

AIRFLOW

	ES150	ES200	ES100N
ON HIGH SPEED OPERATION	800 m ³ /h	1012 m ³ /h	580 m ³ /h

WEIGHT

CONDENSER	39 kg
EVAPORATOR ES150 (MAX)	14 kg
EVAPORATOR ES200 (MAX)	15 kg
EVAPORATOR 2 X ES1000N MAX	18 kg

HEATING CAPACITY Ambient temperature of -18°C (only available for R-452A models)

RETURN AIR EVAPORATOR	18°C	18°C
CAPACITY ON ENGINE POWER	1300 W	1300 W
CAPACITY ON ELECTRICAL STAND-BY	1300 W	1300 W

COOLING CAPACITY Ambient temperature of +30°C

E-200 20 MODELS (R-134a)

	ES150	ES200
RETURN AIR EVAPORATOR	0°C	0°C
CAPACITY ON ENGINE POWER	1507 W	1414 W
CAPACITY ON ELECTRICAL STAND-BY	1511 W	1413 W

E-200 MAX 50 MODELS (R-452A)

	Single Temperature Models				Spectrum	
	ES150		ES200		2 X ES100N ⁽¹⁾	
	0°C	-20°C	0°C	-20°C	0°C	-20°C
RETURN AIR EVAPORATOR	0°C	-20°C	0°C	-20°C	0°C	-20°C
CAPACITY ON ENGINE POWER	1958 W	1071 W	1744 W	932 W	-	820 W
CAPACITY ON ELECTRICAL STAND-BY	1947 W	1074 W	1780 W	921 W	-	825 W

⁽¹⁾ ES100N is interchangeable with ES100.

IMPRESSIVE CONSUMPTION* LEVELS

The E-200 is designed to require the least energy possible to run effectively. For diesel-engine vehicles a 12V alternator providing a minimum of 180 amps is typically sufficient (as long as instruction in the conversion manual are correctly followed). For electric vehicles, a 12V auxiliary battery should suffice, though this depends upon the refrigeration capacity required:

		MAX POWER		MIN POWER	
		Capacity	Current	Capacity	Current
R-134a	ES150	1507 W	87 A	1130 W	70 A
	ES200	1404 W	93 A	1061 W	75 A
R-452A	ES150	1958 W	114 A	1259 W	71 A
	ES200	1744 W	120 A	1121 W	75 A
	2X ES100N	1578 W	120 A	1014 W	75 A

* Consumption measurements tested at 14V, and accuracy of consumption (current) is +/- 5 amps.

SUGGESTED BOX VOLUMES

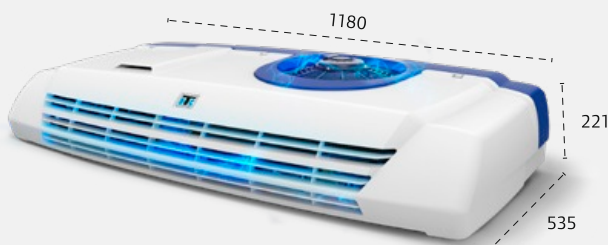
Volumes can differ based on several aspects, such as ambient temperature, number of door opening, duration of each door opening, duration of vehicle engine off per each door opening:

AMBIENT		Door opening 2/h acc DIN 8959					
		HEATING MODE		COOLING MODE			
		-18°C		30°C			
SET POINT		+18°C	+5°C	Frozen	Fresh	Ambient	
K=0,7	R-134a	ES150	n/a	n/a	n/a	10m³	12m³
		ES200	n/a	n/a	n/a	9m³	12m³
K=0,4	R-134a	ES150	n/a	n/a	n/a	13m³	14m³
		ES200	n/a	n/a	n/a	13m³	14m³
K=0,7	R-452A	ES150	4m³	7m³	n/a	10m³	12m³
		ES200	4m³	7m³	n/a	9m³	12m³
K=0,4	R-452A	ES150	6m³	10m³	6m³	13m³	14m³
		ES200	6m³	10m³	5m³	13m³	14m³

DIMENSIONS

The condenser and evap sections are available in:

- 1 ph / 230V / 50Hz or 60Hz
- 1 ph / 115V / 60Hz



ES100N
Ultra Slim



ES100
Ultra Slim



ES150 MAX
Ultra Slim



ES200
Ultra Slim