



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

COP Declaration Model: LH33E/2KES-05Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P <sub>A</sub>	1,18		kW
Rated power input	D <sub>A</sub>	0,62		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>1,89</b>		

### Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P <sub>B</sub>	1,31		kW
Declared power input	D <sub>B</sub>	0,58		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></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>	1,00		kW
Declared power input	D <sub>E</sub>	0,68		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,47</b>		

### Other items

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

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

### Contact details:

BITZER Kühlmaschinenbau GmbH  
Eschenbrunnlestraße 15  
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

### COP Declaration Model: LH33E/2KES-05Y

#### Refrigerant: R404A

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

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

Rated cooling capacity	P <sub>A</sub>	2,00	kW
Rated power input	D <sub>A</sub>	0,98	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,04</b>	

#### Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P <sub>B</sub>	2,28	kW
Declared power input	D <sub>B</sub>	0,93	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,46</b>	

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

Declared cooling capacity	P <sub>E</sub>	1,58	kW
Declared power input	D <sub>E</sub>	1,06	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,49</b>	

#### Other items

Capacity Control	—		
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  
Eschenbrunnlestraße 15  
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

### COP Declaration Model: LH33E/2KES-05Y

#### 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

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

Rated cooling capacity	P <sub>A</sub>	1,94	kW
Rated power input	D <sub>A</sub>	0,93	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,09</b>	

#### Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P <sub>B</sub>	2,16	kW
Declared power input	D <sub>B</sub>	0,88	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,45</b>	

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

Declared cooling capacity	P <sub>E</sub>	1,59	kW
Declared power input	D <sub>E</sub>	0,97	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,64</b>	

#### Other items

Capacity Control	—		
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  
Eschenbrunnlestraße 15  
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

COP Declaration Model: LH33E/2KES-05Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P <sub>A</sub>	1,94		kW
Rated power input	D <sub>A</sub>	0,92		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,11</b>		

### Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P <sub>B</sub>	2,14		kW
Declared power input	D <sub>B</sub>	0,87		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,45</b>		

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

Declared cooling capacity	P <sub>E</sub>	1,62		kW
Declared power input	D <sub>E</sub>	0,97		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	to <sub>h</sub>	20°C	
Power voltage	Net	400V/50Hz	

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### Contact details:

BITZER Kühlmaschinenbau GmbH  
Eschenbrunnlestraße 15  
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

COP Declaration Model: LH33E/2KES-05Y

Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P <sub>A</sub>	2,05	0,48	kW
Rated power input	D <sub>A</sub>	0,98	0,51	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,10</b>	<b>0,96</b>	

### Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P <sub>B</sub>	2,28	0,58	kW
Declared power input	D <sub>B</sub>	0,93	0,52	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,45</b>	<b>1,12</b>	

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

Declared cooling capacity	P <sub>E</sub>	1,69	0,33	kW
Declared power input	D <sub>E</sub>	1,02	0,47	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,65</b>	<b>0,71</b>	

### Other items

Capacity Control	—		
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  
Eschenbrunnlestraße 15  
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

### COP Declaration Model: LH33E/2KES-05Y

#### Refrigerant: R507A

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

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

Rated cooling capacity	P <sub>A</sub>	2,05	kW
Rated power input	D <sub>A</sub>	0,98	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,09</b>	

#### Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P <sub>B</sub>	2,35	kW
Declared power input	D <sub>B</sub>	0,93	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,52</b>	

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

Declared cooling capacity	P <sub>E</sub>	1,62	kW
Declared power input	D <sub>E</sub>	1,06	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,52</b>	

#### Other items

Capacity Control	—		
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  
Eschenbrunnlestraße 15  
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)

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

COP Declaration Model: LH33E/2KES-05Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P <sub>A</sub>	1,84	0,40	kW
Rated power input	D <sub>A</sub>	0,92	0,47	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,00</b>	<b>0,83</b>	

### Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P <sub>B</sub>	2,07	0,48	kW
Declared power input	D <sub>B</sub>	0,89	0,49	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,32</b>	<b>0,97</b>	

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

Declared cooling capacity	P <sub>E</sub>	1,45	0,23	kW
Declared power input	D <sub>E</sub>	0,95	0,42	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,52</b>	<b>0,54</b>	

### Other items

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

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### Contact details:

BITZER Kühlmaschinenbau GmbH  
Eschenbrunnlestraße 15  
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)

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

COP Declaration Model: LH33E/2KES-05Y

Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P <sub>A</sub>	1,83	0,40	kW
Rated power input	D <sub>A</sub>	0,92	0,47	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>1,99</b>	<b>0,84</b>	

### Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P <sub>B</sub>	2,07	0,48	kW
Declared power input	D <sub>B</sub>	0,89	0,49	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,32</b>	<b>0,97</b>	

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

Declared cooling capacity	P <sub>E</sub>	1,44	0,23	kW
Declared power input	D <sub>E</sub>	0,95	0,42	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,52</b>	<b>0,54</b>	

### Other items

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

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### Contact details:

BITZER Kühlmaschinenbau GmbH  
Eschenbrunnlestraße 15  
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

COP Declaration Model: LH33E/2KES-05Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P <sub>A</sub>	1,03		kW
Rated power input	D <sub>A</sub>	0,57		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>1,82</b>		

### Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P <sub>B</sub>	1,15		kW
Declared power input	D <sub>B</sub>	0,53		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,14</b>		

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

Declared cooling capacity	P <sub>E</sub>	0,87		kW
Declared power input	D <sub>E</sub>	0,61		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,42</b>		

### Other items

Capacity Control	—		
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  
Eschenbrunnlestraße 15  
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

COP Declaration Model: LH33E/2KES-05Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P <sub>A</sub>	1,26		kW
Rated power input	D <sub>A</sub>	0,65		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>1,93</b>		

### Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P <sub>B</sub>	1,40		kW
Declared power input	D <sub>B</sub>	0,61		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></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>	1,06		kW
Declared power input	D <sub>E</sub>	0,71		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,49</b>		

### Other items

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

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### Contact details:

BITZER Kühlmaschinenbau GmbH  
Eschenbrunnlestraße 15  
71065 Sindelfingen  
Deutschland  
Tel +49 (0) 70 31 932-0  
Fax +49 (0) 70 31 932-147  
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