



Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH44E/2GES-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	2,39		kW
Rated power input	D _A	1,14		kW
Rated COP	COP_A	2,10		

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

Declared cooling capacity	P _B	2,60		kW
Declared power input	D _B	1,07		kW
Declared COP	COP_B	2,43		

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

Declared cooling capacity	P _E	2,06		kW
Declared power input	D _E	1,22		kW
Declared COP	COP_E	1,69		

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](#)

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



Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH44E/2GES-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	3,69	1,23	kW
Rated power input	D _A	1,97	1,12	kW
Rated COP	COP_A	1,88	1,10	

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

Declared cooling capacity	P _B	4,16	1,44	kW
Declared power input	D _B	1,86	1,12	kW
Declared COP	COP_B	2,24	1,29	

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

Declared cooling capacity	P _E	2,98	0,93	kW
Declared power input	D _E	2,14	1,12	kW
Declared COP	COP_E	1,39	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/2GES-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	3,64	1,04	kW
Rated power input	D _A	1,79	0,92	kW
Rated COP	COP_A	2,03	1,13	

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

Declared cooling capacity	P _B	4,03	1,19	kW
Declared power input	D _B	1,69	0,92	kW
Declared COP	COP_B	2,38	1,30	

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

Declared cooling capacity	P _E	3,05	0,80	kW
Declared power input	D _E	1,92	0,91	kW
Declared COP	COP_E	1,59	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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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH44E/2GES-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	3,63		kW
Rated power input	D _A	1,76		kW
Rated COP	COP_A	2,07		

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	1,65		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	3,09		kW
Declared power input	D _E	1,89		kW
Declared COP	COP_E	1,63		

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/2GES-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	3,84	1,11	kW
Rated power input	D _A	1,91	0,97	kW
Rated COP	COP_A	2,02	1,14	

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

Declared cooling capacity	P _B	4,23	1,27	kW
Declared power input	D _B	1,80	0,96	kW
Declared COP	COP_B	2,35	1,32	

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

Declared cooling capacity	P _E	3,24	0,86	kW
Declared power input	D _E	2,05	0,96	kW
Declared COP	COP_E	1,58	0,90	

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/2GES-2Y

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	3,05	0,81	kW
Rated power input	D _A	1,58	0,83	kW
Rated COP	COP_A	1,92	0,98	

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

Declared cooling capacity	P _B	3,43	0,93	kW
Declared power input	D _B	1,52	0,83	kW
Declared COP	COP_B	2,25	1,12	

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

Declared cooling capacity	P _E	2,44	0,54	kW
Declared power input	D _E	1,69	0,84	kW
Declared COP	COP_E	1,44	0,65	

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/2GES-2Y

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	2,90	kW
Rated power input	D _A	1,75	kW
Rated COP	COP_A	1,66	

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

Declared cooling capacity	P _B	3,32	kW
Declared power input	D _B	1,67	kW
Declared COP	COP_B	1,99	

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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COP Declaration Model: LH44E/2GES-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	3,78	1,29	kW
Rated power input	D _A	1,97	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	4,26	1,51	kW
Declared power input	D _B	1,86	1,12	kW
Declared COP	COP_B	2,29	1,35	

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

Declared cooling capacity	P _E	3,04	0,97	kW
Declared power input	D _E	2,14	1,12	kW
Declared COP	COP_E	1,42	0,87	

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/2GES-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	3,42	0,92	kW
Rated power input	D _A	1,77	0,90	kW
Rated COP	COP_A	1,93	1,02	

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

Declared cooling capacity	P _B	3,84	1,07	kW
Declared power input	D _B	1,69	0,91	kW
Declared COP	COP_B	2,27	1,18	

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

Declared cooling capacity	P _E	2,76	0,62	kW
Declared power input	D _E	1,91	0,92	kW
Declared COP	COP_E	1,44	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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COP Declaration Model: LH44E/2GES-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	3,41	0,92	kW
Rated power input	D _A	1,77	0,90	kW
Rated COP	COP_A	1,93	1,02	

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

Declared cooling capacity	P _B	3,83	1,07	kW
Declared power input	D _B	1,69	0,91	kW
Declared COP	COP_B	2,26	1,18	

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

Declared cooling capacity	P _E	2,74	0,62	kW
Declared power input	D _E	1,91	0,92	kW
Declared COP	COP_E	1,44	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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COP Declaration Model: LH44E/2GES-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	2,10		kW
Rated power input	D _A	1,04		kW
Rated COP	COP_A	2,02		

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

Declared cooling capacity	P _B	2,29		kW
Declared power input	D _B	0,98		kW
Declared COP	COP_B	2,33		

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

Declared cooling capacity	P _E	1,80		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	toh	20°C	
Power voltage	Net	400V/50Hz	

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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH44E/2GES-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	2,52		kW
Rated power input	D _A	1,20		kW
Rated COP	COP_A	2,10		

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

Declared cooling capacity	P _B	2,76		kW
Declared power input	D _B	1,13		kW
Declared COP	COP_B	2,43		

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

Declared cooling capacity	P _E	2,15		kW
Declared power input	D _E	1,28		kW
Declared COP	COP_E	1,68		

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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COP Declaration Model: LH44E/2GES-2Y

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	2,43		kW
Rated power input	D _A	1,16		kW
Rated COP	COP_A	2,09		

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

Declared cooling capacity	P _B	2,66		kW
Declared power input	D _B	1,09		kW
Declared COP	COP_B	2,43		

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

Declared cooling capacity	P _E	2,06		kW
Declared power input	D _E	1,25		kW
Declared COP	COP_E	1,65		

Other items

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

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COP Declaration Model: LH44E/2GES-2Y

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	1,83		kW
Rated power input	D _A	0,92		kW
Rated COP	COP_A	1,98		

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

Declared cooling capacity	P _B	2,00		kW
Declared power input	D _B	0,87		kW
Declared COP	COP_B	2,30		

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

Declared cooling capacity	P _E	1,56		kW
Declared power input	D _E	0,99		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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