



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH265E/4FE-28Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	63372		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,34		

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

Rated cooling capacity	P _A	34,4		kW
Rated power input	D _A	13,87		kW
Rated COP	COP_A	2,48		

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

Declared cooling capacity	P _B	37,3		kW
Declared power input	D _B	13,07		kW
Declared COP	COP_B	2,85		

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

Declared cooling capacity	P _C	41,5		kW
Declared power input	D _C	11,74		kW
Declared COP	COP_C	3,53		

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

Declared cooling capacity	P _D	45,6		kW
Declared power input	D _D	10,20		kW
Declared COP	COP_D	4,47		

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

Declared cooling capacity	P _E	29,7		kW
Declared power input	D _E	14,90		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/4FE-28Y

Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	116392	77603	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,76	1,88	

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

Rated cooling capacity	P _A	52,3	19,57	kW
Rated power input	D _A	26,1	13,89	kW
Rated COP	COP_A	2,00	1,41	

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

Declared cooling capacity	P _B	58,4	22,0	kW
Declared power input	D _B	24,8	13,63	kW
Declared COP	COP_B	2,35	1,62	

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

Declared cooling capacity	P _C	67,0	25,5	kW
Declared power input	D _C	22,6	12,99	kW
Declared COP	COP_C	2,96	1,96	

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

Declared cooling capacity	P _D	75,5	28,8	kW
Declared power input	D _D	20,1	12,06	kW
Declared COP	COP_D	3,76	2,39	

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

Declared cooling capacity	P _E	42,6	15,63	kW
Declared power input	D _E	27,7	13,96	kW
Declared COP	COP_E	1,54	1,12	

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/4FE-28Y

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	99918	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,90	

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

Rated cooling capacity	P _A	47,2	kW
Rated power input	D _A	22,2	kW
Rated COP	COP _A	2,13	

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

Declared cooling capacity	P _B	52,2	kW
Declared power input	D _B	21,0	kW
Declared COP	COP _B	2,48	

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

Declared cooling capacity	P _C	59,5	kW
Declared power input	D _C	19,18	kW
Declared COP	COP _C	3,10	

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

Declared cooling capacity	P _D	66,9	kW
Declared power input	D _D	17,00	kW
Declared COP	COP _D	3,93	

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

Declared cooling capacity	P _E	39,4	kW
Declared power input	D _E	23,7	kW
Declared COP	COP _E	1,67	

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/4FE-28Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	96222		kWh/a
Seasonal Energy Performance Ratio	SEPR	2,93		

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

Rated cooling capacity	P _A	45,9		kW
Rated power input	D _A	21,3		kW
Rated COP	COP_A	2,15		

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

Declared cooling capacity	P _B	50,6		kW
Declared power input	D _B	20,2		kW
Declared COP	COP_B	2,51		

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

Declared cooling capacity	P _C	57,3		kW
Declared power input	D _C	18,32		kW
Declared COP	COP_C	3,13		

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

Declared cooling capacity	P _D	63,9		kW
Declared power input	D _D	16,11		kW
Declared COP	COP_D	3,96		

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/4FE-28Y

Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	107232	64832	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,91	1,73	

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

Rated cooling capacity	P _A	50,8	15,00	kW
Rated power input	D _A	23,8	11,81	kW
Rated COP	COP_A	2,13	1,27	

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

Declared cooling capacity	P _B	56,1	17,11	kW
Declared power input	D _B	22,5	11,54	kW
Declared COP	COP_B	2,49	1,48	

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

Declared cooling capacity	P _C	63,5	20,1	kW
Declared power input	D _C	20,4	11,07	kW
Declared COP	COP_C	3,11	1,82	

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

Declared cooling capacity	P _D	70,9	23,2	kW
Declared power input	D _D	18,02	10,50	kW
Declared COP	COP_D	3,93	2,21	

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

Declared cooling capacity	P _E	42,6	--	kW
Declared power input	D _E	25,5	--	kW
Declared COP	COP_E	1,67	--	

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/4FE-28Y

Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	116572	77678	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,81	1,96	

