SCHEDULE



E2 OPERATORS

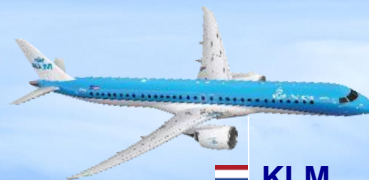
 **Azul**
E195-E2/BRAZIL
Flying since
September 2019



 **Binter**
E195-E2/SPAIN
Flying since
December 2019



 **KLM**
E195-E2/NETHERLANDS
Taking flight in 2021



 **Air Kiribati**
E190-E2/KIRIBATI
Flying since
December 2019



 **Wideroe**
E190-E2/NORWAY
Flying since
April 2018



 **Belavia**
E195-E2/BELARUS
Taking flight in 2020



 **Helvetic**
E190-
E2/SWITZERLAND
Flying since
November 2019



 **Air Astana**
E190-
E2/KAZAKHSTAN
Flying since
January 2019



 **Air Peace**
E195-E2/NIGERIA
Taking flight in 2021



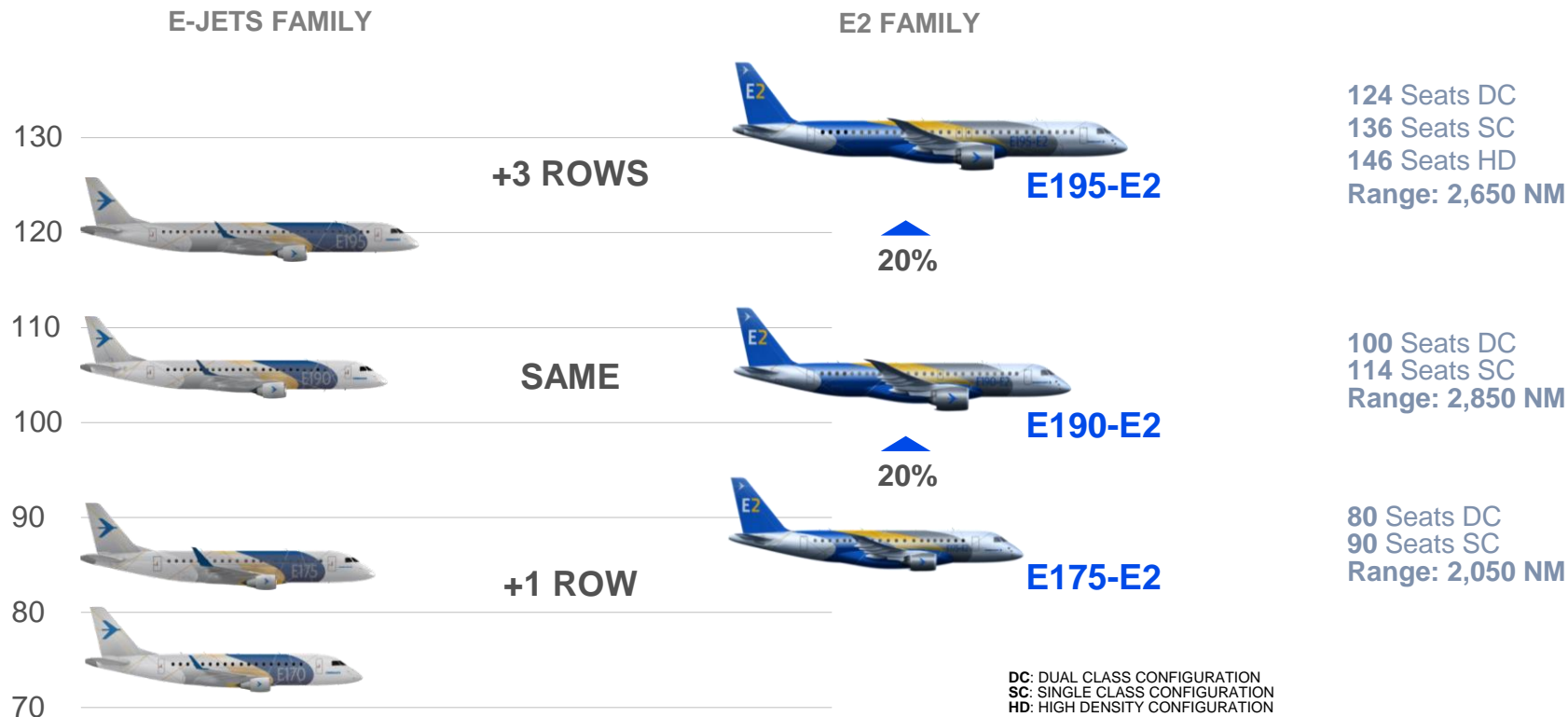
 **Congo Airways**
E190-E2/CONGO
Taking flight in 2021





PRODUCT POSITIONING

THE RIGHT CAPACITY OF AIRCRAFT FAMILY





A NEW DESIGN ON A PROVEN PLATFORM

AVIONICS

New displays with
45% more area
New FMS
New CMC

FUSELAGE

Aerodynamic cleaning
Smart use of materials

NEW INTERIOR

One baggage per pax
Keep the no middle
seat wining concept
Improved the E-JET
benchmark

NEW WING

Clean sheet design
Highest aspect ratio
Single slotted flaps
Fuel burn &
performance
optimization

NEW STABILIZER

Lower area
Weight reduction
Fuel burn reduction

NEW ENGINE

Fuel burn reduction
Noise & emissions reduction
Performance optimization

LANDING GEAR

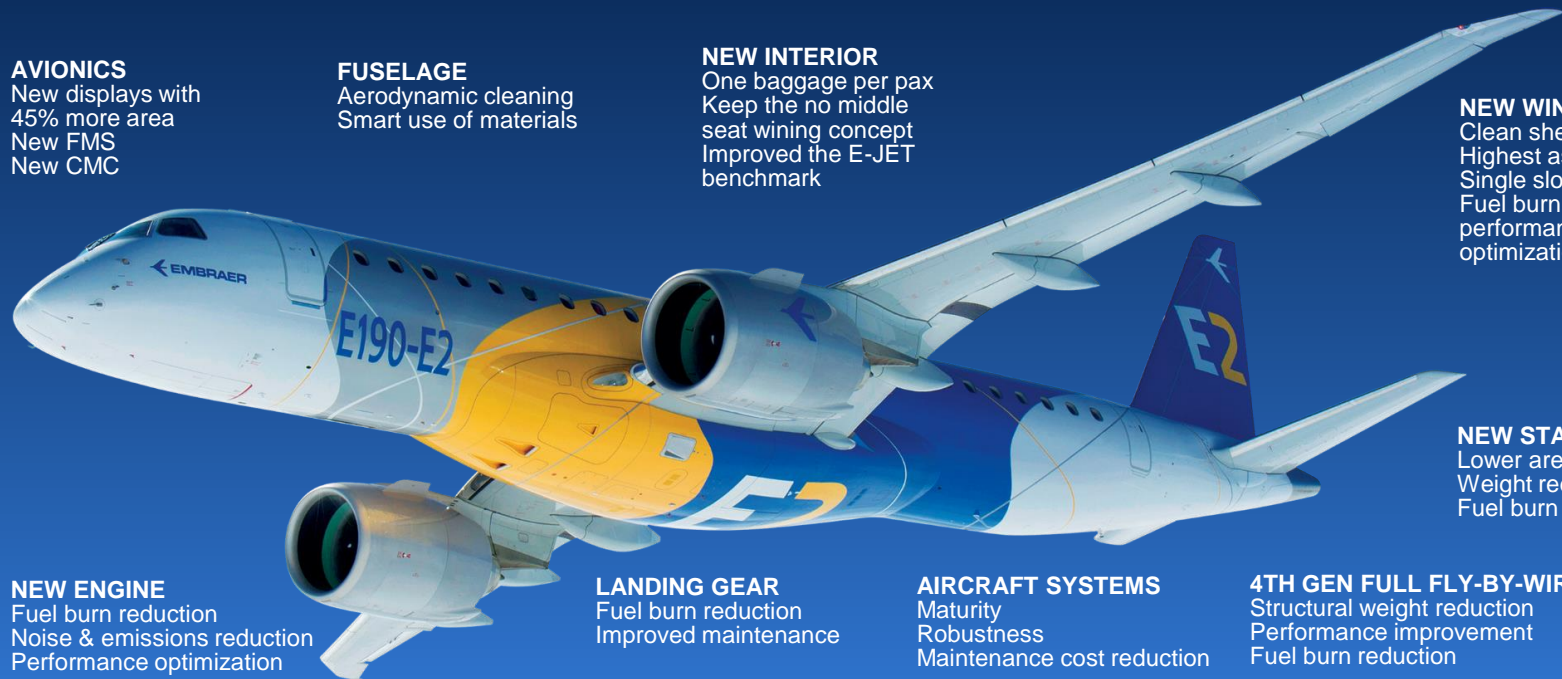
Fuel burn reduction
Improved maintenance

AIRCRAFT SYSTEMS

Maturity
Robustness
Maintenance cost reduction

4TH GEN FULL FLY-BY-WIRE

Structural weight reduction
Performance improvement
Fuel burn reduction





CONTINUOUS EVOLUTION



OPTIMIZED WING FOR EACH MODEL



Double digit fuel burn reduction



More passengers and payload



Optimum runway performance



PILOT COMMONALITY

MINIMIZING TRAINING COSTS

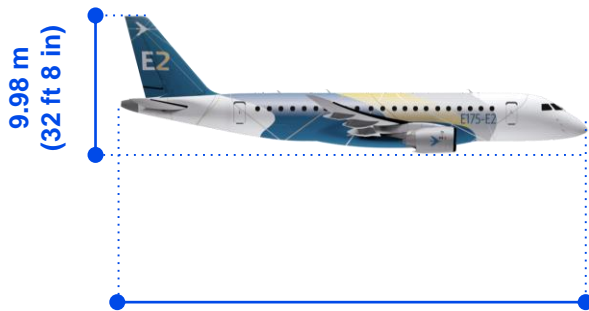
NO DISRUPTIONS
2.5 DAYS TRANSITION E1/E2
NO FFS E1/E2
A/A/A WITHIN E2 FAMILY



E175-E2 DIMENSIONS

Higher aspect ratio wing
for higher fuel efficiency

No change to ICAO Airport
Reference Code (C)



32.4 m (106 ft 2 in)

Current E175: 31.7 m (103 ft 11 in)



31.4 m (103 ft)

Current E175: 28.7 m (94 ft 2 in)



E190-E2 DIMENSIONS

Higher aspect ratio wing
for higher fuel efficiency

No change to ICAO Airport
Reference Code (C)



36.3 m (119 ft 24 in)

Current E190: 36.2 m (118 ft 10 in)



