



Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LHL3E/2DES-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	4,32		kW
Rated power input	D _A	1,70		kW
Rated COP	COP_A	2,53		

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

Declared cooling capacity	P _B	4,76		kW
Declared power input	D _B	1,60		kW
Declared COP	COP_B	2,97		

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

Declared cooling capacity	P _E	3,65		kW
Declared power input	D _E	1,82		kW
Declared COP	COP_E	2,00		

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-503](#)

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



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHL3E/2DES-2Y

Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	12951	8623	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,20	1,92	

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

Rated cooling capacity	P _A	6,74	2,22	kW
Rated power input	D _A	3,08	1,60	kW
Rated COP	COP_A	2,19	1,39	

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

Declared cooling capacity	P _B	7,61	2,56	kW
Declared power input	D _B	2,90	1,58	kW
Declared COP	COP_B	2,62	1,62	

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

Declared cooling capacity	P _C	8,80	3,03	kW
Declared power input	D _C	2,59	1,51	kW
Declared COP	COP_C	3,40	2,00	

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

Declared cooling capacity	P _D	9,96	3,48	kW
Declared power input	D _D	2,20	1,39	kW
Declared COP	COP_D	4,53	2,51	

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

Declared cooling capacity	P _E	5,35	1,57	kW
Declared power input	D _E	3,28	1,56	kW
Declared COP	COP_E	1,63	1,00	

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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SEPR Declaration Model: LHL3E/2DES-2Y

Refrigerant: R407A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	11773	6716	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,14	1,65	

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

Rated cooling capacity	P _A	6,01	1,49	kW
Rated power input	D _A	2,73	1,22	kW
Rated COP	COP_A	2,20	1,22	

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

Declared cooling capacity	P _B	6,70	1,75	kW
Declared power input	D _B	2,58	1,24	kW
Declared COP	COP_B	2,60	1,41	

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

Declared cooling capacity	P _C	7,71	2,13	kW
Declared power input	D _C	2,31	1,23	kW
Declared COP	COP_C	3,33	1,73	

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

Declared cooling capacity	P _D	8,71	2,62	kW
Declared power input	D _D	1,99	1,19	kW
Declared COP	COP_D	4,38	2,20	

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

Declared cooling capacity	P _E	4,69	1,10	kW
Declared power input	D _E	2,90	1,16	kW
Declared COP	COP_E	1,61	0,95	

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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SEPR Declaration Model: LHL3E/2DES-2Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	11421		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,17		

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

Rated cooling capacity	P _A	5,89		kW
Rated power input	D _A	2,62		kW
Rated COP	COP_A	2,25		

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

Declared cooling capacity	P _B	6,52		kW
Declared power input	D _B	2,47		kW
Declared COP	COP_B	2,64		

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

Declared cooling capacity	P _C	7,42		kW
Declared power input	D _C	2,21		kW
Declared COP	COP_C	3,36		

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

Declared cooling capacity	P _D	8,32		kW
Declared power input	D _D	1,89		kW
Declared COP	COP_D	4,40		

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

Declared cooling capacity	P _E	4,90		kW
Declared power input	D _E	2,80		kW
Declared COP	COP_E	1,75		

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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SEPR Declaration Model: LHL3E/2DES-2Y

Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	12646	7112	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,09	1,67	

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

Rated cooling capacity	P _A	6,36	1,60	kW
Rated power input	D _A	2,92	1,30	kW
Rated COP	COP_A	2,18	1,23	

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

Declared cooling capacity	P _B	7,06	1,87	kW
Declared power input	D _B	2,75	1,31	kW
Declared COP	COP_B	2,56	1,43	

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

Declared cooling capacity	P _C	8,06	2,26	kW
Declared power input	D _C	2,46	1,30	kW
Declared COP	COP_C	3,28	1,74	

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

Declared cooling capacity	P _D	9,08	2,77	kW
Declared power input	D _D	2,11	1,25	kW
Declared COP	COP_D	4,30	2,23	

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

Declared cooling capacity	P _E	5,00	1,18	kW
Declared power input	D _E	3,11	1,23	kW
Declared COP	COP_E	1,61	0,96	

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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SEPR Declaration Model: LHL3E/2DES-2Y

Refrigerant: R454C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	10763	6466	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,23	1,67	

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

Rated cooling capacity	P _A	5,65	1,45	kW
Rated power input	D _A	2,50	1,18	kW
Rated COP	COP_A	2,25	1,22	

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

Declared cooling capacity	P _B	6,29	1,69	kW
Declared power input	D _B	2,36	1,20	kW
Declared COP	COP_B	2,66	1,41	

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

Declared cooling capacity	P _C	7,21	2,16	kW
Declared power input	D _C	2,11	1,19	kW
Declared COP	COP_C	3,42	1,81	

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

Declared cooling capacity	P _D	8,15	2,51	kW
Declared power input	D _D	1,80	1,16	kW
Declared COP	COP_D	4,51	2,17	

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

Declared cooling capacity	P _E	4,65	1,07	kW
Declared power input	D _E	2,67	1,12	kW
Declared COP	COP_E	1,74	0,96	

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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SEPR Declaration Model: LHL3E/2DES-2Y

Refrigerant: R455A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	12037	6803	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,83	1,55	

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

Rated cooling capacity	P _A	5,54	1,41	kW
Rated power input	D _A	2,75	1,23	kW
Rated COP	COP_A	2,01	1,14	

