



Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH64E/2EES-3Y

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	3,79		kW
Rated power input	D _A	1,71		kW
Rated COP	COP_A	2,22		

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

Declared cooling capacity	P _B	4,16		kW
Declared power input	D _B	1,62		kW
Declared COP	COP_B	2,57		

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

Declared cooling capacity	P _E	3,22		kW
Declared power input	D _E	1,81		kW
Declared COP	COP_E	1,78		

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

SEPR Declaration Model: LH64E/2EES-3Y

Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	12417	9219	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,10	1,63	

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

Rated cooling capacity	P _A	6,26	2,02	kW
Rated power input	D _A	2,83	1,67	kW
Rated COP	COP_A	2,21	1,20	

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

Declared cooling capacity	P _B	7,01	2,32	kW
Declared power input	D _B	2,69	1,66	kW
Declared COP	COP_B	2,61	1,40	

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

Declared cooling capacity	P _C	8,03	2,73	kW
Declared power input	D _C	2,43	1,59	kW
Declared COP	COP_C	3,31	1,71	

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

Declared cooling capacity	P _D	9,00	3,12	kW
Declared power input	D _D	2,11	1,49	kW
Declared COP	COP_D	4,27	2,10	

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

Declared cooling capacity	P _E	5,04	1,51	kW
Declared power input	D _E	3,00	1,65	kW
Declared COP	COP_E	1,68	0,92	

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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** 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.



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH64E/2EES-3Y

Refrigerant: R407A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	11474	7648	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,96	1,38	

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

Rated cooling capacity	P _A	5,52	1,42	kW
Rated power input	D _A	2,57	1,36	kW
Rated COP	COP_A	2,15	1,04	

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

Declared cooling capacity	P _B	6,13	1,67	kW
Declared power input	D _B	2,44	1,38	kW
Declared COP	COP_B	2,51	1,21	

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

Declared cooling capacity	P _C	7,00	2,02	kW
Declared power input	D _C	2,22	1,37	kW
Declared COP	COP_C	3,16	1,48	

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

Declared cooling capacity	P _D	7,85	2,34	kW
Declared power input	D _D	1,95	1,33	kW
Declared COP	COP_D	4,03	1,76	

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

Declared cooling capacity	P _E	4,57	1,04	kW
Declared power input	D _E	2,71	1,30	kW
Declared COP	COP_E	1,69	0,80	

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/2EES-3Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	11282		kWh/a
Seasonal Energy Performance Ratio	SEPR	2,96		

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

Rated cooling capacity	P _A	5,42		kW
Rated power input	D _A	2,49		kW
Rated COP	COP_A	2,17		

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

Declared cooling capacity	P _B	5,97		kW
Declared power input	D _B	2,36		kW
Declared COP	COP_B	2,52		

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

Declared cooling capacity	P _C	6,74		kW
Declared power input	D _C	2,14		kW
Declared COP	COP_C	3,15		

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

Declared cooling capacity	P _D	7,50		kW
Declared power input	D _D	1,88		kW
Declared COP	COP_D	3,99		

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

Declared cooling capacity	P _E	4,56		kW
Declared power input	D _E	2,65		kW
Declared COP	COP_E	1,72		

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: LH64E/2EES-3Y

Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	12157	8017	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,95	1,41	

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

Rated cooling capacity	P _A	5,84	1,52	kW
Rated power input	D _A	2,71	1,42	kW
Rated COP	COP_A	2,16	1,07	

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

Declared cooling capacity	P _B	6,45	1,78	kW
Declared power input	D _B	2,57	1,44	kW
Declared COP	COP_B	2,51	1,24	

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

Declared cooling capacity	P _C	7,33	2,14	kW
Declared power input	D _C	2,33	1,42	kW
Declared COP	COP_C	3,15	1,51	

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

Declared cooling capacity	P _D	8,19	2,49	kW
Declared power input	D _D	2,04	1,37	kW
Declared COP	COP_D	4,02	1,81	

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

Declared cooling capacity	P _E	4,88	1,12	kW
Declared power input	D _E	2,87	1,36	kW
Declared COP	COP_E	1,70	0,82	

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: LH64E/2EES-3Y

Refrigerant: R454C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	10816	7583	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,87	1,34	

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

Rated cooling capacity	P _A	5,06	1,37	kW
Rated power input	D _A	2,41	1,33	kW
Rated COP	COP_A	2,10	1,03	

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

Declared cooling capacity	P _B	5,62	1,59	kW
Declared power input	D _B	2,29	1,34	kW
Declared COP	COP_B	2,45	1,19	

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

Declared cooling capacity	P _C	6,41	1,91	kW
Declared power input	D _C	2,09	1,33	kW
Declared COP	COP_C	3,07	1,43	

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

Declared cooling capacity	P _D	7,21	2,22	kW
Declared power input	D _D	1,84	1,31	kW
Declared COP	COP_D	3,91	1,70	