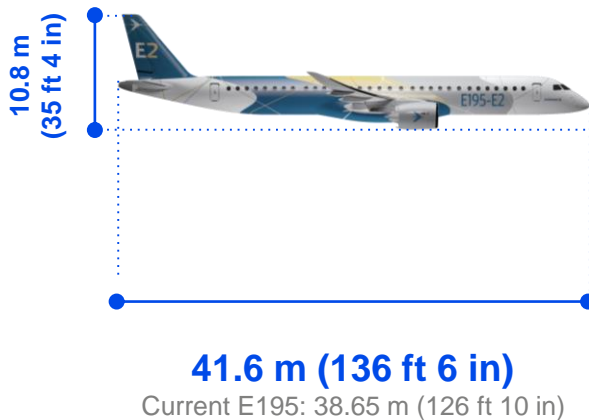
33.7 m (110 ft 7 in)

Current E190: 28.72 m (94 ft 3 in)

E195-E2 DIMENSIONS

Higher aspect ratio wing
for higher fuel efficiency

No change to ICAO Airport
Reference Code (C)





BENCHMARK INTERIOR DESIGN

NO MIDDLE SEAT CONCEPT

NEW “LOOK AND FEEL”

**FASTER AND SMOOTHER
TURN-AROUND**

PAX LIVING SPACE OPTIMIZATION

**EASY RECONFIGURATION AND
MODULARITY**



ECONOMY CLASS CONCEPT

Slim Profile

Robust and
Light Weight



ON-BOARD STOWAGE

**1 BAG PER PAX +
EXTRA STOWAGE
UNDER THE SEATS**

**“WHEELS FIRST”
LARGER OVERHEAD BINS**

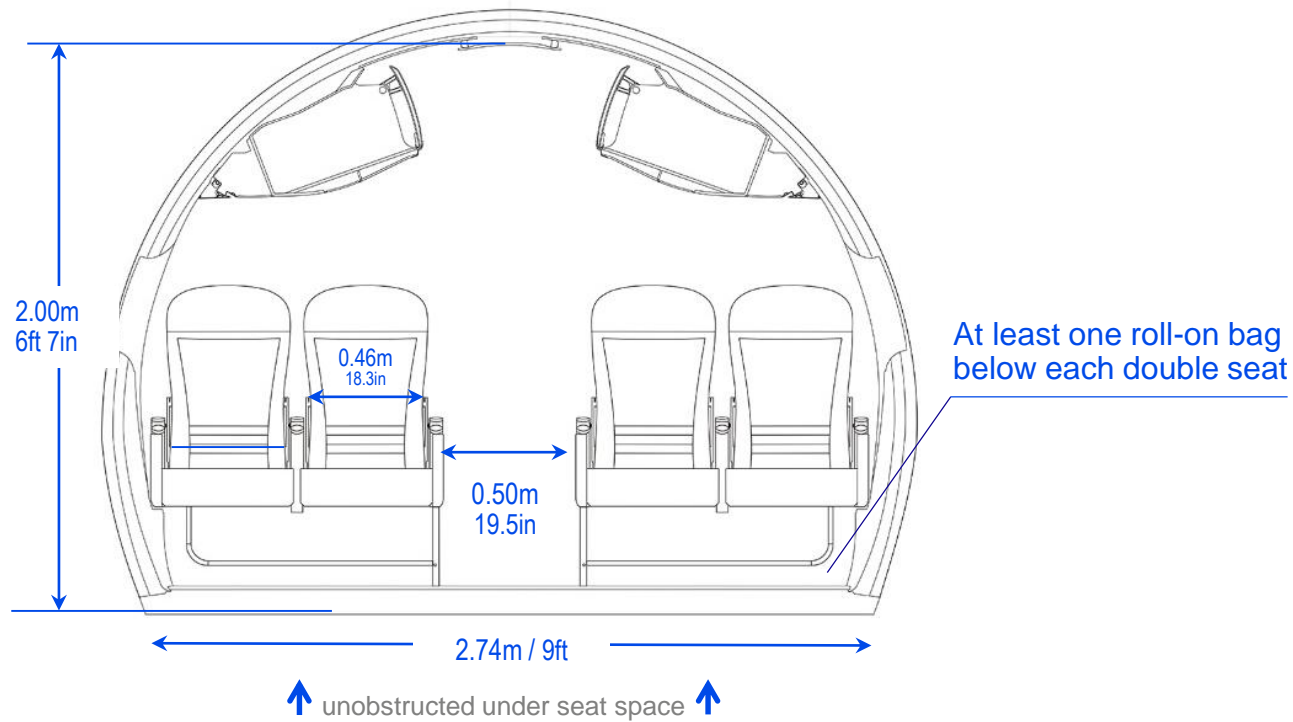
**OVERHEAD BIN DOORS
DON'T PROTRUDE
TOWARDS THE PAX**



INCREASED OVERHEAD BIN CAPACITY



BENCHMARK INTERIOR DESIGN





ECONOMY CLASS CONCEPT

Common installation with white LED

Allows operator to reproduce a spectrum of colors and different scenarios, such as airline livery

Gradual color changes for each flight phase



BUSINESS CLASS CONCEPTS





BUSINESS CLASS

2+1 CONCEPT

MAXIMUM SEAT WIDTH

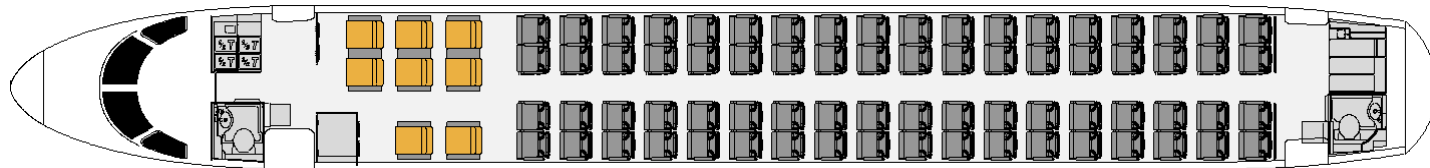
Oversized 20.9" seat pan

Equivalent to current
first class configuration

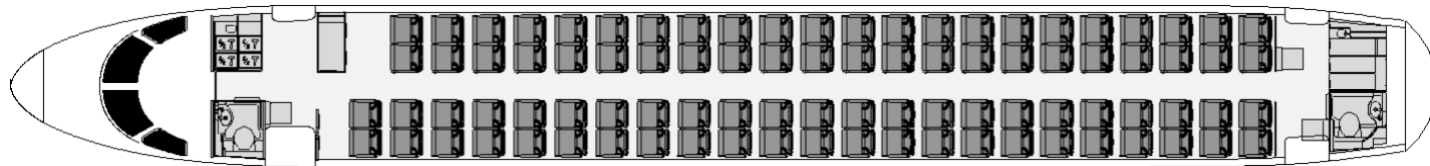


E175-E2 LOPA

80 seats – Dual Class – 36"/31"



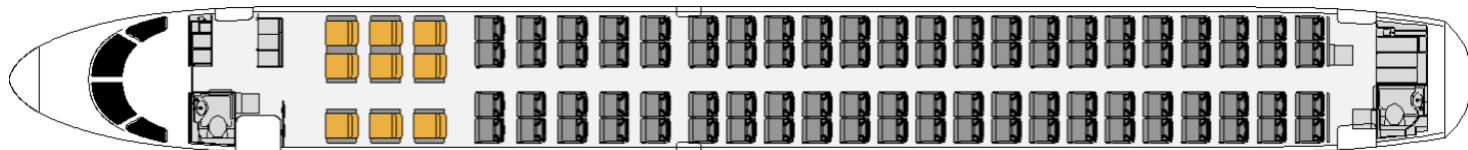
90 seats – Single Class – 30"/29"



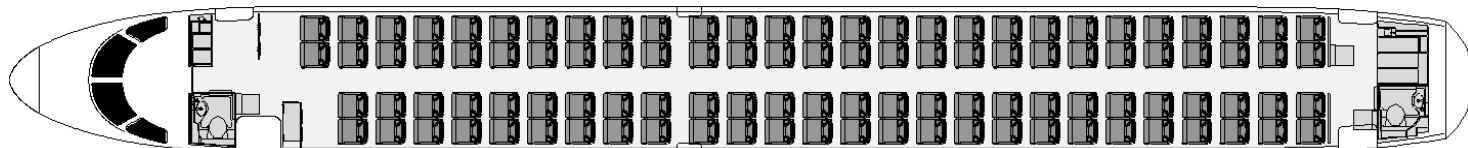


E190-E2 LOPA

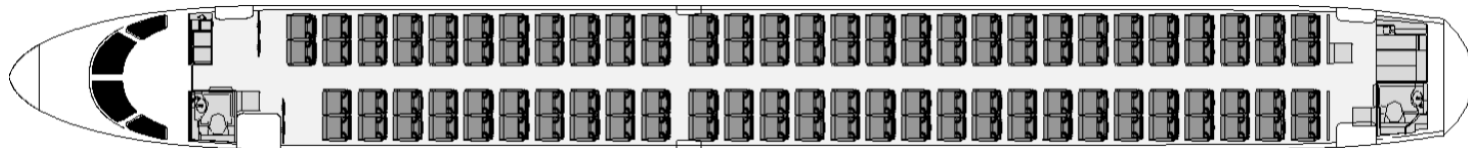
97 Seats – Dual Class – 36"/34"/31"



106 Seats – Single Class – 31"



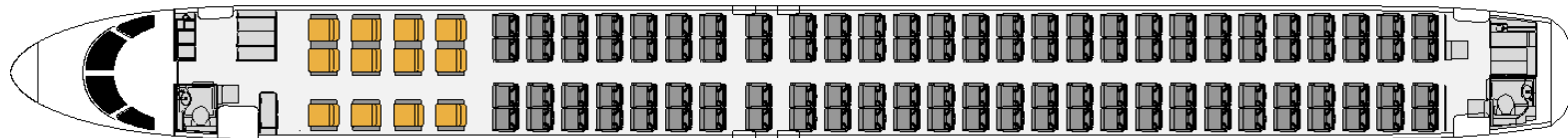
114 Seats – Single Class – 29"





E195-E2 LOPA

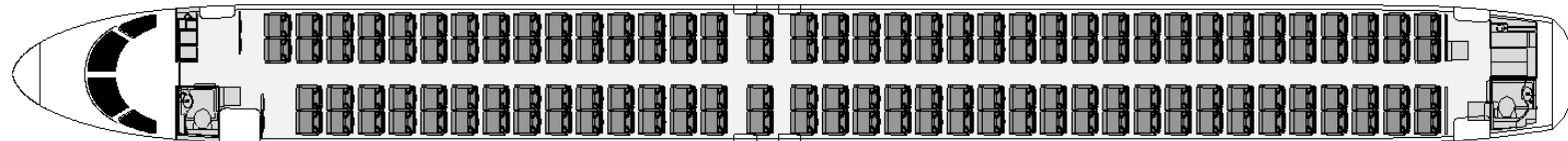
120 Seats – Dual Class – 38"/31"



136 Seats – Single Class – 30"/29.5"



146 Seats – Single Class – 28"





BUSINESS CLASS

STAGGERED CONCEPT

Wide-body cabin feel

Individual seats with increased
leg room

Forward sliding seat

Enhanced personal space
(minimum pitch of 51")