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

Declared cooling capacity	P _B	6,22	1,67	kW
Declared power input	D _B	2,62	1,26	kW
Declared COP	COP_B	2,37	1,33	

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

Declared cooling capacity	P _C	7,20	2,05	kW
Declared power input	D _C	2,38	1,26	kW
Declared COP	COP_C	3,02	1,62	

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

Declared cooling capacity	P _D	8,18	2,55	kW
Declared power input	D _D	2,09	1,23	kW
Declared COP	COP_D	3,92	2,07	

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

Declared cooling capacity	P _E	4,49	--	kW
Declared power input	D _E	2,90	--	kW
Declared COP	COP_E	1,55	--	

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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SEPR Declaration Model: LHL3E/2DES-2Y

Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	12980	8643	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,27	2,01	

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

Rated cooling capacity	P _A	6,90	2,33	kW
Rated power input	D _A	3,09	1,60	kW
Rated COP	COP_A	2,24	1,46	

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

Declared cooling capacity	P _B	7,80	2,68	kW
Declared power input	D _B	2,91	1,58	kW
Declared COP	COP_B	2,68	1,70	

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

Declared cooling capacity	P _C	9,04	3,17	kW
Declared power input	D _C	2,60	1,51	kW
Declared COP	COP_C	3,48	2,10	

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

Declared cooling capacity	P _D	10,24	3,65	kW
Declared power input	D _D	2,21	1,39	kW
Declared COP	COP_D	4,63	2,62	

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

Declared cooling capacity	P _E	5,45	1,65	kW
Declared power input	D _E	3,28	1,56	kW
Declared COP	COP_E	1,66	1,05	

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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SEPR Declaration Model: LHL3E/2DES-2Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	12226	7050	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,13	1,71	

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

Rated cooling capacity	P _A	6,22	1,62	kW
Rated power input	D _A	2,84	1,30	kW
Rated COP	COP_A	2,19	1,24	

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

Declared cooling capacity	P _B	6,92	1,89	kW
Declared power input	D _B	2,68	1,32	kW
Declared COP	COP_B	2,59	1,44	

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

Declared cooling capacity	P _C	7,93	2,41	kW
Declared power input	D _C	2,39	1,30	kW
Declared COP	COP_C	3,32	1,85	

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

Declared cooling capacity	P _D	8,94	2,80	kW
Declared power input	D _D	2,05	1,25	kW
Declared COP	COP_D	4,37	2,24	

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

Declared cooling capacity	P _E	5,13	1,21	kW
Declared power input	D _E	3,03	1,23	kW
Declared COP	COP_E	1,69	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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SEPR Declaration Model: LHL3E/2DES-2Y

Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	12205	7048	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,12	1,71	

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

Rated cooling capacity	P _A	6,19	1,62	kW
Rated power input	D _A	2,84	1,30	kW
Rated COP	COP_A	2,18	1,24	

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

Declared cooling capacity	P _B	6,89	1,89	kW
Declared power input	D _B	2,67	1,32	kW
Declared COP	COP_B	2,58	1,44	

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

Declared cooling capacity	P _C	7,90	2,41	kW
Declared power input	D _C	2,39	1,30	kW
Declared COP	COP_C	3,31	1,85	

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

Declared cooling capacity	P _D	8,92	2,80	kW
Declared power input	D _D	2,05	1,25	kW
Declared COP	COP_D	4,36	2,24	

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

Declared cooling capacity	P _E	5,10	1,21	kW
Declared power input	D _E	3,03	1,23	kW
Declared COP	COP_E	1,69	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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COP Declaration Model: LHL3E/2DES-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	3,79		kW
Rated power input	D _A	1,52		kW
Rated COP	COP_A	2,50		

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

Declared cooling capacity	P _B	4,18		kW
Declared power input	D _B	1,43		kW
Declared COP	COP_B	2,93		

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

Declared cooling capacity	P _E	3,19		kW
Declared power input	D _E	1,62		kW
Declared COP	COP_E	1,96		

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: LHL3E/2DES-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	4,56		kW
Rated power input	D _A	1,80		kW
Rated COP	COP_A	2,53		

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

Declared cooling capacity	P _B	5,05		kW
Declared power input	D _B	1,70		kW
Declared COP	COP_B	2,97		

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

Declared cooling capacity	P _E	3,81		kW
Declared power input	D _E	1,93		kW
Declared COP	COP_E	1,97		

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: LHL3E/2DES-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	4,28		kW
Rated power input	D _A	1,72		kW
Rated COP	COP_A	2,49		

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

Declared cooling capacity	P _B	4,75		kW
Declared power input	D _B	1,61		kW
Declared COP	COP_B	2,95		

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

Declared cooling capacity	P _E	3,56		kW
Declared power input	D _E	1,85		kW
Declared COP	COP_E	1,93		

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-503](#)

Contact details:

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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: LHL3E/2DES-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	3,21		kW
Rated power input	D _A	1,27		kW
Rated COP	COP_A	2,52		

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

Declared cooling capacity	P _B	3,56		kW
Declared power input	D _B	1,20		kW
Declared COP	COP_B	2,96		

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

Declared cooling capacity	P _E	2,70		kW
Declared power input	D _E	1,36		kW
Declared COP	COP_E	1,98		

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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