



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

SEPR Declaration Model: LHV7E/4PE-12.F3Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	40634		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,35		

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

Rated cooling capacity	P <sub>A</sub>	22,1		kW
Rated power input	D <sub>A</sub>	11,38		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>1,95</b>		

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

Declared cooling capacity	P <sub>B</sub>	19,85		kW
Declared power input	D <sub>B</sub>	8,01		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,48</b>		

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

Declared cooling capacity	P <sub>C</sub>	16,73		kW
Declared power input	D <sub>C</sub>	5,18		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,23</b>		

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

Declared cooling capacity	P <sub>D</sub>	13,45		kW
Declared power input	D <sub>D</sub>	3,23		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,16</b>		

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

Declared cooling capacity	P <sub>E</sub>	18,32		kW
Declared power input	D <sub>E</sub>	11,40		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,61</b>		

### 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: LHV7E/4PE-12.F3

Refrigerant: R404A

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

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

Rated cooling capacity	P <sub>A</sub>	Error: -256	Error: -256	kW
Rated power input	D <sub>A</sub>			kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>			

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

Declared cooling capacity	P <sub>B</sub>			kW
Declared power input	D <sub>B</sub>			kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>			

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

Declared cooling capacity	P <sub>C</sub>			kW
Declared power input	D <sub>C</sub>			kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>			

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

Declared cooling capacity	P <sub>D</sub>			kW
Declared power input	D <sub>D</sub>			kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>			

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

Declared cooling capacity	P <sub>E</sub>			kW
Declared power input	D <sub>E</sub>			kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>			

### Other items

Capacity control		stepless	
Reference temperature		Dew point temp.	
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	
Coefficient of degradation for units w/o capacity control**	Cdc	0,25	

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

SEPR Declaration Model: LHV7E/4PE-12.F3

Refrigerant: R407A

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

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

Rated cooling capacity	P <sub>A</sub>	Error: -256	Error: -256	kW
Rated power input	D <sub>A</sub>			kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>			

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

Declared cooling capacity	P <sub>B</sub>			kW
Declared power input	D <sub>B</sub>			kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>			

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

Declared cooling capacity	P <sub>C</sub>			kW
Declared power input	D <sub>C</sub>			kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>			

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

Declared cooling capacity	P <sub>D</sub>			kW
Declared power input	D <sub>D</sub>			kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>			

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

Declared cooling capacity	P <sub>E</sub>			kW
Declared power input	D <sub>E</sub>			kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>			

### Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		
Coefficient of degradation for units w/o capacity control**	Cdc	0,25		

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

SEPR Declaration Model: LHV7E/4PE-12.F3

Refrigerant: R407C

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

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

Rated cooling capacity	P <sub>A</sub>	Error: -256		kW
Rated power input	D <sub>A</sub>			kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>			

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

Declared cooling capacity	P <sub>B</sub>			kW
Declared power input	D <sub>B</sub>			kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>			

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

Declared cooling capacity	P <sub>C</sub>			kW
Declared power input	D <sub>C</sub>			kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>			

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

Declared cooling capacity	P <sub>D</sub>			kW
Declared power input	D <sub>D</sub>			kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>			

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

Declared cooling capacity	P <sub>E</sub>			kW
Declared power input	D <sub>E</sub>			kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>			

### Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		
Coefficient of degradation for units w/o capacity control**	Cdc	0,25		

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

SEPR Declaration Model: LHV7E/4PE-12.F3

Refrigerant: R407F

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

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

Rated cooling capacity	P <sub>A</sub>	Error: -256	Error: -256	kW
Rated power input	D <sub>A</sub>			kW
Rated COP	COP <sub>A</sub>			

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

Declared cooling capacity	P <sub>B</sub>			kW
Declared power input	D <sub>B</sub>			kW
Declared COP	COP <sub>B</sub>			

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

Declared cooling capacity	P <sub>C</sub>			kW
Declared power input	D <sub>C</sub>			kW
Declared COP	COP <sub>C</sub>			

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

Declared cooling capacity	P <sub>D</sub>			kW
Declared power input	D <sub>D</sub>			kW
Declared COP	COP <sub>D</sub>			

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

Declared cooling capacity	P <sub>E</sub>			kW
Declared power input	D <sub>E</sub>			kW
Declared COP	COP <sub>E</sub>			