Easiness of re-configuration:
same bins and seat track of
economy class





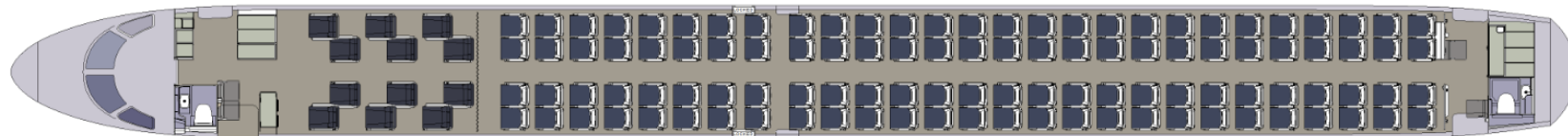
BUSINESS CLASS

LAY-OUT COMPARISON

E195 (2+1):
120 Pax (37"/31")



E195 (Staggered):
120 Pax (51"/31")





E2

MAXIMUM DESIGN WEIGHTS

	E175-E2	E190-E2	E195-E2
MTOW	44,600 kg (98,326 lb)	56,400 kg (124,340 lb)	61,500 (135,585 lb)
MLW	40,000 kg (88,184 lb)	49,050 (108,136 lb)	54,000 (119,049 lb)
PAYLOAD	10,600 kg (23,368 lb)	13,500 kg (29,762 lb)	16,150 kg (35,604 lb)
MAX FUEL*	8,522 kg (18,787 lb)	13,690 kg (30,181 lb)	13,690 kg (30,181 lb)

* Fuel Density = 0.803 kg/l



CUSTOMIZED MTOW

STEPS OF 500 KG

	E175-E2	E190-E2	E195-E2
BASELINE MTOW	41,500 kg (91,491 lb)	49,990 kg (110,209 lb)	55,200 kg (121,695 lb)
MAXIMUM MTOW	44,600 kg (98,326 lb)	56,400 kg (124,340 lb)	61,500 (135,584 lb)

Airline chooses MTOW from a defined list from baseline MTOW to maximum MTOW by steps of 500 kg (1,102 lb).

Allow customization and airport charges optimization



PERFORMANCE CHARACTERISTICS

	E175-E2		E190-E2		E195-E2	
	BASE MTOW	MAX MTOW	BASE MTOW	MAX MTOW	BASE MTOW	MAX MTOW
RANGE Full PAX*, LRC, Typical Reserves, 100 nm alternate	1,155 NM (2,139 km)	2,000 NM (3,704 km)	1,191 NM (2,205 km)	2,850 NM (5,278 km)	1,082 NM (2,003 km)	2,600 NM (4,815 km)
TAKEOFF FIELD LENGTH MTOW, ISA, SL - standard engine	1,510 m (4,955 ft)	1,730 m (5,676 ft)	1,264 m (4,147 ft)	1,615 m (5,299 ft)	1,546 m (5,073 ft)	1,805 m (5,922 ft)
LANDING FIELD LENGTH MLW, ISA, SL	1,345 m (4,413 ft)		1,215 m (3,987 ft)		1,290 m (4,232 ft)	
TAKEOFF FIELD LENGTH TOW for 500nm, full PAX*, ISA, SL, standard engine	1,370 m (4,495 ft)		1,165 m (3,823 ft)		1,305 m (4,281 ft)	
MAX OPERATING SPEED	Mach 0.82		Mach 0.82		Mach 0.82	
SERVICE CEILING	41,000 ft		41,000 ft		41,000 ft	



BAGGAGE VOLUME

GROSS VOLUME

	FWD	AFT	TOTAL
E175-E2	8.1 m ³ (287.5 ft ³)	8.8 m ³ (309.4 ft ³)	16.9 m³ (596.8 ft³)
E190-E2	10.1 m ³ (356.3 ft ³)	11.5 m ³ (404.4 ft ³)	21.5 m³ (760.7 ft³)
E195-E2	14.8 m ³ (521.6 ft ³)	15.2 m ³ (536.8 ft ³)	30.0 m³ (1058.4 ft³)



BAGGAGE LOADS

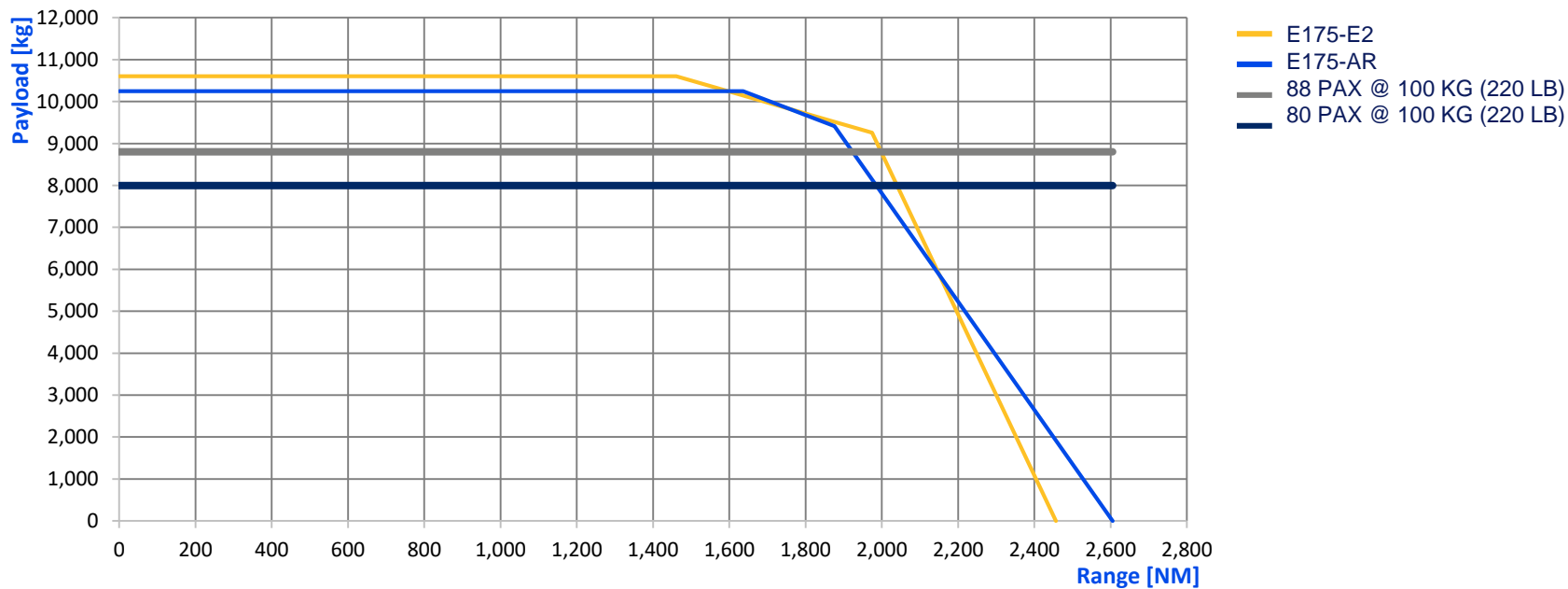
MAXIMUM STRUCTURAL LOAD

	FWD	AFT	TOTAL
E175-E2	1,220 kg (2,690 lb)	1,430 kg (3,153 lb)	2,650 kg (5,843 lb)
E190-E2	1,590 kg (3,505 lb)	1,910 kg (4,211 lb)	3,500 kg (7,716 lb)
E195-E2	2,375 kg (5,236 lb)	2,555 kg (5,633 lb)	4,930 kg (10,869 lb)



