



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH84E/4CES-6Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	19735		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,18		

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

Rated cooling capacity	P _A	10,20		kW
Rated power input	D _A	4,31		kW
Rated COP	COP_A	2,37		

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

Declared cooling capacity	P _B	11,14		kW
Declared power input	D _B	4,08		kW
Declared COP	COP_B	2,73		

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

Declared cooling capacity	P _C	12,46		kW
Declared power input	D _C	3,68		kW
Declared COP	COP_C	3,38		

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

Declared cooling capacity	P _D	13,74		kW
Declared power input	D _D	3,24		kW
Declared COP	COP_D	4,24		

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

Declared cooling capacity	P _E	8,70		kW
Declared power input	D _E	4,60		kW
Declared COP	COP_E	1,89		

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

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SEPR Declaration Model: LH84E/4CES-6Y

Refrigerant: R404A

Condensing unit with the selected refrigerant at medium temperature application (MT) 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	-35	°C
Annual electricity consumption	Q	23029	kWh/a
Seasonal Energy Performance Ratio	SEPR	1,82	

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

Rated cooling capacity	P _A	5,61	kW
Rated power input	D _A	4,20	kW
Rated COP	COP _A	1,34	

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

Declared cooling capacity	P _B	6,41	kW
Declared power input	D _B	4,13	kW
Declared COP	COP _B	1,55	

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

Declared cooling capacity	P _C	7,59	kW
Declared power input	D _C	3,97	kW
Declared COP	COP _C	1,91	

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

Declared cooling capacity	P _D	8,77	kW
Declared power input	D _D	3,75	kW
Declared COP	COP _D	2,34	

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

Declared cooling capacity	P _E	4,42	kW
Declared power input	D _E	4,24	kW
Declared COP	COP _E	1,04	

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: LH84E/4CES-6Y

Refrigerant: R407A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	33448	19059	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,61	1,68	

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

Rated cooling capacity	P _A	14,19	4,30	kW
Rated power input	D _A	7,30	3,38	kW
Rated COP	COP_A	1,94	1,27	

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

Declared cooling capacity	P _B	15,73	4,93	kW
Declared power input	D _B	6,97	3,36	kW
Declared COP	COP_B	2,26	1,47	

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

Declared cooling capacity	P _C	17,95	5,84	kW
Declared power input	D _C	6,42	3,28	kW
Declared COP	COP_C	2,80	1,78	

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

Declared cooling capacity	P _D	20,2	6,70	kW
Declared power input	D _D	5,77	3,14	kW
Declared COP	COP_D	3,50	2,13	

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

Declared cooling capacity	P _E	--	3,37	kW
Declared power input	D _E	--	3,35	kW
Declared COP	COP_E	--	1,01	

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: LH84E/4CES-6Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	31326		kWh/a
Seasonal Energy Performance Ratio	SEPR	2,68		

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

Rated cooling capacity	P _A	13,68		kW
Rated power input	D _A	6,76		kW
Rated COP	COP_A	2,02		

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

Declared cooling capacity	P _B	15,13		kW
Declared power input	D _B	6,48		kW
Declared COP	COP_B	2,34		

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

Declared cooling capacity	P _C	17,19		kW
Declared power input	D _C	5,97		kW
Declared COP	COP_C	2,88		

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

Declared cooling capacity	P _D	19,21		kW
Declared power input	D _D	5,37		kW
Declared COP	COP_D	3,58		

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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SEPR Declaration Model: LH84E/4CES-6Y

Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	35986	20135	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,56	1,69	

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

Rated cooling capacity	P _A	14,96	4,57	kW
Rated power input	D _A	7,81	3,57	kW
Rated COP	COP_A	1,91	1,28	

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

Declared cooling capacity	P _B	16,52	5,22	kW
Declared power input	D _B	7,46	3,55	kW
Declared COP	COP_B	2,21	1,47	

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

Declared cooling capacity	P _C	18,76	6,17	kW
Declared power input	D _C	6,85	3,45	kW
Declared COP	COP_C	2,74	1,79	

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

Declared cooling capacity	P _D	21,0	7,07	kW
Declared power input	D _D	6,15	3,29	kW
Declared COP	COP_D	3,42	2,15	

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

Declared cooling capacity	P _E	--	3,61	kW
Declared power input	D _E	--	3,55	kW
Declared COP	COP_E	--	1,02	

