



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

### SEPR Declaration Model: LH135E/4HE-25Y

#### Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	42971		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,45		

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

Rated cooling capacity	P <sub>A</sub>	24,1		kW
Rated power input	D <sub>A</sub>	9,37		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,57</b>		

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

Declared cooling capacity	P <sub>B</sub>	26,3		kW
Declared power input	D <sub>B</sub>	8,84		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,97</b>		

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

Declared cooling capacity	P <sub>C</sub>	29,4		kW
Declared power input	D <sub>C</sub>	8,00		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,68</b>		

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

Declared cooling capacity	P <sub>D</sub>	32,5		kW
Declared power input	D <sub>D</sub>	7,09		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,58</b>		

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

Declared cooling capacity	P <sub>E</sub>	20,5		kW
Declared power input	D <sub>E</sub>	10,04		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,05</b>		

#### Other items

Capacity control		—		
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		

Additional document: [Declaration of Conformity AC-500](#)

#### 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

\*\* Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.



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

### SEPR Declaration Model: LH135E/4HE-25Y

#### Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	79207	50313	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,84	1,94	

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

Rated cooling capacity	P <sub>A</sub>	36,7	13,10	kW
Rated power input	D <sub>A</sub>	17,38	9,07	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,11</b>	<b>1,44</b>	

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

Declared cooling capacity	P <sub>B</sub>	41,0	14,99	kW
Declared power input	D <sub>B</sub>	16,64	8,97	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,46</b>	<b>1,67</b>	

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

Declared cooling capacity	P <sub>C</sub>	47,1	17,66	kW
Declared power input	D <sub>C</sub>	15,38	8,65	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,07</b>	<b>2,04</b>	

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

Declared cooling capacity	P <sub>D</sub>	53,1	20,3	kW
Declared power input	D <sub>D</sub>	13,89	8,15	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,82</b>	<b>2,49</b>	

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

Declared cooling capacity	P <sub>E</sub>	29,7	10,17	kW
Declared power input	D <sub>E</sub>	18,31	9,04	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,62</b>	<b>1,12</b>	

#### Other items

Capacity control		—		
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		

Additional document: [Declaration of Conformity AC-500](#)

#### 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

\*\* Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.



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

### SEPR Declaration Model: LH135E/4HE-25Y

#### Refrigerant: R407A

Condensing unit with the selected refrigerant at low temperature application (LT) is only intended for deliveries outside the EU. For EU suitable condensing units, see Declaration of Conformity AC-500.

Item	Symbol*	Value	Unit
Evaporating temperature	t	-10	°C
Annual electricity consumption	Q	67554	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,91	

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

Rated cooling capacity	P <sub>A</sub>	32,0	kW
Rated power input	D <sub>A</sub>	14,75	kW
Rated COP	COP <sub>A</sub>	2,17	

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

Declared cooling capacity	P <sub>B</sub>	35,7	kW
Declared power input	D <sub>B</sub>	14,15	kW
Declared COP	COP <sub>B</sub>	2,52	

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

Declared cooling capacity	P <sub>C</sub>	41,0	kW
Declared power input	D <sub>C</sub>	13,10	kW
Declared COP	COP <sub>C</sub>	3,13	

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

Declared cooling capacity	P <sub>D</sub>	46,3	kW
Declared power input	D <sub>D</sub>	11,84	kW
Declared COP	COP <sub>D</sub>	3,91	

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

Declared cooling capacity	P <sub>E</sub>	26,3	kW
Declared power input	D <sub>E</sub>	15,45	kW
Declared COP	COP <sub>E</sub>	1,70	

#### Other items

Capacity control	—		
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	

Additional document: [Declaration of Conformity AC-500](#)

#### 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

\*\* Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.