E175-E2

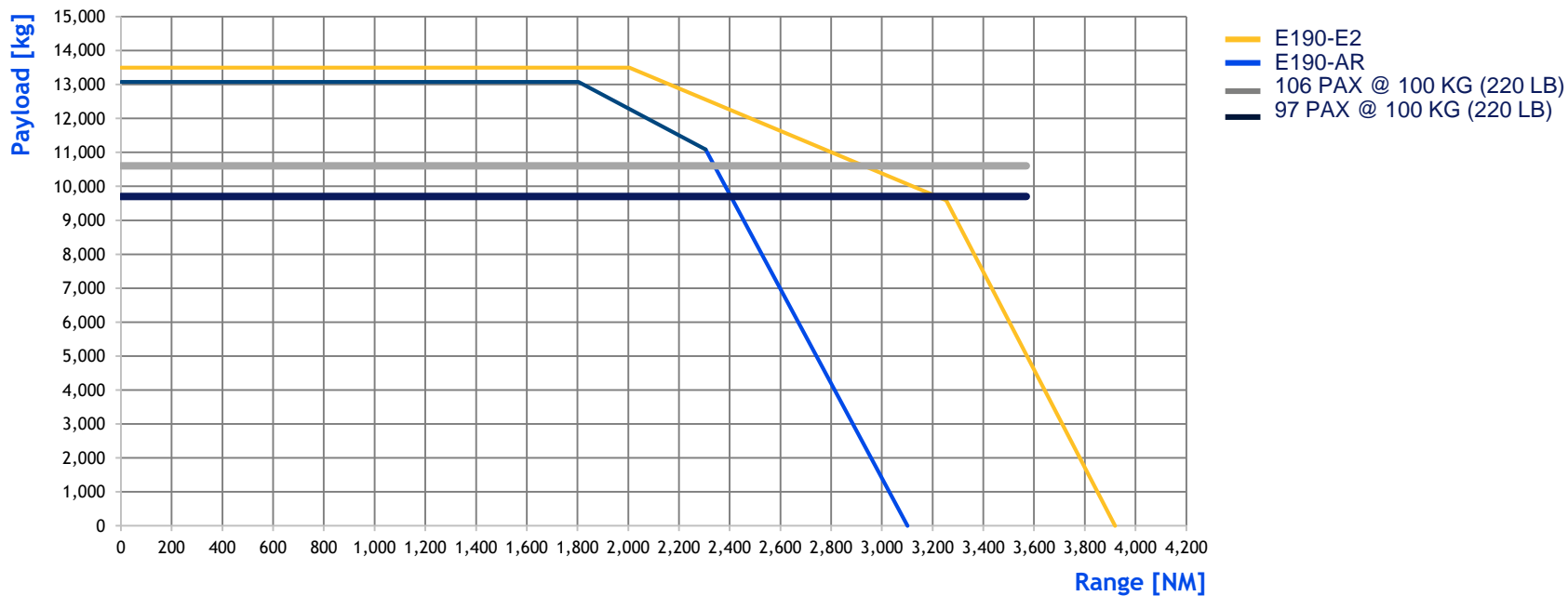
PAYLOAD X RANGE





E190-E2

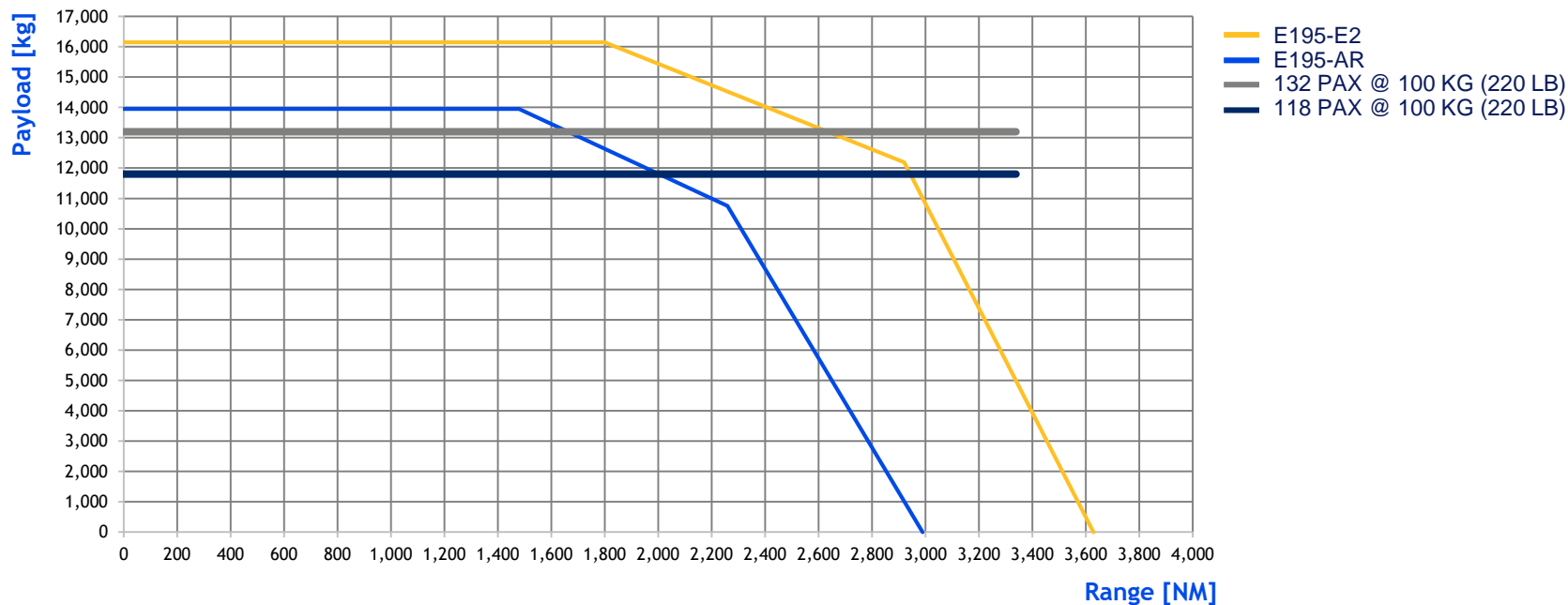
PAYLOAD X RANGE





E195-E2

PAYLOAD X RANGE



RANGE FROM DALLAS

DALLAS-FORT WORTH
INTERNATIONAL AIRPORT

FULL PAX*

PAX WEIGHT = 100 kg (220 lb)

85% ANNUAL WINDS

FAR DOMESTIC RESERVES

100 NM ALTERNATE



E195-E2



E190-E2



E175-E2

*SINGLE CLASS SEATING



RANGE FROM PARIS

ROISSY-CHARLES DE GAULLE
AIRPORT

FULL PAX*

PAX WEIGHT = 100 kg (220 lb)

85% ANNUAL WINDS

EU-OPS RESERVES

100 NM ALTERNATE



E195-E2

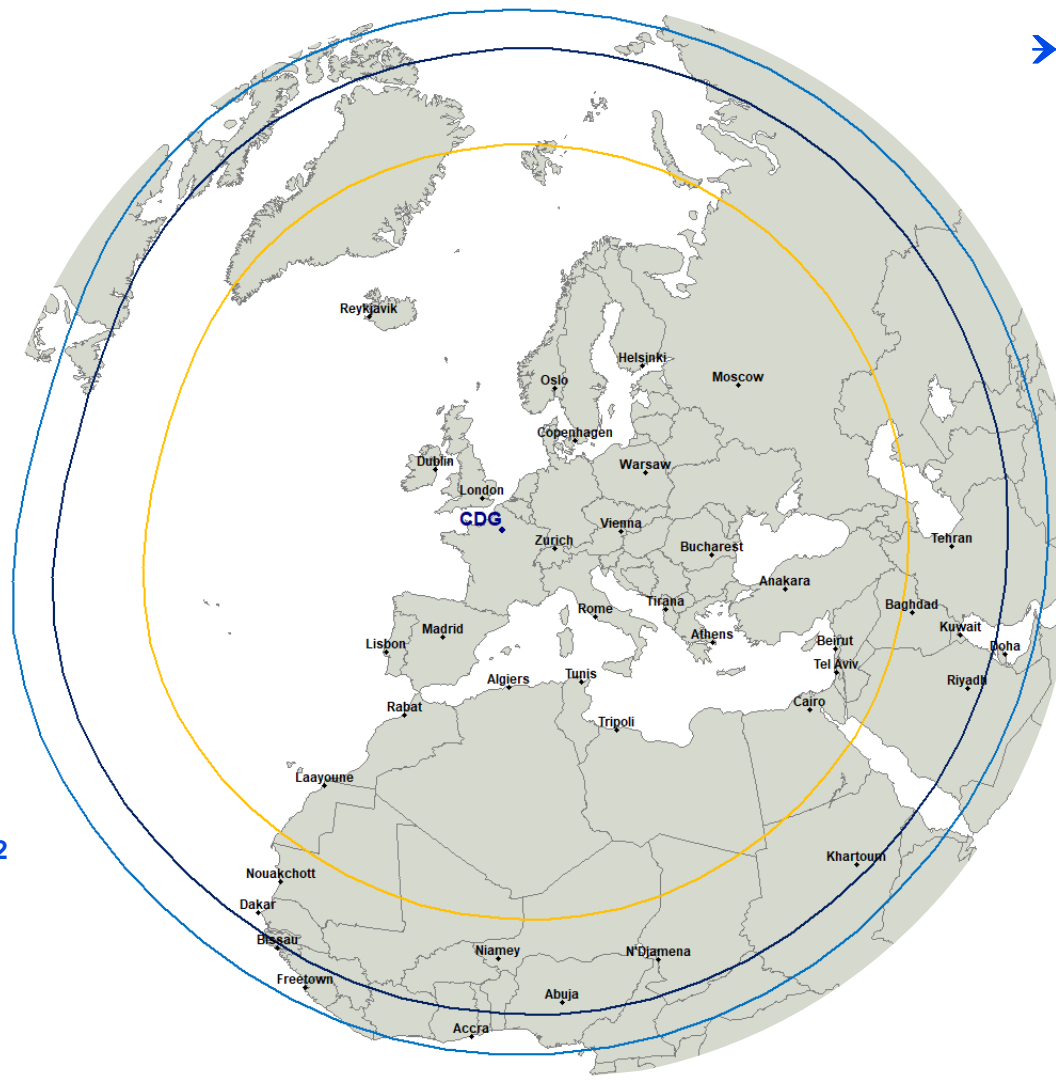


E190-E2



E175-E2

*SINGLE CLASS SEATING



RANGE FROM LONDON CITY

LONDON CITY AIRPORT

FULL PAX*

PAX WEIGHT = 98 kg (216 lb)

85% ANNUAL WINDS

EU-OPS RESERVES

100 NM ALTERNATE

E190-E2

*SINGLE CLASS SEATING





RANGE FROM BANGKOK

SUVARNABHUMI BANGKOK
INTERNATIONAL AIRPORT

FULL PAX*

PAX WEIGHT = 100 kg (220 lb)

85% ANNUAL WINDS

FAR INT'L RESERVES

100 NM ALTERNATE



E195-E2

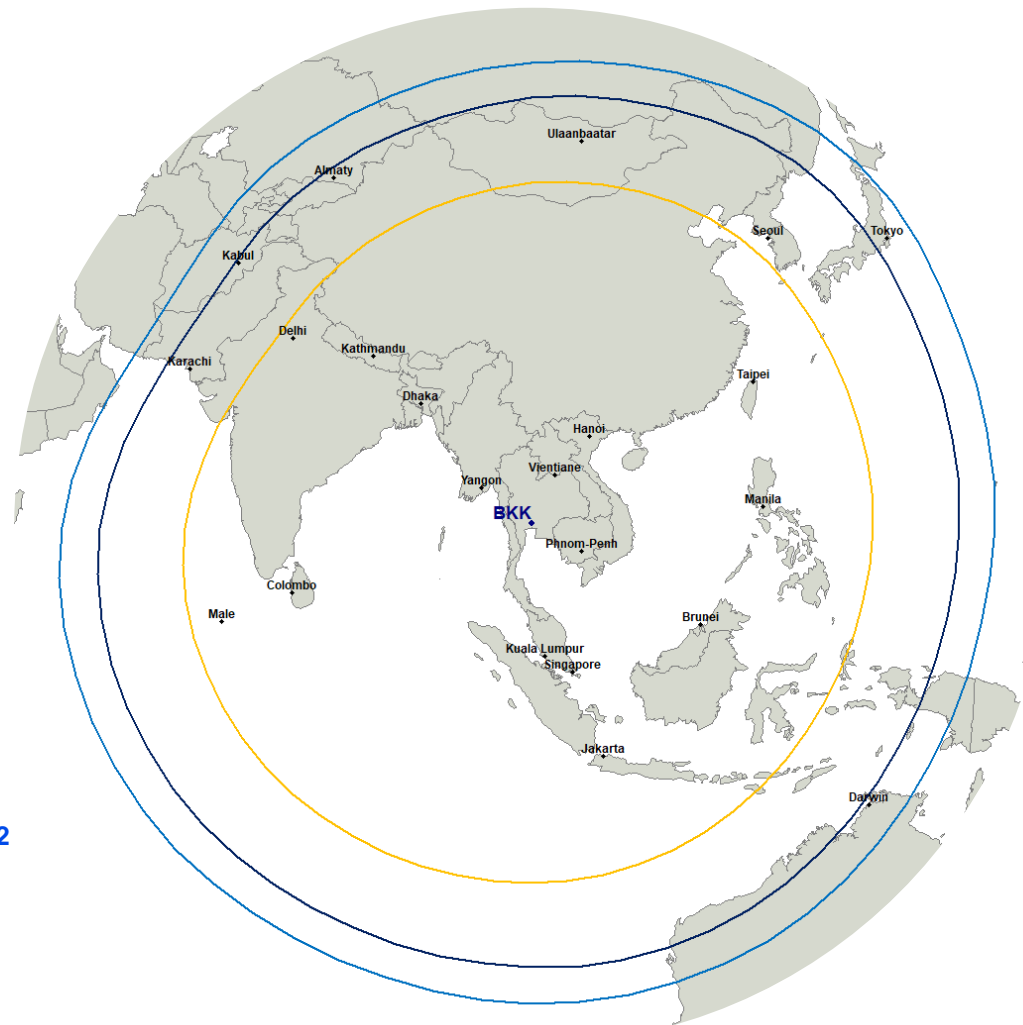


E190-E2



E175-E2

*SINGLE CLASS SEATING





RANGE FROM BEIJING

BEIJING CAPITAL AIRPORT

FULL PAX*

PAX WEIGHT = 100 kg (220 lb)

