



Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH44E/2FES-3Y

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 _A	2,90		kW
Rated power input	D _A	1,41		kW
Rated COP	COP_A	2,06		

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

Declared cooling capacity	P _B	3,21		kW
Declared power input	D _B	1,33		kW
Declared COP	COP_B	2,41		

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

Declared cooling capacity	P _E	2,44		kW
Declared power input	D _E	1,51		kW
Declared COP	COP_E	1,62		

Other items

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

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
Internet: 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: LH44E/2FES-3Y

Refrigerant: R404A

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 _A	4,29	1,46	kW
Rated power input	D _A	2,43	1,33	kW
Rated COP	COP_A	1,76	1,10	

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

Declared cooling capacity	P _B	4,87	1,72	kW
Declared power input	D _B	2,30	1,33	kW
Declared COP	COP_B	2,11	1,29	

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

Declared cooling capacity	P _E	3,41	1,09	kW
Declared power input	D _E	2,64	1,31	kW
Declared COP	COP_E	1,29	0,83	

Other items

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

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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH44E/2FES-3Y

Refrigerant: R407A

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 _A	4,39	1,30	kW
Rated power input	D _A	2,28	1,12	kW
Rated COP	COP_A	1,92	1,16	

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

Declared cooling capacity	P _B	4,85	1,49	kW
Declared power input	D _B	2,17	1,11	kW
Declared COP	COP_B	2,24	1,34	

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

Declared cooling capacity	P _E	3,66	1,02	kW
Declared power input	D _E	2,43	1,11	kW
Declared COP	COP_E	1,51	0,92	

Other items

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

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COP Declaration Model: LH44E/2FES-3Y

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 _A	4,37		kW
Rated power input	D _A	2,23		kW
Rated COP	COP_A	1,97		

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

Declared cooling capacity	P _B	4,79		kW
Declared power input	D _B	2,10		kW
Declared COP	COP_B	2,28		

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

Declared cooling capacity	P _E	3,69		kW
Declared power input	D _E	2,38		kW
Declared COP	COP_E	1,55		

Other items

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

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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH44E/2FES-3Y

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 _A	4,63	1,38	kW
Rated power input	D _A	2,44	1,18	kW
Rated COP	COP_A	1,90	1,18	

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

Declared cooling capacity	P _B	5,10	1,58	kW
Declared power input	D _B	2,31	1,17	kW
Declared COP	COP_B	2,21	1,35	

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

Declared cooling capacity	P _E	--	1,09	kW
Declared power input	D _E	--	1,17	kW
Declared COP	COP_E	--	0,93	

Other items

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

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71065 Sindelfingen
Deutschland
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COP Declaration Model: LH44E/2FES-3Y

Refrigerant: R454C

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 _A	3,67	1,01	kW
Rated power input	D _A	2,00	0,99	kW
Rated COP	COP_A	1,84	1,02	

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

Declared cooling capacity	P _B	4,13	1,17	kW
Declared power input	D _B	1,92	0,99	kW
Declared COP	COP_B	2,15	1,18	

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

Declared cooling capacity	P _E	2,93	0,67	kW
Declared power input	D _E	2,14	1,02	kW
Declared COP	COP_E	1,37	0,66	

Other items

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

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BITZER Kühlmaschinenbau GmbH
Peter-Schaufler-Platz 1
71065 Sindelfingen
Deutschland
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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH44E/2FES-3Y

Refrigerant: R455A

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 _A	3,47	kW
Rated power input	D _A	2,22	kW
Rated COP	COP_A	1,56	

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

Declared cooling capacity	P _B	3,97	kW
Declared power input	D _B	2,11	kW
Declared COP	COP_B	1,88	

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

Declared cooling capacity	P _E	--	kW
Declared power input	D _E	--	kW
Declared COP	COP_E	--	

Other items

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

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71065 Sindelfingen
Deutschland
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COP Declaration Model: LH44E/2FES-3Y