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

### SEPR Declaration Model: LH135E/4HE-25Y

#### Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	66048		kWh/a
Seasonal Energy Performance Ratio	SEPR	2,96		

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

Rated cooling capacity	P <sub>A</sub>	31,8		kW
Rated power input	D <sub>A</sub>	14,31		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,22</b>		

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

Declared cooling capacity	P <sub>B</sub>	35,2		kW
Declared power input	D <sub>B</sub>	13,70		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,57</b>		

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

Declared cooling capacity	P <sub>C</sub>	40,0		kW
Declared power input	D <sub>C</sub>	12,62		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,17</b>		

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

Declared cooling capacity	P <sub>D</sub>	44,7		kW
Declared power input	D <sub>D</sub>	11,32		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,95</b>		

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

Declared cooling capacity	P <sub>E</sub>	26,4		kW
Declared power input	D <sub>E</sub>	14,98		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,76</b>		

#### Other items

Capacity control		—		
Reference temperature		Dew point temp.		
Suction gas temperature	to <sub>h</sub>	20°C		
Power voltage	Net	400V/50Hz		
Coefficient of degradation for units w/o capacity control**	C <sub>dc</sub>	0,25		

Additional document: [Declaration of Conformity AC-500](#)

#### 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

\*\* Since condensing units are non functional systems C<sub>dc</sub> can not be determined by test. For this reason the default degradation coefficient C<sub>dc</sub> (0.25) has to be applied according to EN 13215, Annex A.



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

### SEPR Declaration Model: LH135E/4HE-25Y

#### Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	74871	42362	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,89	1,73	

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

Rated cooling capacity	P <sub>A</sub>	35,2	9,81	kW
Rated power input	D <sub>A</sub>	16,42	7,88	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,14</b>	<b>1,24</b>	

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

Declared cooling capacity	P <sub>B</sub>	39,0	11,43	kW
Declared power input	D <sub>B</sub>	15,63	7,77	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,49</b>	<b>1,47</b>	

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

Declared cooling capacity	P <sub>C</sub>	44,3	13,77	kW
Declared power input	D <sub>C</sub>	14,32	7,51	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,10</b>	<b>1,83</b>	

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

Declared cooling capacity	P <sub>D</sub>	49,5	16,08	kW
Declared power input	D <sub>D</sub>	12,81	7,17	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,87</b>	<b>2,24</b>	

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

Declared cooling capacity	P <sub>E</sub>	29,2	--	kW
Declared power input	D <sub>E</sub>	17,46	--	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,67</b>	--	

#### Other items

Capacity control		—		
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		

Additional document: [Declaration of Conformity AC-500](#)

#### 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

\*\* Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.



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

### SEPR Declaration Model: LH135E/4HE-25Y

#### Refrigerant: R454C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	64626	38690	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,83	1,66	

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

Rated cooling capacity	P <sub>A</sub>	29,8	8,60	kW
Rated power input	D <sub>A</sub>	13,56	6,63	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,20</b>	<b>1,30</b>	

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

Declared cooling capacity	P <sub>B</sub>	33,0	9,71	kW
Declared power input	D <sub>B</sub>	13,17	6,66	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,51</b>	<b>1,46</b>	

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

Declared cooling capacity	P <sub>C</sub>	37,6	11,26	kW
Declared power input	D <sub>C</sub>	12,39	6,54	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,04</b>	<b>1,72</b>	

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

Declared cooling capacity	P <sub>D</sub>	42,3	12,88	kW
Declared power input	D <sub>D</sub>	11,28	6,13	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,75</b>	<b>2,10</b>	

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

Declared cooling capacity	P <sub>E</sub>	24,4	6,65	kW
Declared power input	D <sub>E</sub>	13,98	6,46	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,74</b>	<b>1,03</b>	

#### Other items

Capacity control		—		
Reference temperature		Dew point temp.		
Suction gas temperature	to <sub>h</sub>	20°C		
Power voltage	Net	400V/50Hz		
Coefficient of degradation for units w/o capacity control**	C <sub>dc</sub>	0,25		

Additional document: [Declaration of Conformity AC-500](#)

#### 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

\*\* Since condensing units are non functional systems C<sub>dc</sub> can not be determined by test. For this reason the default degradation coefficient C<sub>dc</sub> (0.25) has to be applied according to EN 13215, Annex A.



