



Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH44E/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	2,05		kW
Rated power input	D _A	0,98		kW
Rated COP	COP_A	2,08		

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

Declared cooling capacity	P _B	2,24		kW
Declared power input	D _B	0,93		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	1,75		kW
Declared power input	D _E	1,06		kW
Declared COP	COP_E	1,64		

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



Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH44E/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	3,31	1,05	kW
Rated power input	D _A	1,67	0,97	kW
Rated COP	COP_A	1,99	1,08	

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

Declared cooling capacity	P _B	3,73	1,24	kW
Declared power input	D _B	1,59	0,99	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	2,66	0,75	kW
Declared power input	D _E	1,78	0,93	kW
Declared COP	COP_E	1,50	0,81	

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/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	3,18	0,87	kW
Rated power input	D _A	1,52	0,81	kW
Rated COP	COP_A	2,09	1,08	

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

Declared cooling capacity	P _B	3,51	1,01	kW
Declared power input	D _B	1,44	0,81	kW
Declared COP	COP_B	2,44	1,25	

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

Declared cooling capacity	P _E	2,65	0,66	kW
Declared power input	D _E	1,62	0,79	kW
Declared COP	COP_E	1,64	0,84	

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/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	3,17		kW
Rated power input	D _A	1,50		kW
Rated COP	COP_A	2,12		

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

Declared cooling capacity	P _B	3,46		kW
Declared power input	D _B	1,41		kW
Declared COP	COP_B	2,46		

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

Declared cooling capacity	P _E	2,69		kW
Declared power input	D _E	1,61		kW
Declared COP	COP_E	1,67		

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/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	3,36	0,93	kW
Rated power input	D _A	1,61	0,85	kW
Rated COP	COP_A	2,09	1,10	

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

Declared cooling capacity	P _B	3,70	1,07	kW
Declared power input	D _B	1,52	0,84	kW
Declared COP	COP_B	2,43	1,27	

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

Declared cooling capacity	P _E	2,82	0,71	kW
Declared power input	D _E	1,72	0,83	kW
Declared COP	COP_E	1,64	0,86	

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/2HES-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	2,66	0,68	kW
Rated power input	D _A	1,35	0,73	kW
Rated COP	COP_A	1,96	0,93	

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

Declared cooling capacity	P _B	2,99	0,79	kW
Declared power input	D _B	1,31	0,74	kW
Declared COP	COP_B	2,28	1,07	

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

Declared cooling capacity	P _E	2,12	0,45	kW
Declared power input	D _E	1,43	0,72	kW
Declared COP	COP_E	1,48	0,63	

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/2HES-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	2,53	kW
Rated power input	D _A	1,48	kW
Rated COP	COP_A	1,72	

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

Declared cooling capacity	P _B	2,90	kW
Declared power input	D _B	1,42	kW
Declared COP	COP_B	2,04	

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/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	3,39	1,10	kW
Rated power input	D _A	1,67	0,97	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	3,83	1,30	kW
Declared power input	D _B	1,59	0,99	kW
Declared COP	COP_B	2,41	1,32	

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

Declared cooling capacity	P _E	2,72	0,79	kW
Declared power input	D _E	1,78	0,92	kW
Declared COP	COP_E	1,53	0,85	

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/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	2,99	0,77	kW
Rated power input	D _A	1,50	0,79	kW
Rated COP	COP_A	1,99	0,98	

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

Declared cooling capacity	P _B	3,36	0,90	kW
Declared power input	D _B	1,44	0,80	kW
Declared COP	COP_B	2,33	1,12	

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

Declared cooling capacity	P _E	2,41	0,52	kW
Declared power input	D _E	1,60	0,79	kW
Declared COP	COP_E	1,50	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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COP Declaration Model: LH44E/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	2,98	0,77	kW
Rated power input	D _A	1,50	0,79	kW
Rated COP	COP_A	1,99	0,98	

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

Declared cooling capacity	P _B	3,35	0,90	kW
Declared power input	D _B	1,44	0,80	kW
Declared COP	COP_B	2,32	1,12	

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

Declared cooling capacity	P _E	2,40	0,52	kW
Declared power input	D _E	1,60	0,79	kW
Declared COP	COP_E	1,49	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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COP Declaration Model: LH44E/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	1,79		kW
Rated power input	D _A	0,90		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	1,97		kW
Declared power input	D _B	0,85		kW
Declared COP	COP_B	2,31		

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

Declared cooling capacity	P _E	1,52		kW
Declared power input	D _E	0,97		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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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH44E/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	2,17		kW
Rated power input	D _A	1,04		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	2,38		kW
Declared power input	D _B	0,98		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	1,83		kW
Declared power input	D _E	1,12		kW
Declared COP	COP_E	1,64		

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/2HES-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	2,09		kW
Rated power input	D _A	1,00		kW
Rated COP	COP_A	2,08		

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

Declared cooling capacity	P _B	2,30		kW
Declared power input	D _B	0,95		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	1,76		kW
Declared power input	D _E	1,09		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	

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COP Declaration Model: LH44E/2HES-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	1,57		kW
Rated power input	D _A	0,81		kW
Rated COP	COP_A	1,95		

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

Declared cooling capacity	P _B	1,73		kW
Declared power input	D _B	0,76		kW
Declared COP	COP_B	2,27		

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

Declared cooling capacity	P _E	1,33		kW
Declared power input	D _E	0,86		kW
Declared COP	COP_E	1,53		

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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