



## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV5E/4FE-5.F1Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	16165		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,53		

### Point A: Parameters at full load and ambient temperature 32°C

Rated cooling capacity	P <sub>A</sub>	9,28		kW
Rated power input	D <sub>A</sub>	4,44		kW
Rated COP	COP <sub>A</sub>	2,09		

### Point B: Parameters at part load and ambient temperature 25°C

Declared cooling capacity	P <sub>B</sub>	8,40		kW
Declared power input	D <sub>B</sub>	3,22		kW
Declared COP	COP <sub>B</sub>	2,61		

### Point C: Parameters at part load and ambient temperature 15°C

Declared cooling capacity	P <sub>C</sub>	7,02		kW
Declared power input	D <sub>C</sub>	1,99		kW
Declared COP	COP <sub>C</sub>	3,52		

### Point D: Parameters at part load and ambient temperature 5°C

Declared cooling capacity	P <sub>D</sub>	5,69		kW
Declared power input	D <sub>D</sub>	1,35		kW
Declared COP	COP <sub>D</sub>	4,23		

### Point E: Parameters at full load and ambient temperature 43°C (information only)

Declared cooling capacity	P <sub>E</sub>	7,82		kW
Declared power input	D <sub>E</sub>	4,64		kW
Declared COP	COP <sub>E</sub>	1,69		

### Other items

Capacity control	stepless		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	

Additional document: [Declaration of Conformity AC-503](#)

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\* Symbols taken from english version of the Regulation 2015/1095



## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV5E/4FE-5.F1Y

Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	26956	21373	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,40	1,84	

### Point A: Parameters at full load and ambient temperature 32°C

Rated cooling capacity	P <sub>A</sub>	14,89	5,27	kW
Rated power input	D <sub>A</sub>	8,54	4,30	kW
Rated COP	COP <sub>A</sub>	1,74	1,22	

### Point B: Parameters at part load and ambient temperature 25°C

Declared cooling capacity	P <sub>B</sub>	13,49	5,04	kW
Declared power input	D <sub>B</sub>	5,68	3,46	kW
Declared COP	COP <sub>B</sub>	2,37	1,46	

### Point C: Parameters at part load and ambient temperature 15°C

Declared cooling capacity	P <sub>C</sub>	11,14	4,68	kW
Declared power input	D <sub>C</sub>	3,29	2,58	kW
Declared COP	COP <sub>C</sub>	3,38	1,82	

### Point D: Parameters at part load and ambient temperature 5°C

Declared cooling capacity	P <sub>D</sub>	9,09	4,28	kW
Declared power input	D <sub>D</sub>	2,15	2,06	kW
Declared COP	COP <sub>D</sub>	4,23	2,07	

### Point E: Parameters at full load and ambient temperature 43°C (information only)

Declared cooling capacity	P <sub>E</sub>	11,88	4,26	kW
Declared power input	D <sub>E</sub>	8,88	4,32	kW
Declared COP	COP <sub>E</sub>	1,34	0,99	

### Other items

Capacity control	stepless		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	

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## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV5E/4FE-5.F1Y

Refrigerant: R407A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	25975		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,27		

### Point A: Parameters at full load and ambient temperature 32°C

Rated cooling capacity	P <sub>A</sub>	13,81	Error: -86	kW
Rated power input	D <sub>A</sub>	7,56		kW
Rated COP	COP <sub>A</sub>	1,83		

### Point B: Parameters at part load and ambient temperature 25°C

Declared cooling capacity	P <sub>B</sub>	12,39		kW
Declared power input	D <sub>B</sub>	5,26		kW
Declared COP	COP <sub>B</sub>	2,35		

### Point C: Parameters at part load and ambient temperature 15°C

Declared cooling capacity	P <sub>C</sub>	10,48		kW
Declared power input	D <sub>C</sub>	3,29		kW
Declared COP	COP <sub>C</sub>	3,18		

### Point D: Parameters at part load and ambient temperature 5°C

Declared cooling capacity	P <sub>D</sub>	8,37		kW
Declared power input	D <sub>D</sub>	2,05		kW
Declared COP	COP <sub>D</sub>	4,08		

### Point E: Parameters at full load and ambient temperature 43°C (information only)

Declared cooling capacity	P <sub>E</sub>	11,47		kW
Declared power input	D <sub>E</sub>	7,86		kW
Declared COP	COP <sub>E</sub>	1,46		

### Other items

Capacity control	stepless		
Reference temperature	Dew point temp.		
Suction gas temperature	to <sub>H</sub>	20°C	
Power voltage	Net	400V/50Hz	

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SEPR Declaration Model: LHV5E/4FE-5.F1Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	24542		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,23		

### Point A: Parameters at full load and ambient temperature 32°C

Rated cooling capacity	P <sub>A</sub>	12,91		kW
Rated power input	D <sub>A</sub>	6,84		kW
Rated COP	COP <sub>A</sub>	1,89		

