



BITZER Kühlmaschinenbau GmbH
Peter-Schaufler-Platz 1
71065 Sindelfingen

BITZER Software v6.18.0 rev2809

21.10.2025 / All data subject to change.

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH64E/2CES-3Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	10822		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,08		

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

Rated cooling capacity	P _A	5,42		kW
Rated power input	D _A	2,36		kW
Rated COP	COP _A	2,29		

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

Declared cooling capacity	P _B	5,91		kW
Declared power input	D _B	2,23		kW
Declared COP	COP _B	2,65		

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

Declared cooling capacity	P _C	6,63		kW
Declared power input	D _C	2,02		kW
Declared COP	COP _C	3,28		

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

Declared cooling capacity	P _D	7,38		kW
Declared power input	D _D	1,79		kW
Declared COP	COP _D	4,11		

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

Declared cooling capacity	P _E	4,66		kW
Declared power input	D _E	2,53		kW
Declared COP	COP _E	1,84		

Other items

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

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

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

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH64E/2CES-3Y

Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	18717	12953	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,80	1,74	

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

Rated cooling capacity	P _A	8,53	3,03	kW
Rated power input	D _A	4,25	2,36	kW
Rated COP	COP _A	2,01	1,28	

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

Declared cooling capacity	P _B	9,56	3,44	kW
Declared power input	D _B	4,03	2,31	kW
Declared COP	COP _B	2,37	1,49	

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

Declared cooling capacity	P _C	10,96	3,99	kW
Declared power input	D _C	3,65	2,19	kW
Declared COP	COP _C	3,00	1,82	

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

Declared cooling capacity	P _D	12,27	4,52	kW
Declared power input	D _D	3,21	2,02	kW
Declared COP	COP _D	3,83	2,23	

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

Declared cooling capacity	P _E	6,85	2,33	kW
Declared power input	D _E	4,52	2,38	kW
Declared COP	COP _E	1,52	0,98	

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	

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH64E/2CES-3

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 _A	Error: -4	Error: -4	kW
Rated power input	D _A			kW
Rated COP	COP _A			

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

Declared cooling capacity	P _B			kW
Declared power input	D _B			kW
Declared COP	COP _B			

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

Declared cooling capacity	P _C			kW
Declared power input	D _C			kW
Declared COP	COP _C			

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

Declared cooling capacity	P _D			kW
Declared power input	D _D			kW
Declared COP	COP _D			

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	to _h	20°C	
Power voltage	Net	400V/50Hz	
Coefficient of degradation for units w/o capacity control**	C _{dc}	0,25	

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH64E/2CES-3Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	16405		kWh/a
Seasonal Energy Performance Ratio	SEPR	2,81		

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

Rated cooling capacity	P _A	7,51		kW
Rated power input	D _A	3,62		kW
Rated COP	COP _A	2,07		

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

Declared cooling capacity	P _B	8,25		kW
Declared power input	D _B	3,42		kW
Declared COP	COP _B	2,41		

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

Declared cooling capacity	P _C	9,29		kW
Declared power input	D _C	3,10		kW
Declared COP	COP _C	3,00		

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

Declared cooling capacity	P _D	10,32		kW
Declared power input	D _D	2,73		kW
Declared COP	COP _D	3,78		

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	to _h	20°C	
Power voltage	Net	400V/50Hz	
Coefficient of degradation for units w/o capacity control**	C _{dc}	0,25	

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH64E/2CES-3

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 _A	Error: -4	Error: -4	kW
Rated power input	D _A			kW
Rated COP	COP _A			

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

Declared cooling capacity	P _B			kW
Declared power input	D _B			kW
Declared COP	COP _B			

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

Declared cooling capacity	P _C			kW
Declared power input	D _C			kW
Declared COP	COP _C			

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

Declared cooling capacity	P _D			kW
Declared power input	D _D			kW
Declared COP	COP _D			

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	
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: LH64E/2CES-3Y

Refrigerant: R454C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	15850	10497	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,74	1,50	

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

Rated cooling capacity	P _A	7,06	2,11	kW
Rated power input	D _A	3,53	1,84	kW
Rated COP	COP _A	2,00	1,15	

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

Declared cooling capacity	P _B	7,81	2,42	kW
Declared power input	D _B	3,34	1,83	kW
Declared COP	COP _B	2,34	1,32	

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

Declared cooling capacity	P _C	8,89	2,84	kW
Declared power input	D _C	3,04	1,79	kW
Declared COP	COP _C	2,93	1,59	

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

Declared cooling capacity	P _D	9,95	3,24	kW
Declared power input	D _D	2,69	1,72	kW
Declared COP	COP _D	3,70	1,88	

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

Declared cooling capacity	P _E	5,87	1,65	kW
Declared power input	D _E	3,76	1,81	kW
Declared COP	COP _E	1,56	0,91	

Other items

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

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH64E/2CES-3Y

Refrigerant: R455A

Condensing unit with the selected refrigerant is only intended for evaporating temperatures above -30°C within the EU due to the legal requirements from the regulation (EU) 2015/1095. Permissible condensing unit-refrigerant combinations see Declaration of Conformity AC-500

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10		°C
Annual electricity consumption	Q	17523		kWh/a
Seasonal Energy Performance Ratio	SEPR	2,42		

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

Rated cooling capacity	P _A	6,89		kW
Rated power input	D _A	3,88		kW
Rated COP	COP _A	1,78		

