



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

SEPR Declaration Model: LHV7E/4VE-7.F3Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	31504		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,40		

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

Rated cooling capacity	P <sub>A</sub>	17,44		kW
Rated power input	D <sub>A</sub>	8,57		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,03</b>		

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

Declared cooling capacity	P <sub>B</sub>	15,64		kW
Declared power input	D <sub>B</sub>	6,19		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,53</b>		

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

Declared cooling capacity	P <sub>C</sub>	13,26		kW
Declared power input	D <sub>C</sub>	4,04		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,29</b>		

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

Declared cooling capacity	P <sub>D</sub>	10,51		kW
Declared power input	D <sub>D</sub>	2,51		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,19</b>		

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

Declared cooling capacity	P <sub>E</sub>	14,48		kW
Declared power input	D <sub>E</sub>	8,78		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,65</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](#)

### Contact details:

BITZER Kühlmaschinenbau GmbH  
Peter-Schaufler-Platz 1  
71065 Sindelfingen  
Deutschland  
Tel +49 (0) 70 31 932-0  
Fax +49 (0) 70 31 932-147  
E-Mail: [bitzer@bitzer.de](mailto:bitzer@bitzer.de)  
Internet: [www.bitzer.de](http://www.bitzer.de)

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



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

SEPR Declaration Model: LHV7E/4VE-7.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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### Contact details:

BITZER Kühlmaschinenbau GmbH  
 Peter-Schaufler-Platz 1  
 71065 Sindelfingen  
 Deutschland  
 Tel +49 (0) 70 31 932-0  
 Fax +49 (0) 70 31 932-147  
 E-Mail: [bitzer@bitzer.de](mailto:bitzer@bitzer.de)  
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## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4VE-7.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/4VE-7.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/4VE-7.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
<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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BITZER Kühlmaschinenbau GmbH  
Peter-Schaufler-Platz 1  
71065 Sindelfingen  
Deutschland  
Tel +49 (0) 70 31 932-0  
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## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4VE-7.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
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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BITZER Kühlmaschinenbau GmbH  
Peter-Schaufler-Platz 1  
71065 Sindelfingen  
Deutschland  
Tel +49 (0) 70 31 932-0  
Fax +49 (0) 70 31 932-147  
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## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4VE-7.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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### Contact details:

BITZER Kühlmaschinenbau GmbH  
Peter-Schaufler-Platz 1  
71065 Sindelfingen  
Deutschland  
Tel +49 (0) 70 31 932-0  
Fax +49 (0) 70 31 932-147  
E-Mail: [bitzer@bitzer.de](mailto:bitzer@bitzer.de)  
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## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4VE-7.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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### Contact details:

BITZER Kühlmaschinenbau GmbH  
Peter-Schaufler-Platz 1  
71065 Sindelfingen  
Deutschland  
Tel +49 (0) 70 31 932-0  
Fax +49 (0) 70 31 932-147  
E-Mail: [bitzer@bitzer.de](mailto:bitzer@bitzer.de)  
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## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4VE-7.F3Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	28281		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,36		

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

Rated cooling capacity	P <sub>A</sub>	15,44		kW
Rated power input	D <sub>A</sub>	7,64		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,02</b>		

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

Declared cooling capacity	P <sub>B</sub>	13,95		kW
Declared power input	D <sub>B</sub>	5,59		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,49</b>		

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

Declared cooling capacity	P <sub>C</sub>	11,63		kW
Declared power input	D <sub>C</sub>	3,58		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,25</b>		

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

Declared cooling capacity	P <sub>D</sub>	9,30		kW
Declared power input	D <sub>D</sub>	2,26		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,11</b>		

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

Declared cooling capacity	P <sub>E</sub>	12,79		kW
Declared power input	D <sub>E</sub>	7,86		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,63</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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### Contact details:

BITZER Kühlmaschinenbau GmbH  
 Peter-Schaufler-Platz 1  
 71065 Sindelfingen  
 Deutschland  
 Tel +49 (0) 70 31 932-0  
 Fax +49 (0) 70 31 932-147  
 E-Mail: [bitzer@bitzer.de](mailto:bitzer@bitzer.de)  
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SEPR Declaration Model: LHV7E/4VE-7.F3Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	33048		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,40		

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

Rated cooling capacity	P <sub>A</sub>	18,25		kW
Rated power input	D <sub>A</sub>	9,08		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,01</b>		

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

Declared cooling capacity	P <sub>B</sub>	16,53		kW
Declared power input	D <sub>B</sub>	6,54		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,53</b>		

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

Declared cooling capacity	P <sub>C</sub>	13,89		kW
Declared power input	D <sub>C</sub>	4,22		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,29</b>		

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

Declared cooling capacity	P <sub>D</sub>	11,21		kW
Declared power input	D <sub>D</sub>	2,68		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,19</b>		

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

Declared cooling capacity	P <sub>E</sub>	15,03		kW
Declared power input	D <sub>E</sub>	9,29		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,62</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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Deutschland  
Tel +49 (0) 70 31 932-0  
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