85% ANNUAL WINDS

CAAC RESERVES

100 NM ALTERNATE



E195-E2



E190-E2



E175-E2

*SINGLE CLASS SEATING





03. E-JETS PRODUCT UPDATE





MEET THE E-JETS FAMILY CONCEPT

FROM 70 TO 124 PASSENGERS

EMBRAER 170

70 – 78 seats
2,100 nm range



First Delivery:
Mar. 5th, 2004

EMBRAER 175

78 – 88 seats
2,000 nm range



First Delivery:
Jul. 19th, 2005

EMBRAER 190

98 – 114 seats
2,400 nm range



First Delivery:
Sep. 13th, 2004

EMBRAER 195

108 – 124 seats
2,200 nm range



First Delivery:
Sep. 1st, 2006



E-JETS DESIGN WEIGHTS

		EMBRAER 170			EMBRAER 175			EMBRAER 190			EMBRAER 195		
		STD	LR	AR	STD	LR	AR	STD	LR	AR	STD	LR	AR
MRW	kg	36,150	37,360	38,760	37,660	38,950	40,530	47,950	50,460	51,960	48,950	50,950	52,450
	(lb)	(79,697)	(82,365)	(85,451)	(83,026)	(85,870)	(89,353)	(105,712)	(111,245)	(114,552)	(107,916)	(112,325)	(115,631)
MTOW	kg	35,990	37,200	38,600	37,500	38,790	40,370	47,790	50,300	51,800	48,790	50,790	52,290
	(lb)	(79,344)	(82,012)	(85,098)	(82,673)	(85,517)	(89,000)	(105,359)	(110,893)	(114,199)	(107,564)	(111,973)	(115,280)
MLW	kg	32,800	32,800	32,800	34,000	34,000	34,100	43,000		44,000	45,000		45,800
	(lb)		(72,312)	(73,414)		(74,957)	(75,178)	(94,799)		(97,003)	(99,208)		(100,972)
BOW (std)	kg		21,137	21,157		21,886	21,906	27,753		27,853		28,583	28,683
	(lb)		(46,599)	(46,643)		(48,250)	(48,294)	(61,185)		(61,405)		(63,015)	(63,235)



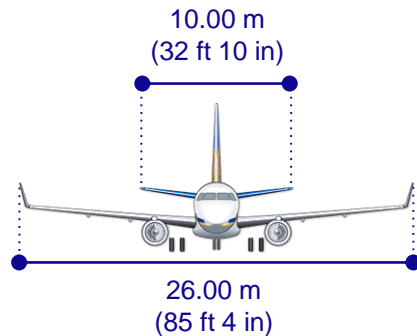
E-JETS DESIGN WEIGHTS

		EMBRAER 170			EMBRAER 175			EMBRAER 190			EMBRAER 195		
		STD	LR	AR	STD	LR	AR	STD	LR	AR	STD	LR	AR
MZFW	kg	30,140	30,900		31,700	32,000		40,800	40,900		42,500	42,600	
	(lb)	(66,447)	(68,123)		(69,887)	(70,548)		(89,949)	(90,169)		(93,696)	(93,917)	
M. PAYLOAD	kg	9,003	9,743		9,814	10,094		13,047			13,917		
	(lb)	(19,848)	(21,480)		(21,636)	(22,253)		(28,764)			(30,682)		
MAX. USABLE FUEL *	kg	9,335			9,335			12,971			12,971		
	(lb)	(20,580)			(20,580)			(28,596)			(28,596)		
MAX. USABLE FUEL	L	11,625			11,625			16,153			16,153		
	(gal)	(3,071)			(3,071)			(4,267)			(4,267)		

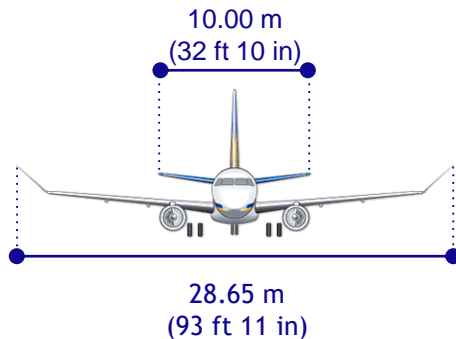


EMBRAER 170/175 VIEWS

EMBRAER 170

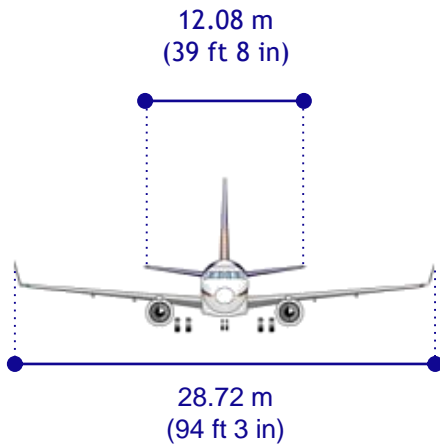


EMBRAER 175





EMBRAER 190/195 VIEWS



EMBRAER 190



EMBRAER 195



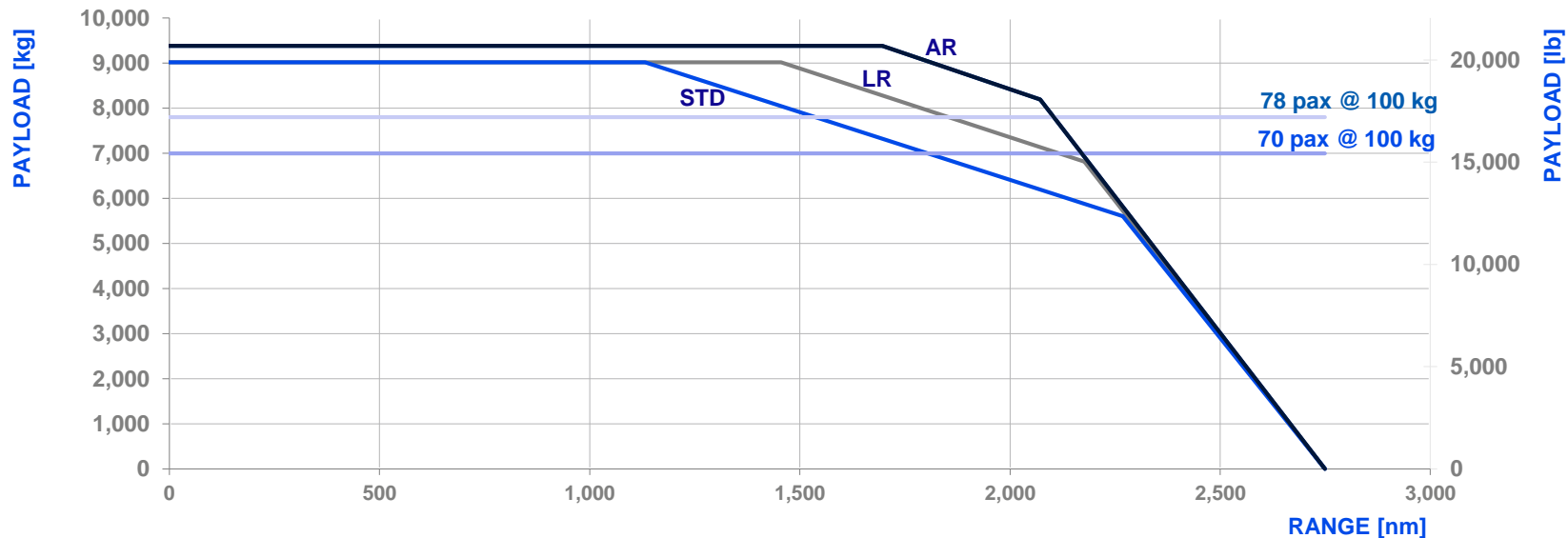


PERFORMANCE CHARACTERISTICS

		EMBRAER 170			EMBRAER 175			EMBRAER 190			EMBRAER 195		
		STD	LR	AR	STD	LR	AR	STD	LR	AR	STD	LR	AR
RANGE Full PAX*, LRC, typical mission reserves	nm	1,800	2,100	2,150	1,750	2,150	2,200	1,850	2,400	2,450	1,600	2,000	2,300
	(km)	(3,334)	(3,889)	(3,982)	(3,241)	(3,982)	(4,074)	(3,426)	(4,445)	(4,537)	(2,963)	(3,704)	(4,260)
TAKEOFF FIELD LENGTH MTOW, ISA, SL - E5 engines for STD & LR; E5A1 engines for AR version	m	1,483	1,582	1,644	1,612	1,724	2,244	1,598	1,830	2,100	1,742	1,992	2,179
	(ft)	(4,865)	(5,190)	(5,394)	(5,289)	(5,656)	(7,362)	(5,243)	(6,004)	(6,890)	(5,715)	(6,535)	(7,149)
LANDING FIELD LENGTH MLW, ISA, SL	m	1,228		1,241	1,259		1,261	1,226		1,244	1,260		1,275
	(ft)	(4,029)		(4,072)	(4,131)		(4,137)	(4,022)		(4,081)	(4,134)		(4,183)
TAKEOFF FIELD LENGTH TOW for 500nm, full PAX*, ISA, SL, E5 engines	m	1,151			1,266			1,267			1,432		
	(ft)	(3,776)			(4,154)			(4,157)			(4,698)		
TIME TO CLIMB TO FL350 TOW for 500 nm, full PAX*	min	16			18			16			18		
MAX. OPERATING SPEED	Mach	0.82			0.82			0.82			0.82		
SERVICE CEILING	ft	41,000			41,000			41,000			41,000		



