

EMBRAER 170

Performance

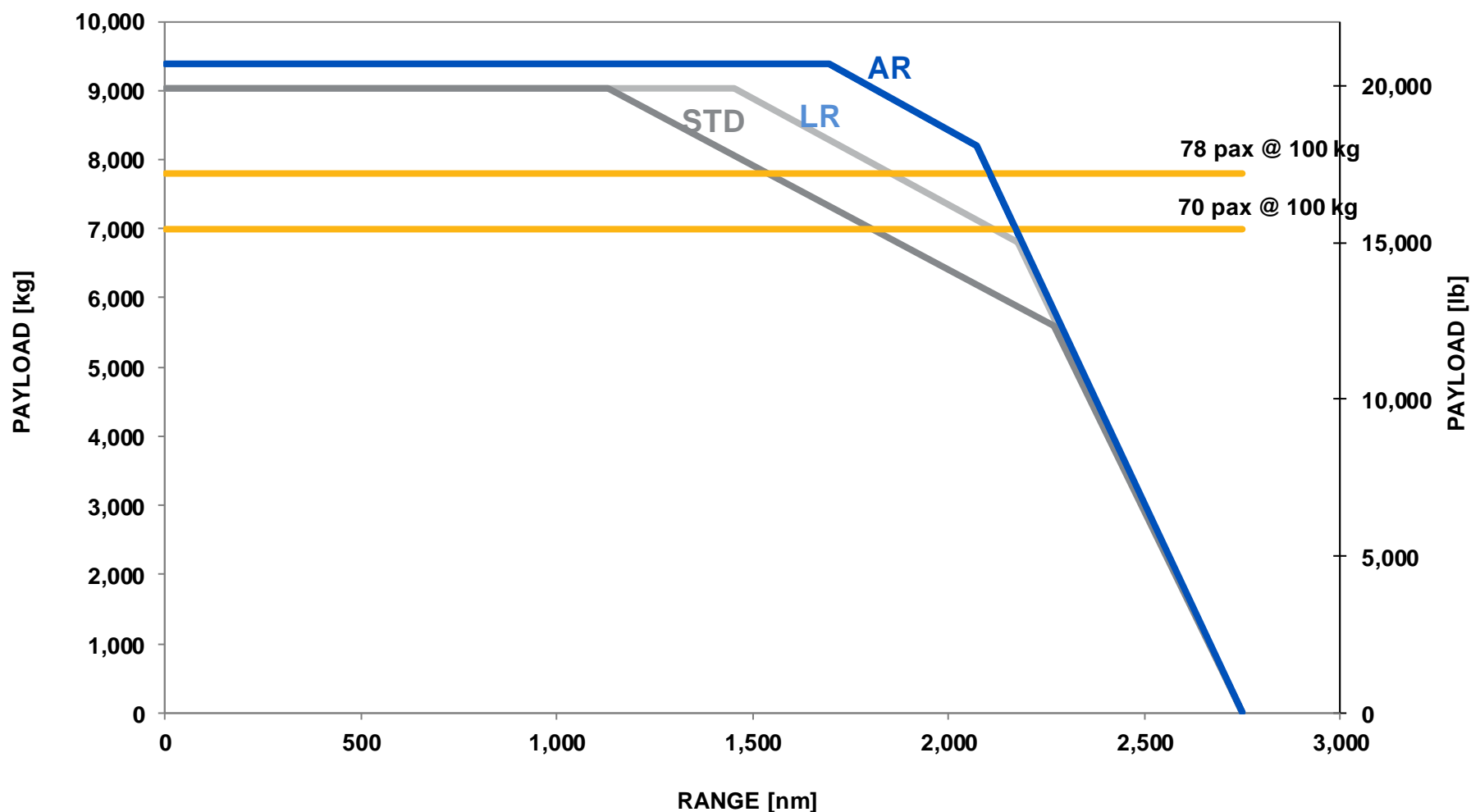
June 2014

EMBRAER 170 Performance Characteristics

		STD	LR	AR
Range	<i>nm</i>	1,800	2,100	2,150
Full PAX*, LRC, typical mission reserves	(km)	(3,334)	(3,889)	(3,982)
Takeoff field length	<i>m</i>	1,483	1,582	1,644
MTOW, ISA, SL - E5 engines for STD & LR; E5A1 engines for AR version	(ft)	(4,865)	(5,190)	(5,394)
Landing field length	<i>m</i>	1,228		1,241
MLW, ISA, SL	(ft)	(4,029)		(4,072)
Takeoff field length	<i>m</i>		1,151	
TOW for 500nm, full PAX*, ISA, SL, E5 engines	(ft)		(3,776)	
Time to climb to FL350	<i>min</i>		16	
TOW for 500 nm, full PAX*				
Max. operating speed	Mach		0.82	
Service ceiling	(ft)		41,000	

Notes: (*) Single-class seating at 32" pitch; Passengers at 100 kg (220 lb)

EMBRAER 170 Payload range



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