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

Declared cooling capacity	P _B	7,69		kW
Declared power input	D _B	3,70		kW
Declared COP	COP _B	2,08		

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

Declared cooling capacity	P _C	8,84		kW
Declared power input	D _C	3,40		kW
Declared COP	COP _C	2,60		

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

Declared cooling capacity	P _D	9,98		kW
Declared power input	D _D	3,05		kW
Declared COP	COP _D	3,27		

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		
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: LH64E/2CES-3Y

Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	18760	12970	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,86	1,82	

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

Rated cooling capacity	P _A	8,71	3,17	kW
Rated power input	D _A	4,26	2,36	kW
Rated COP	COP _A	2,05	1,34	

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

Declared cooling capacity	P _B	9,78	3,60	kW
Declared power input	D _B	4,04	2,32	kW
Declared COP	COP _B	2,42	1,56	

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

Declared cooling capacity	P _C	11,24	4,18	kW
Declared power input	D _C	3,67	2,20	kW
Declared COP	COP _C	3,06	1,90	

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

Declared cooling capacity	P _D	12,61	4,73	kW
Declared power input	D _D	3,23	2,03	kW
Declared COP	COP _D	3,90	2,33	

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

Declared cooling capacity	P _E	6,97	2,44	kW
Declared power input	D _E	4,52	2,38	kW
Declared COP	COP _E	1,54	1,03	

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	

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH64E/2CES-3

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 _A	Error: -4	Error: -4	kW
Rated power input	D _A			kW
Rated COP	COP _A			

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

Declared cooling capacity	P _B			kW
Declared power input	D _B			kW
Declared COP	COP _B			

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

Declared cooling capacity	P _C			kW
Declared power input	D _C			kW
Declared COP	COP _C			

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

Declared cooling capacity	P _D			kW
Declared power input	D _D			kW
Declared COP	COP _D			

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	
Coefficient of degradation for units w/o capacity control**	Cdc	0,25	

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

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH64E/2CES-3Y

Refrigerant: R449A

Condensing unit with the selected refrigerant is only intended for evaporating temperatures above -30°C within the EU due to the legal requirements from the regulation (EU) 2015/1095. Permissible condensing unit-refrigerant combinations see Declaration of Conformity AC-500

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10		°C
Annual electricity consumption	Q	17642		kWh/a
Seasonal Energy Performance Ratio	SEPR	2,77		

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

Rated cooling capacity	P _A	7,96		kW
Rated power input	D _A	3,94		kW
Rated COP	COP _A	2,02		

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

Declared cooling capacity	P _B	8,79		kW
Declared power input	D _B	3,72		kW
Declared COP	COP _B	2,36		

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

Declared cooling capacity	P _C	9,97		kW
Declared power input	D _C	3,37		kW
Declared COP	COP _C	2,96		

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

Declared cooling capacity	P _D	11,14		kW
Declared power input	D _D	2,96		kW
Declared COP	COP _D	3,76		

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

Declared cooling capacity	P _E	6,66		kW
Declared power input	D _E	4,22		kW
Declared COP	COP _E	1,58		

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		

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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH64E/2CES-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	4,76		kW
Rated power input	D _A	2,12		kW
Rated COP	COP _A	2,24		

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

Declared cooling capacity	P _B	5,20		kW
Declared power input	D _B	2,01		kW
Declared COP	COP _B	2,59		

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

Declared cooling capacity	P _E	4,09		kW
Declared power input	D _E	2,28		kW
Declared COP	COP _E	1,80		

Other items

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

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH64E/2CES-3Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	11390		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,09		

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

Rated cooling capacity	P _A	5,73		kW
Rated power input	D _A	2,49		kW
Rated COP	COP _A	2,30		

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

Declared cooling capacity	P _B	6,27		kW
Declared power input	D _B	2,36		kW
Declared COP	COP _B	2,66		

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

Declared cooling capacity	P _C	7,07		kW
Declared power input	D _C	2,14		kW
Declared COP	COP _C	3,30		

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

Declared cooling capacity	P _D	7,89		kW
Declared power input	D _D	1,91		kW
Declared COP	COP _D	4,14		

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

Declared cooling capacity	P _E	4,89		kW
Declared power input	D _E	2,67		kW
Declared COP	COP _E	1,83		

Other items

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

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

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

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



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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH64E/2CES-3Y

Refrigerant: R1234yf

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	11043		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,06		

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

Rated cooling capacity	P _A	5,49		kW
Rated power input	D _A	2,44		kW
Rated COP	COP _A	2,25		

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

Declared cooling capacity	P _B	6,03		kW
Declared power input	D _B	2,30		kW
Declared COP	COP _B	2,62		

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

Declared cooling capacity	P _C	6,81		kW
Declared power input	D _C	2,09		kW
Declared COP	COP _C	3,27		

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

Declared cooling capacity	P _D	7,61		kW
Declared power input	D _D	1,85		kW
Declared COP	COP _D	4,11		

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

Declared cooling capacity	P _E	4,65		kW
Declared power input	D _E	2,63		kW
Declared COP	COP _E	1,77		

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](#)

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** 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.



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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH64E/2CES-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	4,12		kW
Rated power input	D _A	1,86		kW
Rated COP	COP _A	2,21		

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

Declared cooling capacity	P _B	4,52		kW
Declared power input	D _B	1,77		kW
Declared COP	COP _B	2,56		

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

Declared cooling capacity	P _E	3,52		kW
Declared power input	D _E	1,99		kW
Declared COP	COP _E	1,77		

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](#)

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