



Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH33E/2HES-2Y

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	2,01		kW
Rated power input	D _A	0,98		kW
Rated COP	COP_A	2,05		

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

Declared cooling capacity	P _B	2,20		kW
Declared power input	D _B	0,92		kW
Declared COP	COP_B	2,38		

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

Declared cooling capacity	P _E	1,71		kW
Declared power input	D _E	1,05		kW
Declared COP	COP_E	1,63		

Other items

Capacity Control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	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
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: LH33E/2HES-2Y

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	3,17	1,02	kW
Rated power input	D _A	1,67	0,95	kW
Rated COP	COP_A	1,89	1,08	

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

Declared cooling capacity	P _B	3,57	1,21	kW
Declared power input	D _B	1,60	0,96	kW
Declared COP	COP_B	2,24	1,26	

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

Declared cooling capacity	P _E	2,54	0,73	kW
Declared power input	D _E	1,77	0,90	kW
Declared COP	COP_E	1,43	0,81	

Other items

Capacity Control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	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
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: LH33E/2HES-2Y

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	3,07	0,86	kW
Rated power input	D _A	1,52	0,79	kW
Rated COP	COP_A	2,02	1,09	

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

Declared cooling capacity	P _B	3,40	0,99	kW
Declared power input	D _B	1,45	0,79	kW
Declared COP	COP_B	2,35	1,26	

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

Declared cooling capacity	P _E	2,56	0,65	kW
Declared power input	D _E	1,61	0,77	kW
Declared COP	COP_E	1,59	0,85	

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
Eschenbrunnlestraße 15
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: LH33E/2HES-2Y

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	3,07		kW
Rated power input	D _A	1,50		kW
Rated COP	COP_A	2,05		

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

Declared cooling capacity	P _B	3,36		kW
Declared power input	D _B	1,42		kW
Declared COP	COP_B	2,37		

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

Declared cooling capacity	P _E	2,61		kW
Declared power input	D _E	1,60		kW
Declared COP	COP_E	1,62		

Other items

Capacity Control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	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
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: LH33E/2HES-2Y

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	3,24	0,92	kW
Rated power input	D _A	1,61	0,83	kW
Rated COP	COP_A	2,01	1,11	

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

Declared cooling capacity	P _B	3,58	1,06	kW
Declared power input	D _B	1,53	0,82	kW
Declared COP	COP_B	2,33	1,28	

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

Declared cooling capacity	P _E	2,73	0,70	kW
Declared power input	D _E	1,72	0,81	kW
Declared COP	COP_E	1,59	0,87	

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
Eschenbrunnlestraße 15
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: LH33E/2HES-2Y

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	3,24	1,08	kW
Rated power input	D _A	1,68	0,95	kW
Rated COP	COP_A	1,93	1,13	

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

Declared cooling capacity	P _B	3,66	1,27	kW
Declared power input	D _B	1,60	0,96	kW
Declared COP	COP_B	2,28	1,32	

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

Declared cooling capacity	P _E	2,59	0,77	kW
Declared power input	D _E	1,78	0,90	kW
Declared COP	COP_E	1,46	0,86	

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
Eschenbrunnlestraße 15
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: LH33E/2HES-2Y

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	2,88	0,76	kW
Rated power input	D _A	1,50	0,77	kW
Rated COP	COP_A	1,92	0,99	

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

Declared cooling capacity	P _B	3,24	0,89	kW
Declared power input	D _B	1,44	0,78	kW
Declared COP	COP_B	2,25	1,14	

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

Declared cooling capacity	P _E	2,32	0,50	kW
Declared power input	D _E	1,60	0,77	kW
Declared COP	COP_E	1,45	0,66	

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
Eschenbrunnlestraße 15
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: LH33E/2HES-2Y

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	2,87	0,76	kW
Rated power input	D _A	1,50	0,77	kW
Rated COP	COP_A	1,91	0,99	

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

Declared cooling capacity	P _B	3,23	0,89	kW
Declared power input	D _B	1,44	0,78	kW
Declared COP	COP_B	2,24	1,14	

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

Declared cooling capacity	P _E	2,31	0,51	kW
Declared power input	D _E	1,60	0,77	kW
Declared COP	COP_E	1,44	0,66	

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
Eschenbrunnlestraße 15
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: LH33E/2HES-2Y

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	1,76		kW
Rated power input	D _A	0,89		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	1,93		kW
Declared power input	D _B	0,85		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	1,50		kW
Declared power input	D _E	0,96		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	

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
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: LH33E/2HES-2Y

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	2,11		kW
Rated power input	D _A	1,03		kW
Rated COP	COP_A	2,05		

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

Declared cooling capacity	P _B	2,32		kW
Declared power input	D _B	0,97		kW
Declared COP	COP_B	2,38		

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

Declared cooling capacity	P _E	1,79		kW
Declared power input	D _E	1,11		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
Eschenbrunnlestraße 15
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