



LEADING PARTICULARS

Maximum take-off weight	50700 lb	23000 kg
Maximum landing weight	48500 lb	22000 kg
Maximum zero fuel weight	44090 lb	20000 kg
Operational empty weight (average)	31600 lb	14334 kg
Maximum payload	12490 lb	5665 kg
Maximum fuel capacity	9370 lb	4250 kg
Maximum cruise speed	370 kt	
Maximum operating altitude	31000 ft	9450 m

AIRFIELD PERFORMANCE

SL, optimal flaps		ISA	ISA +10°C	ISA +20°C
Maximum take-off weight	lb	50700	50700	50700
	kg	23000	23000	23000
Take-off distance required	ft	4005	4215	4440
	m	1220	1285	1355
5000 ft MSL, optimal flaps		ISA	ISA +10°C	ISA +20°C
Maximum take-off weight	lb	50700	50700	50700
	kg	23000	23000	23000
Take-off distance required	ft	5005	5250	5595
	m	1525	1600	1705

SECTOR PERFORMANCE

SL, ISA, optimal flaps, max cruise		100 nm	200 nm	300 nm	400 nm	500 nm
Take-off weight	lb	46630	47255	47830	48310	48870
	kg	21150	21435	21695	21915	22165
Block fuel	lb	1010	1605	2150	2610	3140
	kg	460	730	975	1185	1425
Block time (5 min ground time)	min	31	48	65	83	99
Passengers with baggage (214 lb/97 kg each)		50	50	50	50	50
5000 ft MSL, ISA +20°C, optimal flaps, max cruise		100 nm	200 nm	300 nm	400 nm	500 nm
Take-off weight	lb	46485	47085	47645	48115	48670
	kg	21085	21355	21610	21825	22075
Block fuel	lb	980	1555	2090	2530	3060
	kg	445	705	950	1150	1390
Block time (5 min ground time)	min	29	46	63	81	98
Passengers with baggage (214 lb/97 kg each)		50	50	50	50	50

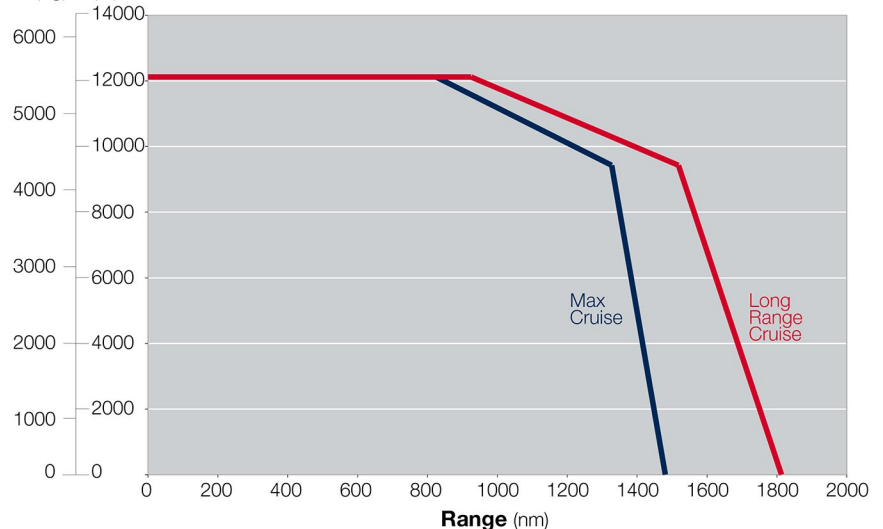
PAYLOAD RANGE

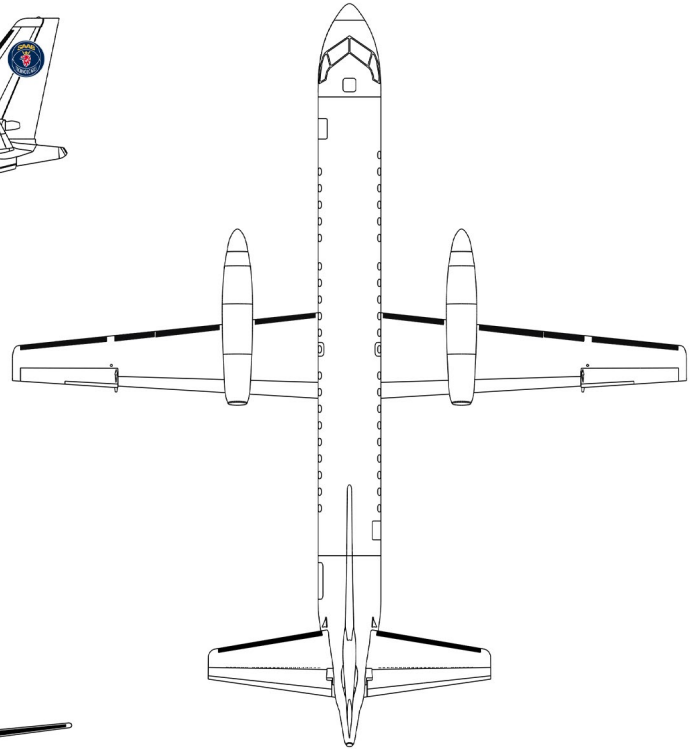
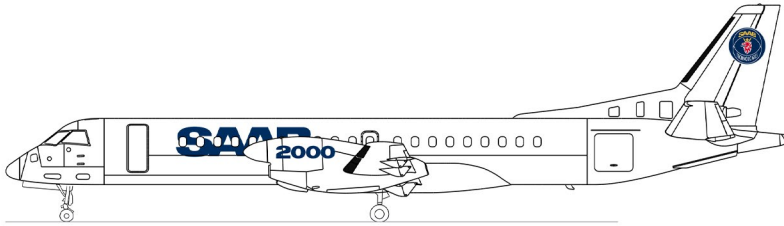
	Max cruise	Long range cruise
50 passengers with baggage (214 lb/97 kg each)	1030 nm	1170 nm
Maximum payload	825 nm	925 nm