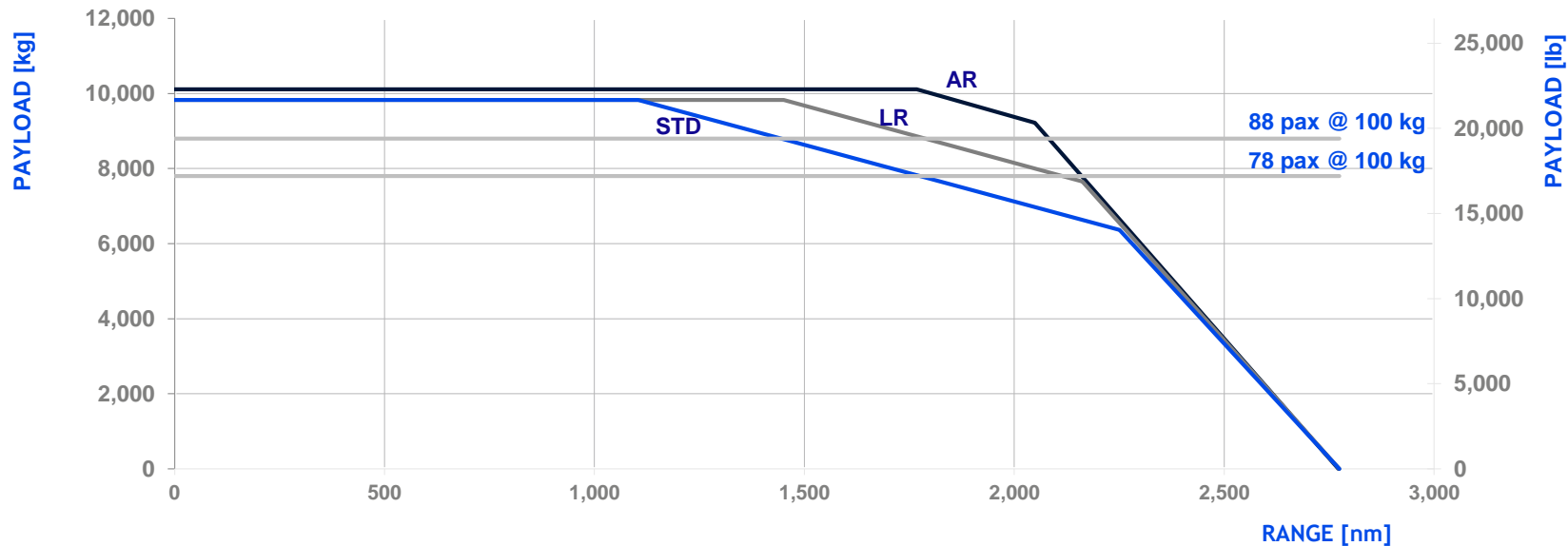
EMBRAER 170 PAYLOAD RANGE



Cruise at M 0.75; typical mission reserves, 100 nm alternate



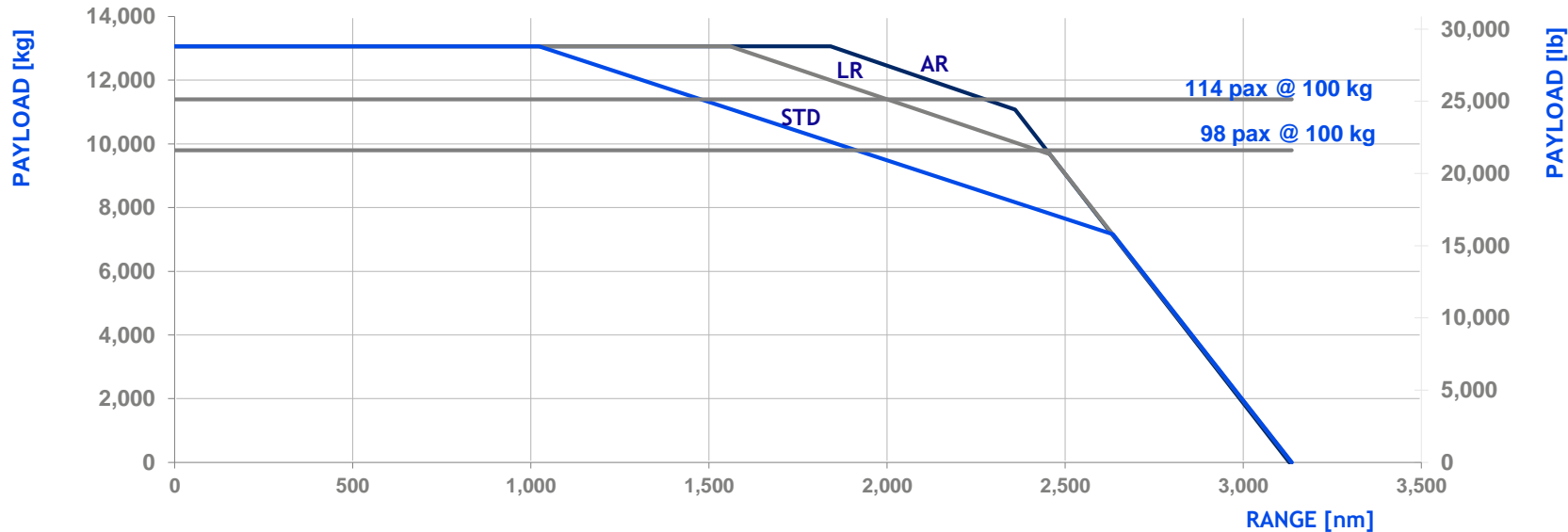
EMBRAER 175 PAYLOAD RANGE



Cruise at M 0.75; typical mission reserves, 100 nm alternate



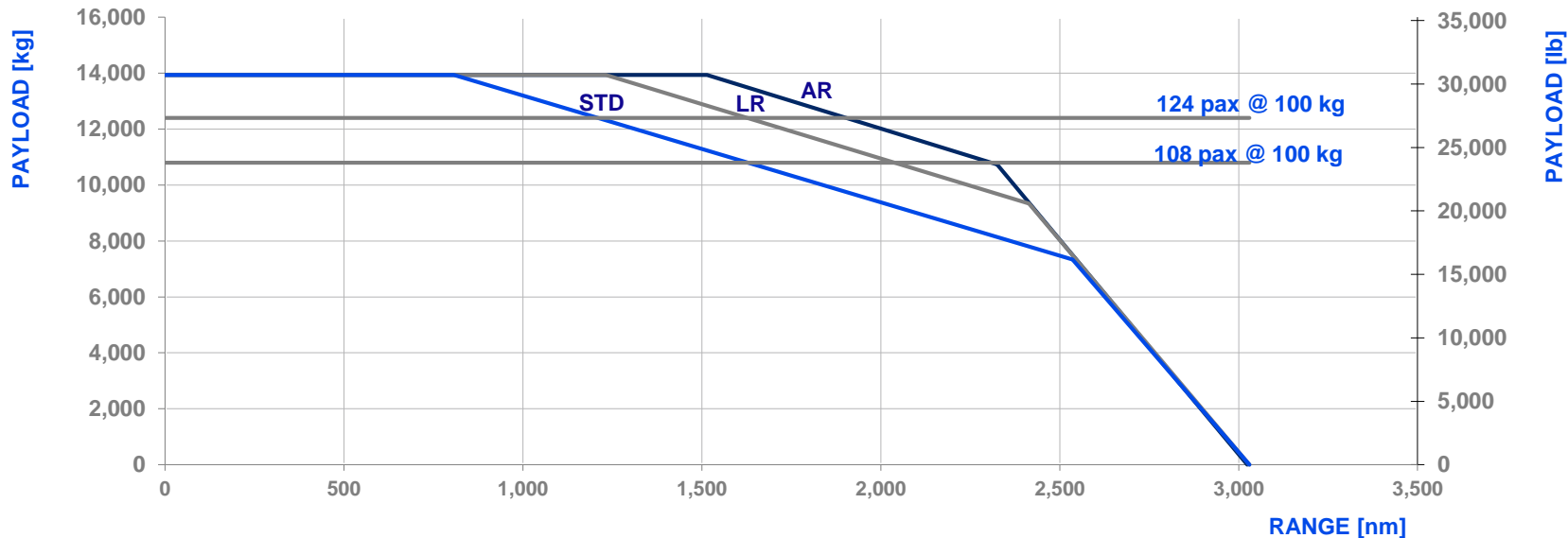
EMBRAER 190 PAYLOAD RANGE



Cruise at M 0.75; typical mission reserves, 100 nm alternate



EMBRAER 195 PAYLOAD RANGE



Cruise at M 0.78; typical mission reserves, 100 nm alternate



CARGO COMPARTMENT CAPACITY

	BAG. COMPARTMENTS GROSS VOLUME - m ³ (ft ³)			BAG. COMPARTMENTS LOAD - kg (lb)		
	FWD	AFT	TOTAL	FWD	AFT	TOTAL
EMBRAER 170	8.59 (303.4)	5.80 (204.8)	14.39 (508.2)	1,370 (3,020)	1,030 (2,271)	2,400 (5,291)
EMBRAER 175	9.92 (350.3)	7.20 (254.3)	17.12 (604.6)	1,500 (3,307)	1,150 (2,535)	2,650 (5,842)
EMBRAER 190	12.41 (438.3)	10.22 (360.9)	22.63 (799.2)	1,850 (4,078)	1,650 (3,638)	3,500 (7,716)
EMBRAER 195	12.71 (448.8)	12.95 (457.3)	25.66 (906.2)	1,900 (4,189)	1,800 (3,968)	3,700 (8,157)

BAGGAGE COMPARTMENT

FULLY EQUIPPED CLASS C
FORWARD AND REAR
CARGO COMPARTMENTS

DOOR CLEARANCE:
0.9 m x 1.1 m
(35.3 in x 43.3 in)

INTERIOR
COMPARTMENT
HEIGHT:
0.94 m (37.0 in)



MORE PASSENGER LIVING SPACE, MORE CARGO

THE 4-ABREAST DOUBLE BUBBLE CABIN CONCEPT

The E-Jets Cabin design is based on the

“Double Bubble Concept”

The Widest Aisle

The Widest Seat

More personal space

More space for Cabin Luggage

More volume in the Cargo Compartment





NO MIDDLE SEATS

EVERYONE GETS WINDOW OR AISLE

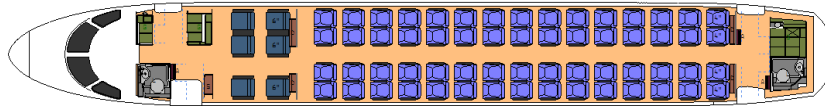




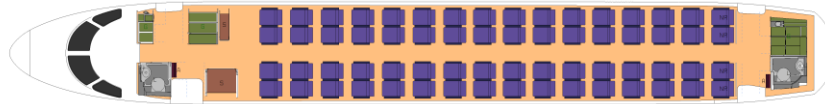
LOPAs

EMBRAER 170

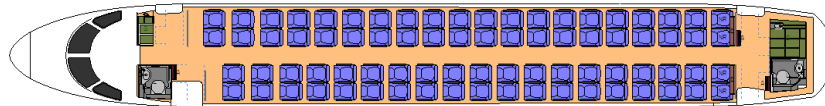
66 SEATS
DUAL CLASS
40" FIRST CLASS & 32"
ELITE SEAT



64 SEATS
SINGLE CLASS
35"/34"
ELITE SEAT



78 SEATS
SINGLE CLASS
33"/31"/30"
ELITE SEAT

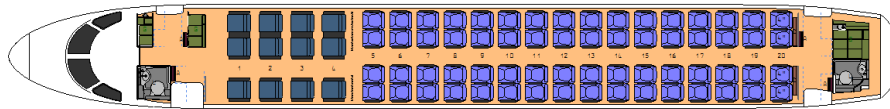




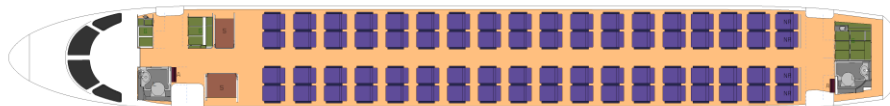
LOPAs

EMBRAER 175

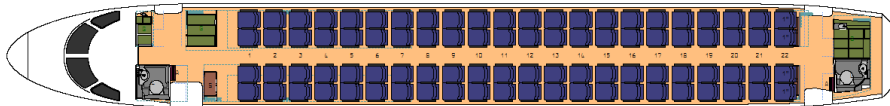
76 SEATS
DUAL CLASS
36" FIRST CLASS & 31"
ELITE SEAT



