



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH265E/4FE-35Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	61431		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,36		

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

Rated cooling capacity	P _A	33,6		kW
Rated power input	D _A	13,46		kW
Rated COP	COP_A	2,50		

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

Declared cooling capacity	P _B	36,6		kW
Declared power input	D _B	12,72		kW
Declared COP	COP_B	2,88		

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

Declared cooling capacity	P _C	40,9		kW
Declared power input	D _C	11,47		kW
Declared COP	COP_C	3,57		

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

Declared cooling capacity	P _D	45,1		kW
Declared power input	D _D	9,99		kW
Declared COP	COP_D	4,52		

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

Declared cooling capacity	P _E	28,9		kW
Declared power input	D _E	14,38		kW
Declared COP	COP_E	2,01		

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		

Additional document: [Declaration of Conformity AC-500](#)

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SEPR Declaration Model: LH265E/4FE-35Y

Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	113699	75456	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,81	1,90	

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

Rated cooling capacity	P _A	51,9	19,19	kW
Rated power input	D _A	25,5	13,53	kW
Rated COP	COP_A	2,04	1,42	

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

Declared cooling capacity	P _B	58,0	21,7	kW
Declared power input	D _B	24,2	13,30	kW
Declared COP	COP_B	2,39	1,63	

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

Declared cooling capacity	P _C	66,7	25,2	kW
Declared power input	D _C	22,2	12,71	kW
Declared COP	COP_C	3,01	1,98	

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

Declared cooling capacity	P _D	75,2	28,6	kW
Declared power input	D _D	19,68	11,82	kW
Declared COP	COP_D	3,82	2,42	

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

Declared cooling capacity	P _E	42,2	15,21	kW
Declared power input	D _E	27,0	13,54	kW
Declared COP	COP_E	1,56	1,12	

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-35Y

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	96209	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,95	

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

Rated cooling capacity	P _A	46,1	kW
Rated power input	D _A	21,4	kW
Rated COP	COP _A	2,16	

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

Declared cooling capacity	P _B	51,2	kW
Declared power input	D _B	20,3	kW
Declared COP	COP _B	2,52	

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

Declared cooling capacity	P _C	58,6	kW
Declared power input	D _C	18,60	kW
Declared COP	COP _C	3,15	

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

Declared cooling capacity	P _D	66,1	kW
Declared power input	D _D	16,54	kW
Declared COP	COP _D	4,00	

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

Declared cooling capacity	P _E	38,2	kW
Declared power input	D _E	22,7	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/4FE-35Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	92214		kWh/a
Seasonal Energy Performance Ratio	SEPR	2,99		

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

Rated cooling capacity	P _A	44,9		kW
Rated power input	D _A	20,3		kW
Rated COP	COP_A	2,21		

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

Declared cooling capacity	P _B	49,7		kW
Declared power input	D _B	19,38		kW
Declared COP	COP_B	2,56		

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

Declared cooling capacity	P _C	56,5		kW
Declared power input	D _C	17,68		kW
Declared COP	COP_C	3,20		

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

Declared cooling capacity	P _D	63,2		kW
Declared power input	D _D	15,62		kW
Declared COP	COP_D	4,04		

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

Declared cooling capacity	P _E	37,4		kW
Declared power input	D _E	21,5		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		
Coefficient of degradation for units w/o capacity control**	Cdc	0,25		

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SEPR Declaration Model: LH265E/4FE-35Y

Refrigerant: R407F

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Item	Symbol*	Value	Unit
Evaporating temperature	t	-10	°C
Annual electricity consumption	Q	103864	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,94	

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

Rated cooling capacity	P _A	49,6	kW
Rated power input	D _A	23,1	kW
Rated COP	COP _A	2,14	

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

Declared cooling capacity	P _B	55,0	kW
Declared power input	D _B	21,9	kW
Declared COP	COP _B	2,51	

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

Declared cooling capacity	P _C	62,6	kW
Declared power input	D _C	19,94	kW
Declared COP	COP _C	3,14	

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

Declared cooling capacity	P _D	70,1	kW
Declared power input	D _D	17,60	kW
Declared COP	COP _D	3,98	

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

Declared cooling capacity	P _E	41,3	kW
Declared power input	D _E	24,7	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-35Y

Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	113880	75545	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,86	1,98	

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

Rated cooling capacity	P _A	53,0	20,0	kW
Rated power input	D _A	25,5	13,53	kW
Rated COP	COP_A	2,08	1,48	

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

Declared cooling capacity	P _B	59,4	22,6	kW
Declared power input	D _B	24,3	13,31	kW
Declared COP	COP_B	2,44	1,70	

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

Declared cooling capacity	P _C	68,3	26,3	kW
Declared power input	D _C	22,2	12,73	kW
Declared COP	COP_C	3,07	2,07	

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

Declared cooling capacity	P _D	77,2	29,9	kW
Declared power input	D _D	19,81	11,85	kW
Declared COP	COP_D	3,90	2,52	

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

Declared cooling capacity	P _E	42,8	15,89	kW
Declared power input	D _E	27,0	13,53	kW
Declared COP	COP_E	1,59	1,17	

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-35Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	101724	65037	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,97	1,80	

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

Rated cooling capacity	P _A	49,2	15,72	kW
Rated power input	D _A	22,5	11,50	kW
Rated COP	COP_A	2,18	1,37	

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

Declared cooling capacity	P _B	54,3	17,79	kW
Declared power input	D _B	21,3	11,28	kW
Declared COP	COP_B	2,54	1,58	

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

Declared cooling capacity	P _C	61,5	20,6	kW
Declared power input	D _C	19,36	10,86	kW
Declared COP	COP_C	3,17	1,90	

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

Declared cooling capacity	P _D	68,5	23,3	kW
Declared power input	D _D	17,05	10,34	kW
Declared COP	COP_D	4,02	2,26	

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

Declared cooling capacity	P _E	41,1	12,31	kW
Declared power input	D _E	24,1	11,71	kW
Declared COP	COP_E	1,71	1,05	

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-35Y

Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	101534	64994	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,97	1,80	

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

Rated cooling capacity	P _A	49,0	15,70	kW
Rated power input	D _A	22,5	11,50	kW
Rated COP	COP_A	2,17	1,37	

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

Declared cooling capacity	P _B	54,1	17,78	kW
Declared power input	D _B	21,3	11,28	kW
Declared COP	COP_B	2,53	1,58	

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

Declared cooling capacity	P _C	61,2	20,6	kW
Declared power input	D _C	19,35	10,86	kW
Declared COP	COP_C	3,16	1,90	

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

Declared cooling capacity	P _D	68,3	23,4	kW
Declared power input	D _D	17,04	10,34	kW
Declared COP	COP_D	4,01	2,26	

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

Declared cooling capacity	P _E	40,9	12,31	kW
Declared power input	D _E	24,1	11,71	kW
Declared COP	COP_E	1,70	1,05	

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

SEPR Declaration Model: LH265E/4FE-35Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	54531		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	29,6		kW
Rated power input	D _A	11,96		kW
Rated COP	COP_A	2,48		

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

Declared cooling capacity	P _B	32,3		kW
Declared power input	D _B	11,30		kW
Declared COP	COP_B	2,86		

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

Declared cooling capacity	P _C	36,1		kW
Declared power input	D _C	10,20		kW
Declared COP	COP_C	3,54		

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

Declared cooling capacity	P _D	39,9		kW
Declared power input	D _D	8,90		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	25,4		kW
Declared power input	D _E	12,79		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		
Coefficient of degradation for units w/o capacity control**	C _{dc}	0,25		

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SEPR Declaration Model: LH265E/4FE-35Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	64585		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,36		

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

Rated cooling capacity	P _A	35,3		kW
Rated power input	D _A	14,23		kW
Rated COP	COP_A	2,48		

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

Declared cooling capacity	P _B	38,7		kW
Declared power input	D _B	13,47		kW
Declared COP	COP_B	2,87		

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

Declared cooling capacity	P _C	43,5		kW
Declared power input	D _C	12,17		kW
Declared COP	COP_C	3,57		

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

Declared cooling capacity	P _D	48,2		kW
Declared power input	D _D	10,63		kW
Declared COP	COP_D	4,53		

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

Declared cooling capacity	P _E	30,0		kW
Declared power input	D _E	15,18		kW
Declared COP	COP_E	1,97		

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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