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

Rated cooling capacity	P _A	53,4	20,4	kW
Rated power input	D _A	26,1	13,89	kW
Rated COP	COP_A	2,04	1,47	

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

Declared cooling capacity	P _B	59,7	23,0	kW
Declared power input	D _B	24,9	13,64	kW
Declared COP	COP_B	2,40	1,69	

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

Declared cooling capacity	P _C	68,6	26,6	kW
Declared power input	D _C	22,7	13,01	kW
Declared COP	COP_C	3,02	2,05	

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

Declared cooling capacity	P _D	77,5	30,1	kW
Declared power input	D _D	20,2	12,09	kW
Declared COP	COP_D	3,83	2,49	

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

Declared cooling capacity	P _E	43,2	16,32	kW
Declared power input	D _E	27,7	13,96	kW
Declared COP	COP_E	1,56	1,17	

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/4FE-28Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	104339	67118	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,93	1,79	

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

Rated cooling capacity	P _A	49,6	16,11	kW
Rated power input	D _A	23,1	11,86	kW
Rated COP	COP_A	2,15	1,36	

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

Declared cooling capacity	P _B	54,7	18,15	kW
Declared power input	D _B	21,9	11,59	kW
Declared COP	COP_B	2,50	1,57	

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

Declared cooling capacity	P _C	61,8	20,9	kW
Declared power input	D _C	19,81	11,12	kW
Declared COP	COP_C	3,12	1,88	

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

Declared cooling capacity	P _D	68,8	23,6	kW
Declared power input	D _D	17,42	10,54	kW
Declared COP	COP_D	3,95	2,24	

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

Declared cooling capacity	P _E	41,6	12,76	kW
Declared power input	D _E	24,8	12,21	kW
Declared COP	COP_E	1,67	1,04	

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/4FE-28Y

Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	104139	67068	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,92	1,79	

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

Rated cooling capacity	P _A	49,4	16,09	kW
Rated power input	D _A	23,1	11,86	kW
Rated COP	COP_A	2,14	1,36	

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

Declared cooling capacity	P _B	54,5	18,14	kW
Declared power input	D _B	21,9	11,59	kW
Declared COP	COP_B	2,49	1,57	

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

Declared cooling capacity	P _C	61,6	20,9	kW
Declared power input	D _C	19,80	11,12	kW
Declared COP	COP_C	3,11	1,88	

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

Declared cooling capacity	P _D	68,6	23,6	kW
Declared power input	D _D	17,40	10,54	kW
Declared COP	COP_D	3,94	2,24	

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

Declared cooling capacity	P _E	41,3	12,75	kW
Declared power input	D _E	24,8	12,21	kW
Declared COP	COP_E	1,66	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: LH265E/4FE-28Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	56183		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,31		

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

Rated cooling capacity	P _A	30,3		kW
Rated power input	D _A	12,30		kW
Rated COP	COP_A	2,46		

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

Declared cooling capacity	P _B	32,9		kW
Declared power input	D _B	11,60		kW
Declared COP	COP_B	2,84		

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

Declared cooling capacity	P _C	36,6		kW
Declared power input	D _C	10,43		kW
Declared COP	COP_C	3,51		

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

Declared cooling capacity	P _D	40,3		kW
Declared power input	D _D	9,08		kW
Declared COP	COP_D	4,44		

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

Declared cooling capacity	P _E	26,1		kW
Declared power input	D _E	13,23		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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SEPR Declaration Model: LH265E/4FE-28Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	66607		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,33		

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

Rated cooling capacity	P _A	36,1		kW
Rated power input	D _A	14,67		kW
Rated COP	COP_A	2,46		

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

Declared cooling capacity	P _B	39,4		kW
Declared power input	D _B	13,84		kW
Declared COP	COP_B	2,85		

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

Declared cooling capacity	P _C	44,1		kW
Declared power input	D _C	12,47		kW
Declared COP	COP_C	3,53		

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

Declared cooling capacity	P _D	48,7		kW
Declared power input	D _D	10,86		kW
Declared COP	COP_D	4,48		

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

Declared cooling capacity	P _E	30,8		kW
Declared power input	D _E	15,73		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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