72 SEATS
SINGLE CLASS – 35"/32"
ELITE SEAT



88 SEATS
SINGLE CLASS – 29"
SLIM SEAT

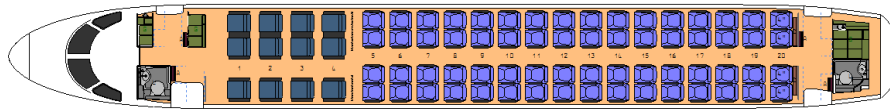




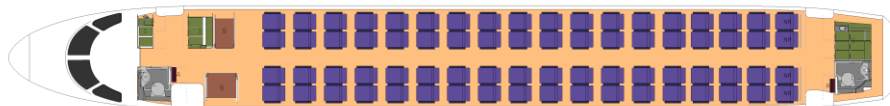
LOPAs

EMBRAER 175

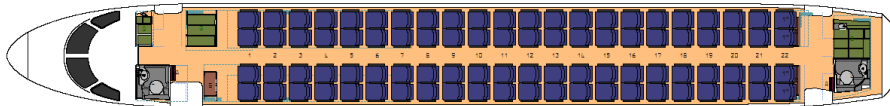
76 SEATS
DUAL CLASS
36" FIRST CLASS & 31"
ELITE SEAT



72 SEATS
SINGLE CLASS – 35"/32"
ELITE SEAT



88 SEATS
SINGLE CLASS – 29"
SLIM SEAT

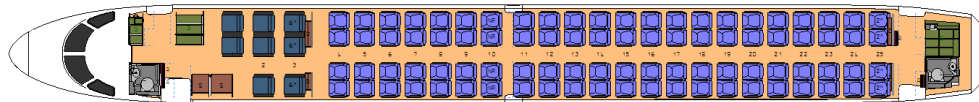




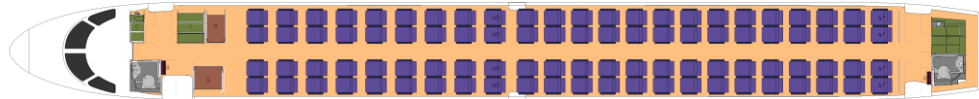
LOPAs

EMBRAER 190

96 SEATS
DUAL CLASS – 38”
FIRST CLASS & 31”
ELITE SEAT



92 SEATS
SINGLE CLASS – 36”/33”
ELITE SEAT



114 SEATS
SINGLE CLASS 30”/29”
SLIM SEAT

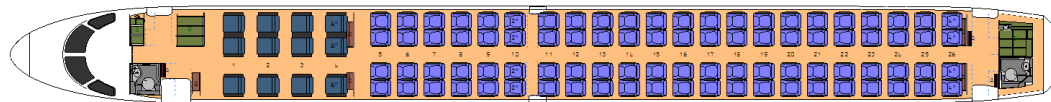




LOPAs

EMBRAER 195

100 SEATS
DUAL CLASS – 42”
FIRST CLASS & 33”
ELITE SEAT



108 SEATS
SINGLE CLASS – 34”/33”
ELITE SEAT



124 SEATS
SINGLE CLASS – 31”/30”/29”
SLIM SEAT



RANGE FROM DALLAS

FULL PAX*

Passengers at 100 kg (220 lb)

E170/175 CRUISE AT M 0.75

E190/195 CRUISE AT M 0.78

85% ANNUAL WINDS

FAR DOMESTIC RESERVES

100 nm alternate

- EMBRAER 170 AR - 70 seats
- EMBRAER 175 AR - 78 seats
- EMBRAER 190 AR - 98 seats
- EMBRAER 195 AR - 118 seats

(*) Single-class seating at 32" pitch





RANGE FROM PARIS

FULL PAX*

PASSENGERS AT 100 KG (220 LB)

E170/175 CRUISE AT M 0.75

E190/195 CRUISE AT M 0.78

85% ANNUAL WINDS

JAR RESERVES

100 nm alternate

- EMBRAER 170 AR - 70 seats
- EMBRAER 175 AR - 78 seats
- EMBRAER 190 AR - 98 seats
- EMBRAER 195 AR - 118 seats

(*) Single-class seating at 32" pitch





RANGE FROM BANGKOK

FULL PAX*

PASSENGERS AT 100 KG (220 LB)

E170/175 CRUISE AT M 0.75

E190/195 CRUISE AT M 0.78

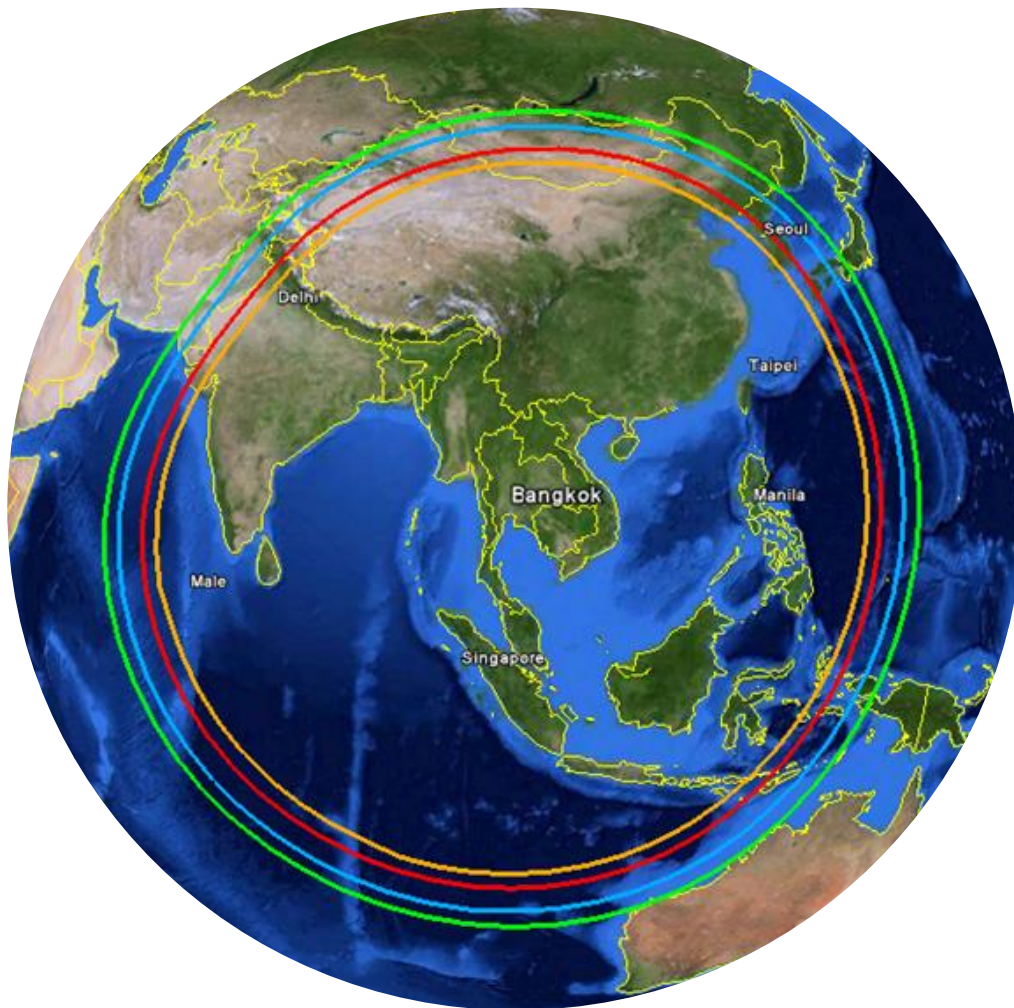
85% ANNUAL WINDS

FAR INTERNATIONAL RESERVES

100 nm alternate

- EMBRAER 170 AR - 70 seats
- EMBRAER 175 AR - 78 seats
- EMBRAER 190 AR - 98 seats
- EMBRAER 195 AR - 118 seats

(*) Single-class seating at 32" pitch





RANGE FROM BEIJING

FULL PAX*

PASSENGERS AT 100 KG (220 LB)

E170/175 CRUISE AT M 0.75

E190/195 CRUISE AT M 0.78

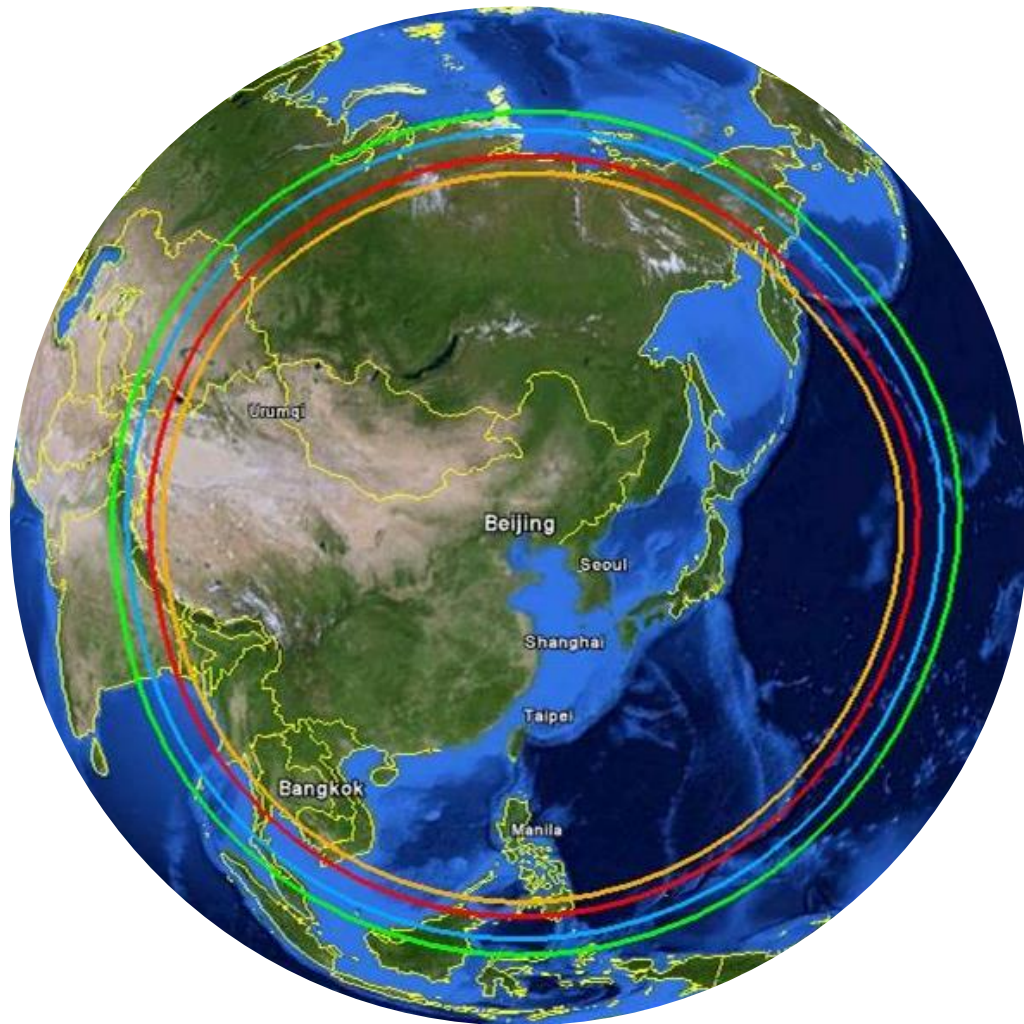
85% ANNUAL WINDS

CAAC RESERVES

100 nm alternate

- EMBRAER 170 AR - 70 seats
- EMBRAER 175 AR - 78 seats
- EMBRAER 190 AR - 98 seats
- EMBRAER 195 AR - 118 seats