### Other items

Capacity control		stepless	
Reference temperature		Dew point temp.	
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	
Coefficient of degradation for units w/o capacity control**	Cdc	0,25	

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SEPR Declaration Model: LHV7E/4PE-12.F3

Refrigerant: R507A

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

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

Rated cooling capacity	P <sub>A</sub>	Error: -256	Error: -256	kW
Rated power input	D <sub>A</sub>			kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>			

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

Declared cooling capacity	P <sub>B</sub>			kW
Declared power input	D <sub>B</sub>			kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>			

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

Declared cooling capacity	P <sub>C</sub>			kW
Declared power input	D <sub>C</sub>			kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>			

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

Declared cooling capacity	P <sub>D</sub>			kW
Declared power input	D <sub>D</sub>			kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>			

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

Declared cooling capacity	P <sub>E</sub>			kW
Declared power input	D <sub>E</sub>			kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>			

### Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		
Coefficient of degradation for units w/o capacity control**	Cdc	0,25		

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

SEPR Declaration Model: LHV7E/4PE-12.F3

Refrigerant: R448A

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

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

Rated cooling capacity	P <sub>A</sub>	Error: -21	Error: -21	kW
Rated power input	D <sub>A</sub>			kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>			

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

Declared cooling capacity	P <sub>B</sub>			kW
Declared power input	D <sub>B</sub>			kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>			

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

Declared cooling capacity	P <sub>C</sub>			kW
Declared power input	D <sub>C</sub>			kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>			

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

Declared cooling capacity	P <sub>D</sub>			kW
Declared power input	D <sub>D</sub>			kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>			

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

Declared cooling capacity	P <sub>E</sub>			kW
Declared power input	D <sub>E</sub>			kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>			

### Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		
Coefficient of degradation for units w/o capacity control**	Cdc	0,25		

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

SEPR Declaration Model: LHV7E/4PE-12.F3

Refrigerant: R449A

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

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

Rated cooling capacity	P <sub>A</sub>	Error: -21	Error: -21	kW
Rated power input	D <sub>A</sub>			kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>			

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

Declared cooling capacity	P <sub>B</sub>			kW
Declared power input	D <sub>B</sub>			kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>			

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

Declared cooling capacity	P <sub>C</sub>			kW
Declared power input	D <sub>C</sub>			kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>			

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

Declared cooling capacity	P <sub>D</sub>			kW
Declared power input	D <sub>D</sub>			kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>			

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

Declared cooling capacity	P <sub>E</sub>			kW
Declared power input	D <sub>E</sub>			kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>			

### Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		
Coefficient of degradation for units w/o capacity control**	Cdc	0,25		

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

SEPR Declaration Model: LHV7E/4PE-12.F3Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	37044		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,28		

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

Rated cooling capacity	P <sub>A</sub>	19,75		kW
Rated power input	D <sub>A</sub>	10,16		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>1,94</b>		

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

Declared cooling capacity	P <sub>B</sub>	17,82		kW
Declared power input	D <sub>B</sub>	7,27		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,45</b>		

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

Declared cooling capacity	P <sub>C</sub>	15,06		kW
Declared power input	D <sub>C</sub>	4,77		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,16</b>		

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

Declared cooling capacity	P <sub>D</sub>	12,14		kW
Declared power input	D <sub>D</sub>	2,99		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,06</b>		

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

Declared cooling capacity	P <sub>E</sub>	16,29		kW
Declared power input	D <sub>E</sub>	10,23		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,59</b>		

### 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: LHV7E/4PE-12.F3Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	41934		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,37		

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

Rated cooling capacity	P <sub>A</sub>	23,0		kW
Rated power input	D <sub>A</sub>	12,06		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>1,91</b>		

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

Declared cooling capacity	P <sub>B</sub>	20,6		kW
Declared power input	D <sub>B</sub>	8,35		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,47</b>		

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

Declared cooling capacity	P <sub>C</sub>	17,43		kW
Declared power input	D <sub>C</sub>	5,36		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,26</b>		

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

Declared cooling capacity	P <sub>D</sub>	13,99		kW
Declared power input	D <sub>D</sub>	3,32		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,22</b>		

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

Declared cooling capacity	P <sub>E</sub>	18,88		kW
Declared power input	D <sub>E</sub>	12,08		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,56</b>		

### 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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