Refrigerant: R507A

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 _A	4,39	1,54	kW
Rated power input	D _A	2,44	1,33	kW
Rated COP	COP_A	1,80	1,16	

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

Declared cooling capacity	P _B	4,98	1,80	kW
Declared power input	D _B	2,31	1,33	kW
Declared COP	COP_B	2,16	1,35	

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

Declared cooling capacity	P _E	3,46	1,15	kW
Declared power input	D _E	2,64	1,31	kW
Declared COP	COP_E	1,31	0,88	

Other items

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

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71065 Sindelfingen
Deutschland
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COP Declaration Model: LH44E/2FES-3Y

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 _A	4,09	1,15	kW
Rated power input	D _A	2,24	1,09	kW
Rated COP	COP_A	1,82	1,05	

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

Declared cooling capacity	P _B	4,61	1,33	kW
Declared power input	D _B	2,15	1,09	kW
Declared COP	COP_B	2,15	1,22	

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

Declared cooling capacity	P _E	3,31	0,76	kW
Declared power input	D _E	2,44	1,12	kW
Declared COP	COP_E	1,35	0,68	

Other items

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

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BITZER Kühlmaschinenbau GmbH
Peter-Schaufler-Platz 1
71065 Sindelfingen
Deutschland
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COP Declaration Model: LH44E/2FES-3Y

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 _A	4,07	1,15	kW
Rated power input	D _A	2,24	1,09	kW
Rated COP	COP_A	1,82	1,05	

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

Declared cooling capacity	P _B	4,59	1,33	kW
Declared power input	D _B	2,15	1,09	kW
Declared COP	COP_B	2,14	1,22	

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

Declared cooling capacity	P _E	3,29	0,77	kW
Declared power input	D _E	2,44	1,12	kW
Declared COP	COP_E	1,35	0,68	

Other items

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

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BITZER Kühlmaschinenbau GmbH
Peter-Schaufler-Platz 1
71065 Sindelfingen
Deutschland
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COP Declaration Model: LH44E/2FES-3Y

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 _A	2,56		kW
Rated power input	D _A	1,28		kW
Rated COP	COP_A	2,00		

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

Declared cooling capacity	P _B	2,83		kW
Declared power input	D _B	1,20		kW
Declared COP	COP_B	2,35		

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

Declared cooling capacity	P _E	2,14		kW
Declared power input	D _E	1,37		kW
Declared COP	COP_E	1,57		

Other items

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

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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

COP Declaration Model: LH44E/2FES-3Y

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 _A	3,04		kW
Rated power input	D _A	1,49		kW
Rated COP	COP_A	2,04		

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

Declared cooling capacity	P _B	3,38		kW
Declared power input	D _B	1,41		kW
Declared COP	COP_B	2,40		

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

Declared cooling capacity	P _E	2,54		kW
Declared power input	D _E	1,59		kW
Declared COP	COP_E	1,60		

Other items

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

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71065 Sindelfingen
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COP Declaration Model: LH44E/2FES-3Y

Refrigerant: R1234yf

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 _A	2,94		kW
Rated power input	D _A	1,44		kW
Rated COP	COP_A	2,03		

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

Declared cooling capacity	P _B	3,27		kW
Declared power input	D _B	1,36		kW
Declared COP	COP_B	2,40		

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

Declared cooling capacity	P _E	2,44		kW
Declared power input	D _E	1,55		kW
Declared COP	COP_E	1,57		

Other items

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

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Peter-Schaufler-Platz 1
71065 Sindelfingen
Deutschland
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COP Declaration Model: LH44E/2FES-3Y

Refrigerant: R1234ze

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 _A	2,29		kW
Rated power input	D _A	1,12		kW
Rated COP	COP_A	2,04		

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

Declared cooling capacity	P _B	2,55		kW
Declared power input	D _B	1,06		kW
Declared COP	COP_B	2,41		

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

Declared cooling capacity	P _E	1,91		kW
Declared power input	D _E	1,20		kW
Declared COP	COP_E	1,58		

Other items

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

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