CERTIFIED NOISE LEVELS

Fly-over	EPNdB	79.1
Sideline	EPNdB	86.9
Approach	EPNdB	87.9

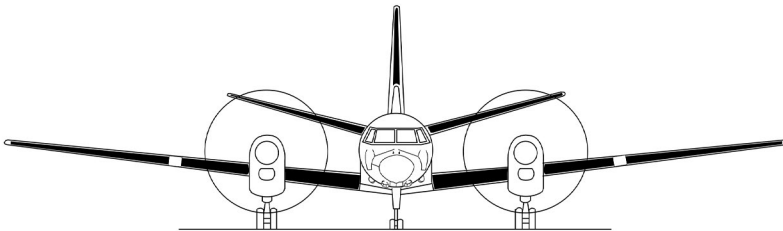
Payload





LEADING PARTICULARS

Length	89 ft 6 in	27.28 m
Height	25 ft 4 in	7.73 m
Wing span	81 ft 3 in	24.76 m
Propeller ground clearance	1 ft 6 in	0.46 m
Cargo door (H x W)	51 in x 53 in	1.30 m x 1.35 m
Sill height, passenger door	5 ft 11 in	1.80 m
Sill height, cargo door	7 ft 7 in	2.31 m

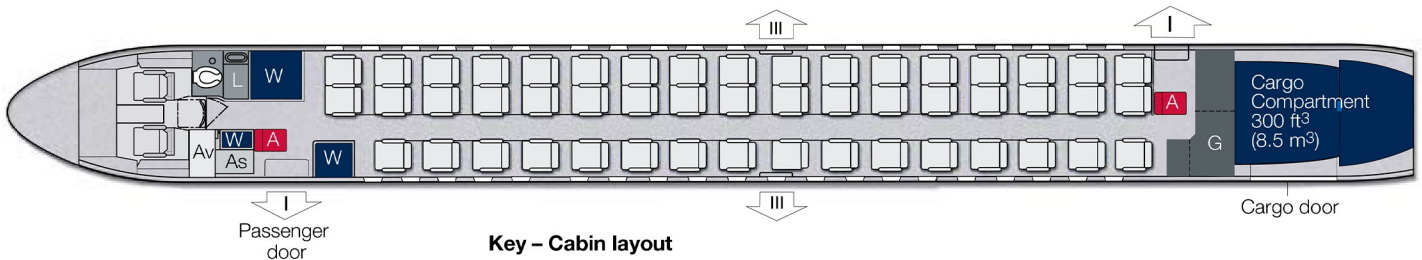


ENGINE

(2) Allison AE2100A

Maximum take-off power (ISA, APR)	4152 shp
Propeller	Dowty Rotol
APU	Sundstrand

LAYOUT (TYPICAL)



Key - Cabin layout

As Airstair (stowed)	A Flight attendant's seat	L Lavatory	Exit Door
Av Avionics	G Galley	W Wardrobe	

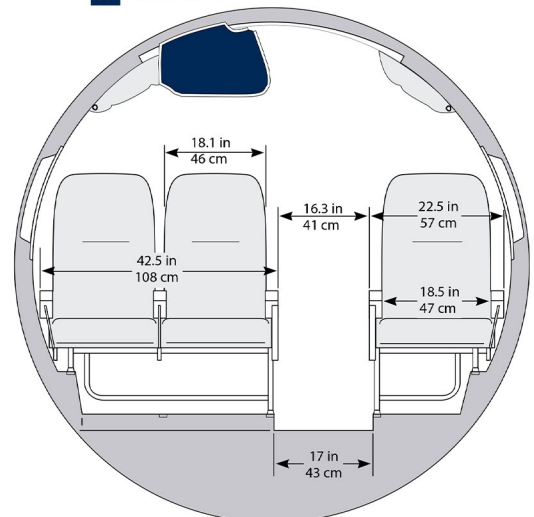
CAPACITY

50 seats at 32 inch pitch

Cabin length	54 ft 9 in	16.7 m
Cabin width	7 ft 1 in	2.2 m
Headroom	6 ft 0 in	1.8 m
Aisle width	16.3 in	0.4 m
Max cabin pressure differential	7.0 psi	49.2 kPa
Cabin volume	1860 ft ³	52.7 m ³
Active noise control	standard	

BAGGAGE VOLUME

Overhead bin	52.7 ft ³	1.47 m ³
Underseat	61.9 ft ³	1.75 m ³
Rear cargo	300 ft ³	8.50 m ³
Baggage volume/pax	8.3 ft ³	0.23 m ³



Gen III