



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH265E/4GE-23Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	50291		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,51		

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

Rated cooling capacity	P _A	28,7		kW
Rated power input	D _A	11,25		kW
Rated COP	COP_A	2,55		

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

Declared cooling capacity	P _B	31,4		kW
Declared power input	D _B	10,58		kW
Declared COP	COP_B	2,97		

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

Declared cooling capacity	P _C	34,9		kW
Declared power input	D _C	9,42		kW
Declared COP	COP_C	3,71		

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

Declared cooling capacity	P _D	38,2		kW
Declared power input	D _D	8,04		kW
Declared COP	COP_D	4,75		

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

Declared cooling capacity	P _E	24,1		kW
Declared power input	D _E	12,06		kW
Declared COP	COP_E	2,00		

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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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH265E/4GE-23Y

Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	95647	65500	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,96	1,90	

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

Rated cooling capacity	P _A	46,0	16,65	kW
Rated power input	D _A	21,8	11,79	kW
Rated COP	COP_A	2,11	1,41	

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

Declared cooling capacity	P _B	51,3	18,73	kW
Declared power input	D _B	20,6	11,51	kW
Declared COP	COP_B	2,49	1,63	

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

Declared cooling capacity	P _C	58,8	21,7	kW
Declared power input	D _C	18,61	10,93	kW
Declared COP	COP_C	3,16	1,98	

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

Declared cooling capacity	P _D	66,1	24,5	kW
Declared power input	D _D	16,25	10,16	kW
Declared COP	COP_D	4,07	2,41	

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

Declared cooling capacity	P _E	37,6	13,40	kW
Declared power input	D _E	23,4	12,03	kW
Declared COP	COP_E	1,60	1,11	

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: LH265E/4GE-23Y

Refrigerant: R407A

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
Annual electricity consumption	Q	84849	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,00	

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

Rated cooling capacity	P _A	41,4	kW
Rated power input	D _A	19,21	kW
Rated COP	COP _A	2,16	

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

Declared cooling capacity	P _B	45,7	kW
Declared power input	D _B	18,06	kW
Declared COP	COP _B	2,53	

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

Declared cooling capacity	P _C	51,9	kW
Declared power input	D _C	16,23	kW
Declared COP	COP _C	3,20	

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

Declared cooling capacity	P _D	58,1	kW
Declared power input	D _D	14,16	kW
Declared COP	COP _D	4,10	

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

Declared cooling capacity	P _E	34,9	kW
Declared power input	D _E	20,8	kW
Declared COP	COP _E	1,68	

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: LH265E/4GE-23Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	79617		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,03		

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

Rated cooling capacity	P _A	39,2		kW
Rated power input	D _A	17,93		kW
Rated COP	COP_A	2,19		

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

Declared cooling capacity	P _B	43,3		kW
Declared power input	D _B	16,91		kW
Declared COP	COP_B	2,56		

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

Declared cooling capacity	P _C	49,0		kW
Declared power input	D _C	15,21		kW
Declared COP	COP_C	3,22		

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

Declared cooling capacity	P _D	54,6		kW
Declared power input	D _D	13,22		kW
Declared COP	COP_D	4,13		

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: LH265E/4GE-23Y

Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	89597	55669	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,03	1,71	

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

Rated cooling capacity	P _A	44,1	12,79	kW
Rated power input	D _A	20,3	10,15	kW
Rated COP	COP_A	2,18	1,26	

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

Declared cooling capacity	P _B	48,6	14,57	kW
Declared power input	D _B	19,03	9,91	kW
Declared COP	COP_B	2,55	1,47	

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

Declared cooling capacity	P _C	54,9	17,12	kW
Declared power input	D _C	17,06	9,49	kW
Declared COP	COP_C	3,22	1,80	

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

Declared cooling capacity	P _D	61,1	19,67	kW
Declared power input	D _D	14,81	8,99	kW
Declared COP	COP_D	4,13	2,19	

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

Declared cooling capacity	P _E	37,1	--	kW
Declared power input	D _E	21,9	--	kW
Declared COP	COP_E	1,69	--	

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: LH265E/4GE-23Y

Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	95827	65507	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,02	1,98	