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

Declared cooling capacity	P _E	4,18	1,01	kW
Declared power input	D _E	2,54	1,26	kW
Declared COP	COP_E	1,65	0,80	

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: LH64E/2EES-3Y

Refrigerant: R455A

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	4,94	1,28	kW
Rated power input	D _A	2,61	1,36	kW
Rated COP	COP_A	1,89	0,94	

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

Declared cooling capacity	P _B	5,53	1,53	kW
Declared power input	D _B	2,51	1,39	kW
Declared COP	COP_B	2,21	1,10	

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

Declared cooling capacity	P _E	4,01	--	kW
Declared power input	D _E	2,72	--	kW
Declared COP	COP_E	1,47	--	

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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SEPR Declaration Model: LH64E/2EES-3Y

Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	12435	9233	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,17	1,71	

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

Rated cooling capacity	P _A	6,42	2,12	kW
Rated power input	D _A	2,84	1,67	kW
Rated COP	COP_A	2,26	1,26	

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

Declared cooling capacity	P _B	7,20	2,43	kW
Declared power input	D _B	2,69	1,66	kW
Declared COP	COP_B	2,67	1,47	

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

Declared cooling capacity	P _C	8,26	2,86	kW
Declared power input	D _C	2,44	1,59	kW
Declared COP	COP_C	3,39	1,79	

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

Declared cooling capacity	P _D	9,27	3,28	kW
Declared power input	D _D	2,12	1,49	kW
Declared COP	COP_D	4,37	2,20	

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

Declared cooling capacity	P _E	5,15	1,59	kW
Declared power input	D _E	3,00	1,65	kW
Declared COP	COP_E	1,72	0,97	

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/2EES-3Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	11820	8082	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,98	1,43	

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

Rated cooling capacity	P _A	5,72	1,55	kW
Rated power input	D _A	2,64	1,43	kW
Rated COP	COP_A	2,16	1,08	

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

Declared cooling capacity	P _B	6,33	1,80	kW
Declared power input	D _B	2,51	1,44	kW
Declared COP	COP_B	2,53	1,25	

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

Declared cooling capacity	P _C	7,20	2,16	kW
Declared power input	D _C	2,27	1,42	kW
Declared COP	COP_C	3,17	1,52	

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

Declared cooling capacity	P _D	8,07	2,51	kW
Declared power input	D _D	1,99	1,38	kW
Declared COP	COP_D	4,05	1,82	

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

Declared cooling capacity	P _E	4,76	1,15	kW
Declared power input	D _E	2,80	1,37	kW
Declared COP	COP_E	1,70	0,84	

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: LH64E/2EES-3Y

Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	11805	8079	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,97	1,43	

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

Rated cooling capacity	P _A	5,70	1,55	kW
Rated power input	D _A	2,64	1,43	kW
Rated COP	COP_A	2,16	1,08	

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

Declared cooling capacity	P _B	6,31	1,81	kW
Declared power input	D _B	2,51	1,44	kW
Declared COP	COP_B	2,52	1,25	

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

Declared cooling capacity	P _C	7,18	2,16	kW
Declared power input	D _C	2,27	1,42	kW
Declared COP	COP_C	3,16	1,52	

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

Declared cooling capacity	P _D	8,05	2,51	kW
Declared power input	D _D	1,99	1,38	kW
Declared COP	COP_D	4,05	1,82	

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

Declared cooling capacity	P _E	4,74	1,15	kW
Declared power input	D _E	2,80	1,37	kW
Declared COP	COP_E	1,69	0,84	

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		

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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH64E/2EES-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	3,32		kW
Rated power input	D _A	1,56		kW
Rated COP	COP_A	2,13		

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

Declared cooling capacity	P _B	3,65		kW
Declared power input	D _B	1,49		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	2,81		kW
Declared power input	D _E	1,65		kW
Declared COP	COP_E	1,70		

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: LH64E/2EES-3Y

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	4,02		kW
Rated power input	D _A	1,79		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	4,43		kW
Declared power input	D _B	1,70		kW
Declared COP	COP_B	2,60		

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

Declared cooling capacity	P _E	3,38		kW
Declared power input	D _E	1,90		kW
Declared COP	COP_E	1,78		

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: LH64E/2EES-3Y

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	3,87		kW
Rated power input	D _A	1,76		kW
Rated COP	COP_A	2,20		

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

Declared cooling capacity	P _B	4,28		kW
Declared power input	D _B	1,67		kW
Declared COP	COP_B	2,57		

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

Declared cooling capacity	P _E	3,25		kW
Declared power input	D _E	1,87		kW
Declared COP	COP_E	1,74		

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: LH64E/2EES-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	2,88		kW
Rated power input	D _A	1,39		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	3,18		kW
Declared power input	D _B	1,33		kW
Declared COP	COP_B	2,39		

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

Declared cooling capacity	P _E	2,43		kW
Declared power input	D _E	1,47		kW
Declared COP	COP_E	1,65		

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