(*) Single-class seating at 32" pitch





RANGE FROM BRASILIA

FULL PAX*

PASSENGERS AT 100 KG (220 LB)

E170/175 CRUISE AT M 0.75

E190/195 CRUISE AT M 0.78

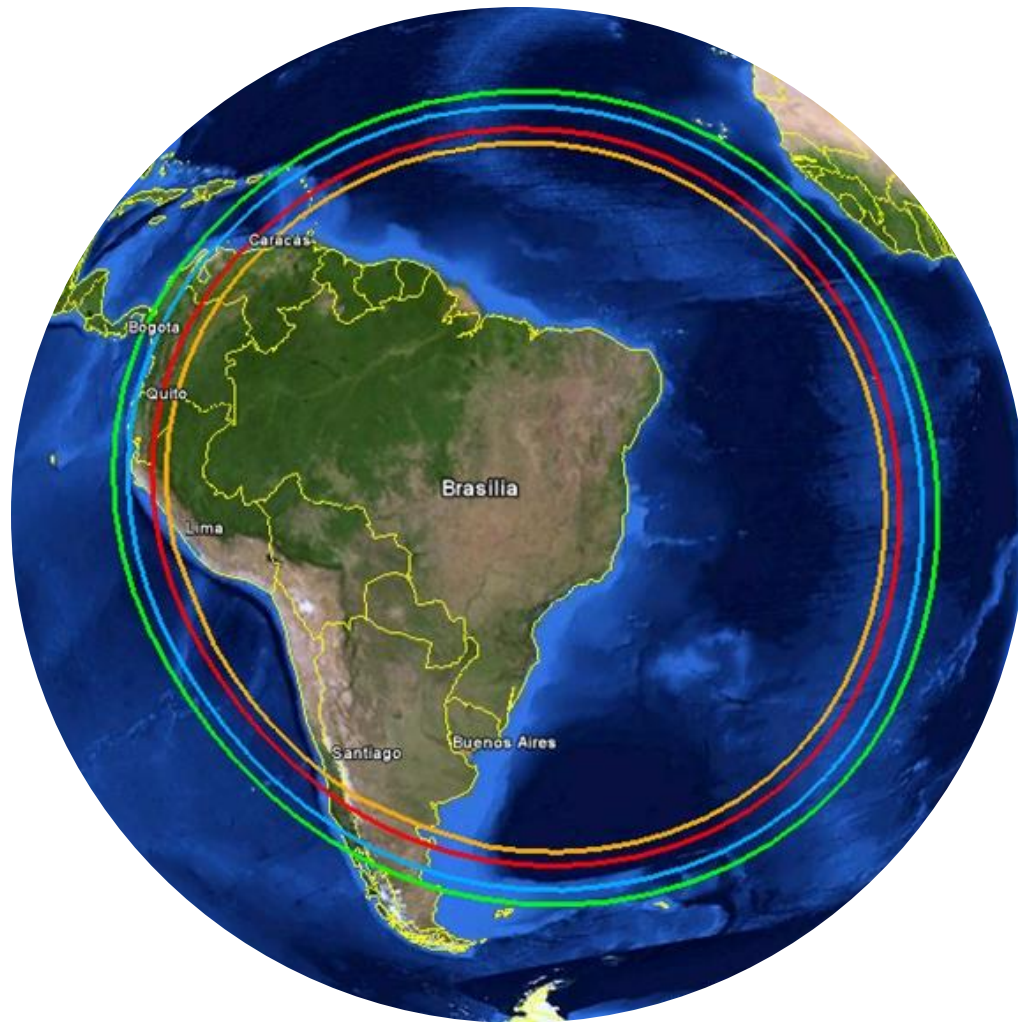
85% ANNUAL WINDS

FAR INTERNATIONAL RESERVES

100 nm alternate

- EMBRAER 170 AR - 70 seats
- EMBRAER 175 AR - 78 seats
- EMBRAER 190 AR - 98 seats
- EMBRAER 195 AR - 118 seats

(*) Single-class seating at 32" pitch





04. SERVICES & SUPPORT



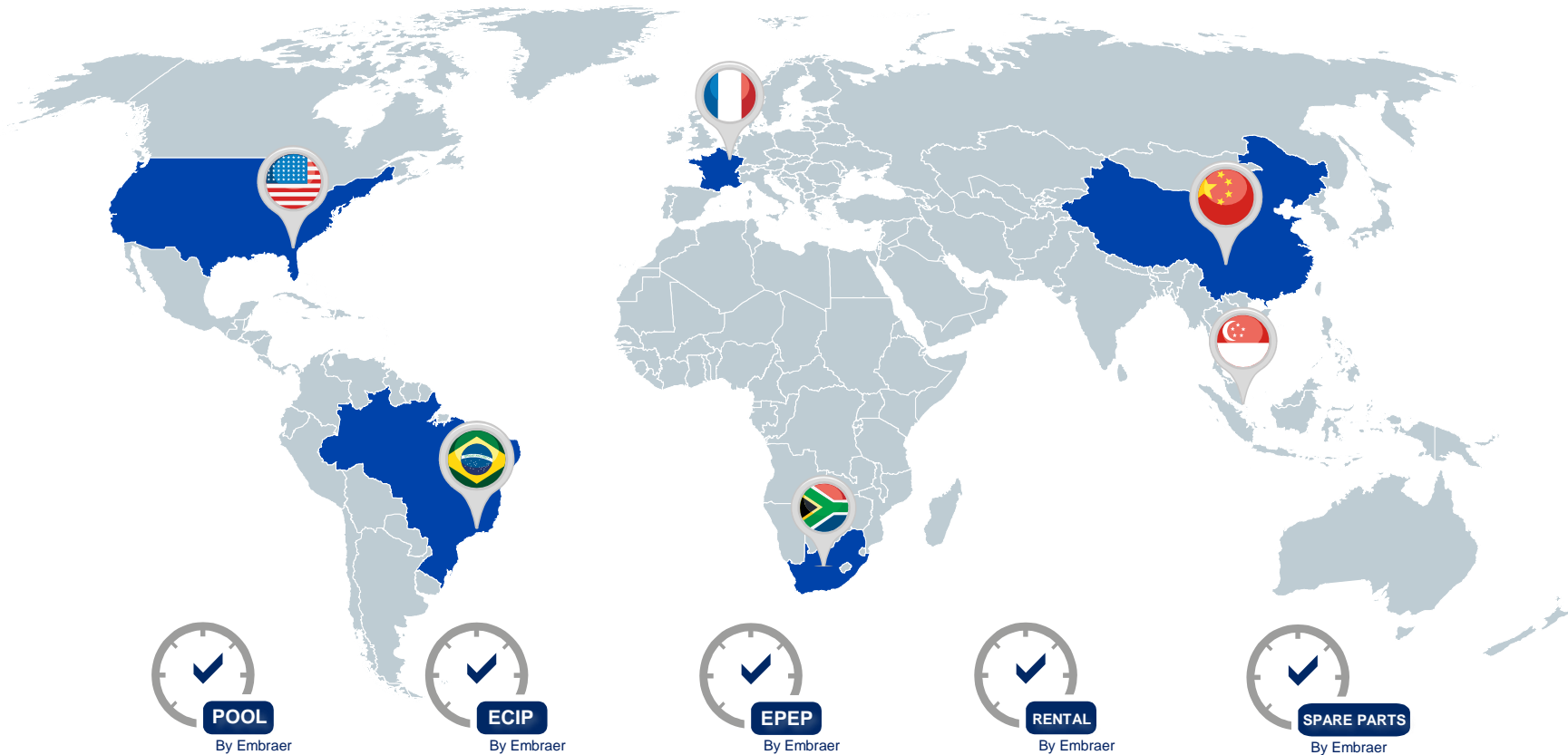


**OUR PORTFOLIO
OF SERVICES
IS DESIGNED AROUND
YOUR SPECIFIC NEEDS.
LET US KNOW HOW
WE CAN HELP.**





MATERIAL SERVICES GLOBAL PRESENCE





MRO PRESENCE

EMEA Region

Embraer Owned Service Center

OGMA - Portugal

Embraer Authorized Service Centers

LOTAMS – Poland

Kenya Airways – Kenya

Lanseria Jet Centre – South Africa

Recognized independent MROs

Jordan

Egypt



EMEA Region

Flight Safety International

Paris

Independent providers

Jordan

UK

Germany

Netherlands





05. APPENDIX



EMBRAER SOCIAL MEDIA

<https://embraer.com/global/en> (Embraer Website)

<https://www.embraercommercialaviation.com/> (Embraer Commercial Aviation Website)

<https://www.youtube.com/user/Embraer>

<https://www.instagram.com/embraer/>

<https://twitter.com/embraer>

<https://www.facebook.com/Embraer/>

<https://www.linkedin.com/company/embraer/mycompany/>



EMBRAER RECOMMENDED VIDEOS ON EMBRAER YOUTUBE CHANNEL

Insights for a Different World - Rightsizing: <https://www.youtube.com/watch?v=yQzltwwHYel>

E-Jets Program – 1,600th delivered: <https://www.youtube.com/watch?v=8eZtOG-J6Ys>

Embraer 50 years timeline: <https://www.youtube.com/watch?v=K7-5mg5YsIM>

E2 Briefing: <https://www.youtube.com/watch?v=dudEvckP430>

E190-E2 First Flight Achievements: <https://www.youtube.com/watch?v=-noUHbs4Ym0>

E195-E2 First Flight: <https://www.youtube.com/watch?v=fWQPBANQMhQ>

E190-E2 First Flight – 360 Experience: <https://www.youtube.com/watch?v=63TWNgr1Tlw>



EMBRAER APM (AIRPORT PLANNING MANUAL)

E2 APM:

https://www.flyembraer.com/irj/go/km/docs/download_center/Anonymous/Ergonomia/Home%20Page/Documents/APM_E-JetsE2.PDF

E195 APM:

https://www.flyembraer.com/irj/go/km/docs/download_center/Anonymous/Ergonomia/Home%20Page/Documents/APM_195.pdf

E190 APM:

https://www.flyembraer.com/irj/go/km/docs/download_center/Anonymous/Ergonomia/Home%20Page/Documents/APM_190.pdf

E175 APM:

https://www.flyembraer.com/irj/go/km/docs/download_center/Anonymous/Ergonomia/Home%20Page/Documents/APM_175.pdf

E170 APM:

https://www.flyembraer.com/irj/go/km/docs/download_center/Anonymous/Ergonomia/Home%20Page/Documents/APM_170.pdf

All Embraer Aircraft APMs (E2, E-Jets, ERJs and EMB120) are public accessibly on: <https://www.flyembraer.com/irj/portal/anonymous#>



THANK YOU