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

Rated cooling capacity	P _A	47,1	17,39	kW
Rated power input	D _A	21,9	11,79	kW
Rated COP	COP_A	2,15	1,47	

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

Declared cooling capacity	P _B	52,6	19,57	kW
Declared power input	D _B	20,7	11,52	kW
Declared COP	COP_B	2,54	1,70	

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

Declared cooling capacity	P _C	60,3	22,6	kW
Declared power input	D _C	18,69	10,95	kW
Declared COP	COP_C	3,23	2,07	

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

Declared cooling capacity	P _D	67,9	25,6	kW
Declared power input	D _D	16,37	10,18	kW
Declared COP	COP_D	4,15	2,51	

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

Declared cooling capacity	P _E	38,2	13,98	kW
Declared power input	D _E	23,5	12,03	kW
Declared COP	COP_E	1,63	1,16	

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: LH265E/4GE-23Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	87019	57905	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,05	1,76	

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

Rated cooling capacity	P _A	43,2	13,70	kW
Rated power input	D _A	19,69	10,19	kW
Rated COP	COP_A	2,19	1,34	

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

Declared cooling capacity	P _B	47,6	15,35	kW
Declared power input	D _B	18,50	9,94	kW
Declared COP	COP_B	2,57	1,54	

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

Declared cooling capacity	P _C	53,8	17,65	kW
Declared power input	D _C	16,57	9,53	kW
Declared COP	COP_C	3,25	1,85	

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

Declared cooling capacity	P _D	59,7	19,85	kW
Declared power input	D _D	14,36	9,02	kW
Declared COP	COP_D	4,16	2,20	

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

Declared cooling capacity	P _E	36,2	11,12	kW
Declared power input	D _E	21,3	10,51	kW
Declared COP	COP_E	1,70	1,06	

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: LH265E/4GE-23Y

Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	86858	57849	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,04	1,76	

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

Rated cooling capacity	P _A	43,0	13,68	kW
Rated power input	D _A	19,69	10,19	kW
Rated COP	COP_A	2,18	1,34	

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

Declared cooling capacity	P _B	47,4	15,34	kW
Declared power input	D _B	18,49	9,94	kW
Declared COP	COP_B	2,56	1,54	

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

Declared cooling capacity	P _C	53,6	17,65	kW
Declared power input	D _C	16,56	9,53	kW
Declared COP	COP_C	3,24	1,85	

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

Declared cooling capacity	P _D	59,6	19,86	kW
Declared power input	D _D	14,35	9,02	kW
Declared COP	COP_D	4,15	2,20	

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

Declared cooling capacity	P _E	36,0	11,10	kW
Declared power input	D _E	21,3	10,51	kW
Declared COP	COP_E	1,69	1,06	

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: LH265E/4GE-23Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	44762		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,47		

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

Rated cooling capacity	P _A	25,2		kW
Rated power input	D _A	10,02		kW
Rated COP	COP_A	2,52		

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

Declared cooling capacity	P _B	27,6		kW
Declared power input	D _B	9,40		kW
Declared COP	COP_B	2,94		

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

Declared cooling capacity	P _C	30,8		kW
Declared power input	D _C	8,36		kW
Declared COP	COP_C	3,68		

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

Declared cooling capacity	P _D	33,6		kW
Declared power input	D _D	7,19		kW
Declared COP	COP_D	4,67		

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

Declared cooling capacity	P _E	21,1		kW
Declared power input	D _E	10,77		kW
Declared COP	COP_E	1,96		

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: LH265E/4GE-23Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	52753		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,52		

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

Rated cooling capacity	P _A	30,2		kW
Rated power input	D _A	11,88		kW
Rated COP	COP_A	2,55		

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

Declared cooling capacity	P _B	33,3		kW
Declared power input	D _B	11,18		kW
Declared COP	COP_B	2,98		

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

Declared cooling capacity	P _C	37,3		kW
Declared power input	D _C	9,98		kW
Declared COP	COP_C	3,73		

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

Declared cooling capacity	P _D	40,9		kW
Declared power input	D _D	8,54		kW
Declared COP	COP_D	4,79		

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

Declared cooling capacity	P _E	25,1		kW
Declared power input	D _E	12,71		kW
Declared COP	COP_E	1,98		

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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