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

### SEPR Declaration Model: LH135E/4HE-25Y

#### Refrigerant: R455A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	70030	40455	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,52	1,53	

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

Rated cooling capacity	P <sub>A</sub>	28,7	8,28	kW
Rated power input	D <sub>A</sub>	14,69	6,92	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>1,95</b>	<b>1,20</b>	

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

Declared cooling capacity	P <sub>B</sub>	32,4	9,62	kW
Declared power input	D <sub>B</sub>	14,35	7,01	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,26</b>	<b>1,37</b>	

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

Declared cooling capacity	P <sub>C</sub>	37,4	11,38	kW
Declared power input	D <sub>C</sub>	13,68	7,03	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>2,73</b>	<b>1,62</b>	

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

Declared cooling capacity	P <sub>D</sub>	42,2	13,10	kW
Declared power input	D <sub>D</sub>	12,74	6,83	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,32</b>	<b>1,92</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		—		
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		

Additional document: [Declaration of Conformity AC-500](#)

#### 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

\*\* Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.



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

### SEPR Declaration Model: LH135E/4HE-25Y

#### Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	79376	50403	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,90	2,03	

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

Rated cooling capacity	P <sub>A</sub>	37,4	13,70	kW
Rated power input	D <sub>A</sub>	17,41	9,07	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,15</b>	<b>1,51</b>	

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

Declared cooling capacity	P <sub>B</sub>	41,9	15,67	kW
Declared power input	D <sub>B</sub>	16,68	8,97	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,51</b>	<b>1,75</b>	

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

Declared cooling capacity	P <sub>C</sub>	48,3	18,46	kW
Declared power input	D <sub>C</sub>	15,44	8,66	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,12</b>	<b>2,13</b>	

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

Declared cooling capacity	P <sub>D</sub>	54,4	21,2	kW
Declared power input	D <sub>D</sub>	13,99	8,17	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,89</b>	<b>2,59</b>	

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

Declared cooling capacity	P <sub>E</sub>	30,2	10,64	kW
Declared power input	D <sub>E</sub>	18,32	9,04	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,65</b>	<b>1,18</b>	

#### Other items

Capacity control	—		
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	

Additional document: [Declaration of Conformity AC-500](#)

#### 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

\*\* Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.





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

### SEPR Declaration Model: LH135E/4HE-25Y

#### Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	72850	43827	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,92	1,79	

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

Rated cooling capacity	P <sub>A</sub>	34,6	10,55	kW
Rated power input	D <sub>A</sub>	15,97	7,91	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,17</b>	<b>1,33</b>	

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

Declared cooling capacity	P <sub>B</sub>	38,3	12,12	kW
Declared power input	D <sub>B</sub>	15,19	7,80	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,52</b>	<b>1,55</b>	

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

Declared cooling capacity	P <sub>C</sub>	43,6	14,34	kW
Declared power input	D <sub>C</sub>	13,91	7,55	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,13</b>	<b>1,90</b>	

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

Declared cooling capacity	P <sub>D</sub>	48,6	16,45	kW
Declared power input	D <sub>D</sub>	12,43	7,20	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,91</b>	<b>2,28</b>	

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

Declared cooling capacity	P <sub>E</sub>	28,7	8,10	kW
Declared power input	D <sub>E</sub>	16,99	7,96	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,69</b>	<b>1,02</b>	

#### Other items

Capacity control	—		
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	

Additional document: [Declaration of Conformity AC-500](#)

#### 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

\*\* Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.



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

### SEPR Declaration Model: LH135E/4HE-25Y

#### Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	72753	43806	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,91	1,79	

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

Rated cooling capacity	P <sub>A</sub>	34,4	10,54	kW
Rated power input	D <sub>A</sub>	15,96	7,91	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,16</b>	<b>1,33</b>	

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

Declared cooling capacity	P <sub>B</sub>	38,2	12,12	kW
Declared power input	D <sub>B</sub>	15,18	7,80	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,51</b>	<b>1,55</b>	

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

Declared cooling capacity	P <sub>C</sub>	43,4	14,34	kW
Declared power input	D <sub>C</sub>	13,91	7,55	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,12</b>	<b>1,90</b>	

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

Declared cooling capacity	P <sub>D</sub>	48,4	16,46	kW
Declared power input	D <sub>D</sub>	12,43	7,20	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,90</b>	<b>2,29</b>	

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

Declared cooling capacity	P <sub>E</sub>	28,5	8,10	kW
Declared power input	D <sub>E</sub>	16,98	7,96	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,68</b>	<b>1,02</b>	

#### Other items

Capacity control	—		
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	

Additional document: [Declaration of Conformity AC-500](#)

#### 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

\*\* Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.