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: LH84E/4CES-6Y

Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	37542	23066	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,56	1,89	

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

Rated cooling capacity	P _A	15,66	5,86	kW
Rated power input	D _A	8,27	4,20	kW
Rated COP	COP_A	1,89	1,40	

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

Declared cooling capacity	P _B	17,57	6,69	kW
Declared power input	D _B	7,92	4,13	kW
Declared COP	COP_B	2,22	1,62	

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

Declared cooling capacity	P _C	20,3	7,92	kW
Declared power input	D _C	7,33	3,98	kW
Declared COP	COP_C	2,77	1,99	

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

Declared cooling capacity	P _D	23,0	9,16	kW
Declared power input	D _D	6,65	3,76	kW
Declared COP	COP_D	3,45	2,44	

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

Declared cooling capacity	P _E	12,58	4,61	kW
Declared power input	D _E	8,73	4,24	kW
Declared COP	COP_E	1,44	1,09	

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: LH84E/4CES-6Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	34769	20228	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,58	1,70	

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

Rated cooling capacity	P _A	14,61	4,61	kW
Rated power input	D _A	7,59	3,59	kW
Rated COP	COP_A	1,92	1,28	

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

Declared cooling capacity	P _B	16,18	5,26	kW
Declared power input	D _B	7,24	3,56	kW
Declared COP	COP_B	2,23	1,48	

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

Declared cooling capacity	P _C	18,43	6,21	kW
Declared power input	D _C	6,65	3,47	kW
Declared COP	COP_C	2,77	1,79	

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

Declared cooling capacity	P _D	20,7	7,12	kW
Declared power input	D _D	5,97	3,30	kW
Declared COP	COP_D	3,46	2,16	

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

Declared cooling capacity	P _E	--	3,64	kW
Declared power input	D _E	--	3,56	kW
Declared COP	COP_E	--	1,02	

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: LH84E/4CES-6Y

Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	34720	20214	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,57	1,70	

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

Rated cooling capacity	P _A	14,54	4,60	kW
Rated power input	D _A	7,59	3,59	kW
Rated COP	COP_A	1,92	1,28	

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

Declared cooling capacity	P _B	16,11	5,25	kW
Declared power input	D _B	7,24	3,56	kW
Declared COP	COP_B	2,22	1,48	

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

Declared cooling capacity	P _C	18,36	6,21	kW
Declared power input	D _C	6,65	3,47	kW
Declared COP	COP_C	2,76	1,79	

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

Declared cooling capacity	P _D	20,6	7,12	kW
Declared power input	D _D	5,97	3,30	kW
Declared COP	COP_D	3,46	2,16	

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

Declared cooling capacity	P _E	--	3,64	kW
Declared power input	D _E	--	3,56	kW
Declared COP	COP_E	--	1,02	

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: LH84E/4CES-6Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	17433		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	9,00		kW
Rated power input	D _A	3,83		kW
Rated COP	COP_A	2,35		

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

Declared cooling capacity	P _B	9,85		kW
Declared power input	D _B	3,61		kW
Declared COP	COP_B	2,73		

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

Declared cooling capacity	P _C	11,02		kW
Declared power input	D _C	3,26		kW
Declared COP	COP_C	3,38		

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

Declared cooling capacity	P _D	12,15		kW
Declared power input	D _D	2,86		kW
Declared COP	COP_D	4,24		

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

Declared cooling capacity	P _E	7,66		kW
Declared power input	D _E	4,10		kW
Declared COP	COP_E	1,87		

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: LH84E/4CES-6Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	20863		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,15		

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

Rated cooling capacity	P _A	10,68		kW
Rated power input	D _A	4,57		kW
Rated COP	COP_A	2,34		

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

Declared cooling capacity	P _B	11,73		kW
Declared power input	D _B	4,33		kW
Declared COP	COP_B	2,71		

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

Declared cooling capacity	P _C	13,20		kW
Declared power input	D _C	3,93		kW
Declared COP	COP_C	3,36		

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

Declared cooling capacity	P _D	14,60		kW
Declared power input	D _D	3,47		kW
Declared COP	COP_D	4,21		

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

Declared cooling capacity	P _E	9,00		kW
Declared power input	D _E	4,86		kW
Declared COP	COP_E	1,85		

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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