### Point B: Parameters at part load and ambient temperature 25°C

Declared cooling capacity	P <sub>B</sub>	11,67		kW
Declared power input	D <sub>B</sub>	4,94		kW
Declared COP	COP <sub>B</sub>	2,36		

### Point C: Parameters at part load and ambient temperature 15°C

Declared cooling capacity	P <sub>C</sub>	9,72		kW
Declared power input	D <sub>C</sub>	3,10		kW
Declared COP	COP <sub>C</sub>	3,14		

### Point D: Parameters at part load and ambient temperature 5°C

Declared cooling capacity	P <sub>D</sub>	7,97		kW
Declared power input	D <sub>D</sub>	1,98		kW
Declared COP	COP <sub>D</sub>	4,02		

### Point E: Parameters at full load and ambient temperature 43°C (information only)

Declared cooling capacity	P <sub>E</sub>	10,65		kW
Declared power input	D <sub>E</sub>	6,99		kW
Declared COP	COP <sub>E</sub>	1,52		

### Other items

Capacity control	stepless		
Reference temperature	Dew point temp.		
Suction gas temperature	to <sub>H</sub>	20°C	
Power voltage	Net	400V/50Hz	

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## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV5E/4FE-5.F1Y

Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	27568		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,25		

### Point A: Parameters at full load and ambient temperature 32°C

Rated cooling capacity	P <sub>A</sub>	14,57	Error: -86	kW
Rated power input	D <sub>A</sub>	8,04		kW
Rated COP	COP <sub>A</sub>	1,81		

### Point B: Parameters at part load and ambient temperature 25°C

Declared cooling capacity	P <sub>B</sub>	13,17		kW
Declared power input	D <sub>B</sub>	5,68		kW
Declared COP	COP <sub>B</sub>	2,32		

### Point C: Parameters at part load and ambient temperature 15°C

Declared cooling capacity	P <sub>C</sub>	10,96		kW
Declared power input	D <sub>C</sub>	3,47		kW
Declared COP	COP <sub>C</sub>	3,16		

### Point D: Parameters at part load and ambient temperature 5°C

Declared cooling capacity	P <sub>D</sub>	8,77		kW
Declared power input	D <sub>D</sub>	2,16		kW
Declared COP	COP <sub>D</sub>	4,07		

### Point E: Parameters at full load and ambient temperature 43°C (information only)

Declared cooling capacity	P <sub>E</sub>	12,21		kW
Declared power input	D <sub>E</sub>	8,35		kW
Declared COP	COP <sub>E</sub>	1,46		

### Other items

Capacity control	stepless		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	

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SEPR Declaration Model: LHV5E/4FE-5.F1Y

Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	26798	21341	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,50	1,93	

### Point A: Parameters at full load and ambient temperature 32°C

Rated cooling capacity	P <sub>A</sub>	15,25	5,52	kW
Rated power input	D <sub>A</sub>	8,55	4,32	kW
Rated COP	COP <sub>A</sub>	1,78	1,28	

### Point B: Parameters at part load and ambient temperature 25°C

Declared cooling capacity	P <sub>B</sub>	13,69	5,28	kW
Declared power input	D <sub>B</sub>	5,59	3,47	kW
Declared COP	COP <sub>B</sub>	2,45	1,52	

### Point C: Parameters at part load and ambient temperature 15°C

Declared cooling capacity	P <sub>C</sub>	11,50	4,83	kW
Declared power input	D <sub>C</sub>	3,30	2,53	kW
Declared COP	COP <sub>C</sub>	3,49	1,91	

### Point D: Parameters at part load and ambient temperature 5°C

Declared cooling capacity	P <sub>D</sub>	9,39	4,48	kW
Declared power input	D <sub>D</sub>	2,15	2,07	kW
Declared COP	COP <sub>D</sub>	4,37	2,17	

### Point E: Parameters at full load and ambient temperature 43°C (information only)

Declared cooling capacity	P <sub>E</sub>	12,09	4,46	kW
Declared power input	D <sub>E</sub>	8,89	4,34	kW
Declared COP	COP <sub>E</sub>	1,36	1,03	

### Other items

Capacity control	stepless		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	

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## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV5E/4FE-5.F1Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	26630	17646	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,27	1,76	

### Point A: Parameters at full load and ambient temperature 32°C

Rated cooling capacity	P <sub>A</sub>	14,16	4,17	kW
Rated power input	D <sub>A</sub>	7,84	3,42	kW
Rated COP	COP <sub>A</sub>	1,81	1,22	

### Point B: Parameters at part load and ambient temperature 25°C

Declared cooling capacity	P <sub>B</sub>	12,74	3,97	kW
Declared power input	D <sub>B</sub>	5,44	2,76	kW
Declared COP	COP <sub>B</sub>	2,34	1,44	

### Point C: Parameters at part load and ambient temperature 15°C

Declared cooling capacity	P <sub>C</sub>	10,77	3,71	kW
Declared power input	D <sub>C</sub>	3,38	2,13	kW
Declared COP	COP <sub>C</sub>	3,18	1,74	