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

### SEPR Declaration Model: LH135E/4HE-25Y

#### Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	38079		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,43		

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

Rated cooling capacity	P <sub>A</sub>	21,2		kW
Rated power input	D <sub>A</sub>	8,33		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,55</b>		

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

Declared cooling capacity	P <sub>B</sub>	23,2		kW
Declared power input	D <sub>B</sub>	7,85		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,96</b>		

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

Declared cooling capacity	P <sub>C</sub>	26,0		kW
Declared power input	D <sub>C</sub>	7,09		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,66</b>		

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

Declared cooling capacity	P <sub>D</sub>	28,7		kW
Declared power input	D <sub>D</sub>	6,30		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,55</b>		

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

Declared cooling capacity	P <sub>E</sub>	18,06		kW
Declared power input	D <sub>E</sub>	8,96		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,02</b>		

#### Other items

Capacity control		—		
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		

Additional document: [Declaration of Conformity AC-500](#)

#### 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

\*\* Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.



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

### SEPR Declaration Model: LH135E/4HE-25Y

#### Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	45487		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,41		

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

Rated cooling capacity	P <sub>A</sub>	25,3		kW
Rated power input	D <sub>A</sub>	9,94		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,54</b>		

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

Declared cooling capacity	P <sub>B</sub>	27,7		kW
Declared power input	D <sub>B</sub>	9,40		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,95</b>		

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

Declared cooling capacity	P <sub>C</sub>	31,2		kW
Declared power input	D <sub>C</sub>	8,53		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,66</b>		

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

Declared cooling capacity	P <sub>D</sub>	34,5		kW
Declared power input	D <sub>D</sub>	7,59		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,54</b>		

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

Declared cooling capacity	P <sub>E</sub>	21,3		kW
Declared power input	D <sub>E</sub>	10,63		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,01</b>		

#### Other items

Capacity control		—		
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		

Additional document: [Declaration of Conformity AC-500](#)

#### 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

\*\* Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.



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

SEPR Declaration Model: LH135E/4HE-25Y

Refrigerant: R1234yf

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	44145		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,39		

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

Rated cooling capacity	P <sub>A</sub>	24,3		kW
Rated power input	D <sub>A</sub>	9,71		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,50</b>		

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

Declared cooling capacity	P <sub>B</sub>	26,7		kW
Declared power input	D <sub>B</sub>	9,16		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,92</b>		

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

Declared cooling capacity	P <sub>C</sub>	30,1		kW
Declared power input	D <sub>C</sub>	8,31		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,63</b>		

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

Declared cooling capacity	P <sub>D</sub>	33,4		kW
Declared power input	D <sub>D</sub>	7,41		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,52</b>		

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

Declared cooling capacity	P <sub>E</sub>	20,5		kW
Declared power input	D <sub>E</sub>	10,43		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,96</b>		

### Other items

Capacity control		—		
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		

Additional document: [Declaration of Conformity AC-500](#)

### 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

\*\* Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.



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

SEPR Declaration Model: LH135E/4HE-25Y

Refrigerant: R1234ze

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	32791		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,48		

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

Rated cooling capacity	P <sub>A</sub>	18,57		kW
Rated power input	D <sub>A</sub>	7,16		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,59</b>		

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

Declared cooling capacity	P <sub>B</sub>	20,3		kW
Declared power input	D <sub>B</sub>	6,73		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>3,01</b>		

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

Declared cooling capacity	P <sub>C</sub>	22,6		kW
Declared power input	D <sub>C</sub>	6,08		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,73</b>		

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

Declared cooling capacity	P <sub>D</sub>	25,0		kW
Declared power input	D <sub>D</sub>	5,42		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,61</b>		

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

Declared cooling capacity	P <sub>E</sub>	15,90		kW
Declared power input	D <sub>E</sub>	7,73		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,06</b>		

### Other items

Capacity control		—		
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		

Additional document: [Declaration of Conformity AC-500](#)

### 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

\*\* Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.