### Point D: Parameters at part load and ambient temperature 5°C

Declared cooling capacity	P <sub>D</sub>	8,62	3,34	kW
Declared power input	D <sub>D</sub>	2,10	1,71	kW
Declared COP	COP <sub>D</sub>	4,11	1,96	

### Point E: Parameters at full load and ambient temperature 43°C (information only)

Declared cooling capacity	P <sub>E</sub>	11,83	--	kW
Declared power input	D <sub>E</sub>	8,15	--	kW
Declared COP	COP <sub>E</sub>	1,45	--	

### Other items

Capacity control	stepless		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	

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## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV5E/4FE-5.F1Y

Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	26648	17588	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,26	1,77	

### Point A: Parameters at full load and ambient temperature 32°C

Rated cooling capacity	P <sub>A</sub>	14,14	4,17	kW
Rated power input	D <sub>A</sub>	7,84	3,42	kW
Rated COP	COP <sub>A</sub>	1,80	1,22	

### Point B: Parameters at part load and ambient temperature 25°C

Declared cooling capacity	P <sub>B</sub>	12,69	3,97	kW
Declared power input	D <sub>B</sub>	5,44	2,76	kW
Declared COP	COP <sub>B</sub>	2,33	1,44	

### Point C: Parameters at part load and ambient temperature 15°C

Declared cooling capacity	P <sub>C</sub>	10,74	3,64	kW
Declared power input	D <sub>C</sub>	3,38	2,09	kW
Declared COP	COP <sub>C</sub>	3,18	1,74	

### Point D: Parameters at part load and ambient temperature 5°C

Declared cooling capacity	P <sub>D</sub>	8,60	3,35	kW
Declared power input	D <sub>D</sub>	2,10	1,71	kW
Declared COP	COP <sub>D</sub>	4,10	1,96	

### Point E: Parameters at full load and ambient temperature 43°C (information only)

Declared cooling capacity	P <sub>E</sub>	11,76	--	kW
Declared power input	D <sub>E</sub>	8,16	--	kW
Declared COP	COP <sub>E</sub>	1,44	--	

### Other items

Capacity control	stepless		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	

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## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV5E/4FE-5.F1Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	14226		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,51		

### Point A: Parameters at full load and ambient temperature 32°C

Rated cooling capacity	P <sub>A</sub>	8,13		kW
Rated power input	D <sub>A</sub>	3,93		kW
Rated COP	COP <sub>A</sub>	2,07		

### Point B: Parameters at part load and ambient temperature 25°C

Declared cooling capacity	P <sub>B</sub>	7,35		kW
Declared power input	D <sub>B</sub>	2,85		kW
Declared COP	COP <sub>B</sub>	2,58		

### Point C: Parameters at part load and ambient temperature 15°C

Declared cooling capacity	P <sub>C</sub>	6,15		kW
Declared power input	D <sub>C</sub>	1,77		kW
Declared COP	COP <sub>C</sub>	3,47		

### Point D: Parameters at part load and ambient temperature 5°C

Declared cooling capacity	P <sub>D</sub>	4,91		kW
Declared power input	D <sub>D</sub>	1,15		kW
Declared COP	COP <sub>D</sub>	4,26		

### Point E: Parameters at full load and ambient temperature 43°C (information only)

Declared cooling capacity	P <sub>E</sub>	6,86		kW
Declared power input	D <sub>E</sub>	4,18		kW
Declared COP	COP <sub>E</sub>	1,64		

### Other items

Capacity control	stepless		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	

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## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV5E/4FE-5.F1Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	16951		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,56		

### Point A: Parameters at full load and ambient temperature 32°C

Rated cooling capacity	P <sub>A</sub>	9,81		kW
Rated power input	D <sub>A</sub>	4,72		kW
Rated COP	COP <sub>A</sub>	2,08		

### Point B: Parameters at part load and ambient temperature 25°C

Declared cooling capacity	P <sub>B</sub>	8,83		kW
Declared power input	D <sub>B</sub>	3,38		kW
Declared COP	COP <sub>B</sub>	2,61		

### Point C: Parameters at part load and ambient temperature 15°C

Declared cooling capacity	P <sub>C</sub>	7,38		kW
Declared power input	D <sub>C</sub>	2,08		kW
Declared COP	COP <sub>C</sub>	3,55		

### Point D: Parameters at part load and ambient temperature 5°C

Declared cooling capacity	P <sub>D</sub>	5,92		kW
Declared power input	D <sub>D</sub>	1,39		kW
Declared COP	COP <sub>D</sub>	4,25		

### Point E: Parameters at full load and ambient temperature 43°C (information only)

Declared cooling capacity	P <sub>E</sub>	8,16		kW
Declared power input	D <sub>E</sub>	4,91		kW
Declared COP	COP <sub>E</sub>	1,66		

### Other items

Capacity control	stepless		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	

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