



## Performance Data Sheet according to EU Regulation 2015/1095

### SEPR Declaration Model: LH265E/6HE-28Y

#### Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	64841		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,42		

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

Rated cooling capacity	P <sub>A</sub>	36,1		kW
Rated power input	D <sub>A</sub>	14,48		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,49</b>		

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

Declared cooling capacity	P <sub>B</sub>	39,5		kW
Declared power input	D <sub>B</sub>	13,67		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,89</b>		

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

Declared cooling capacity	P <sub>C</sub>	44,4		kW
Declared power input	D <sub>C</sub>	12,25		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,62</b>		

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

Declared cooling capacity	P <sub>D</sub>	49,1		kW
Declared power input	D <sub>D</sub>	10,53		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,66</b>		

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

Declared cooling capacity	P <sub>E</sub>	30,7		kW
Declared power input	D <sub>E</sub>	15,43		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,99</b>		

#### 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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## Performance Data Sheet according to EU Regulation 2015/1095

### SEPR Declaration Model: LH265E/6HE-28Y

#### Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	121704	78500	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,78	1,91	

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

Rated cooling capacity	P <sub>A</sub>	55,1	20,1	kW
Rated power input	D <sub>A</sub>	27,3	14,21	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,02</b>	<b>1,42</b>	

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

Declared cooling capacity	P <sub>B</sub>	61,6	22,9	kW
Declared power input	D <sub>B</sub>	25,9	13,98	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,37</b>	<b>1,64</b>	

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

Declared cooling capacity	P <sub>C</sub>	70,8	26,9	kW
Declared power input	D <sub>C</sub>	23,7	13,41	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>2,99</b>	<b>2,00</b>	

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

Declared cooling capacity	P <sub>D</sub>	80,1	30,9	kW
Declared power input	D <sub>D</sub>	21,2	12,60	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,78</b>	<b>2,45</b>	

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

Declared cooling capacity	P <sub>E</sub>	44,7	15,82	kW
Declared power input	D <sub>E</sub>	28,9	14,23	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,54</b>	<b>1,11</b>	

#### Other items

Capacity control		—		
Reference temperature		Dew point temp.		
Suction gas temperature	to <sub>h</sub>	20°C		
Power voltage	Net	400V/50Hz		
Coefficient of degradation for units w/o capacity control**	C <sub>dc</sub>	0,25		

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## Performance Data Sheet according to EU Regulation 2015/1095

### SEPR Declaration Model: LH265E/6HE-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	108624	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,84	

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

Rated cooling capacity	P <sub>A</sub>	50,2	kW
Rated power input	D <sub>A</sub>	23,9	kW
Rated COP	COP <sub>A</sub>	2,10	

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

Declared cooling capacity	P <sub>B</sub>	55,6	kW
Declared power input	D <sub>B</sub>	22,8	kW
Declared COP	COP <sub>B</sub>	2,44	

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

Declared cooling capacity	P <sub>C</sub>	63,6	kW
Declared power input	D <sub>C</sub>	20,9	kW
Declared COP	COP <sub>C</sub>	3,04	

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

Declared cooling capacity	P <sub>D</sub>	71,7	kW
Declared power input	D <sub>D</sub>	18,69	kW
Declared COP	COP <sub>D</sub>	3,84	

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

Declared cooling capacity	P <sub>E</sub>	41,7	kW
Declared power input	D <sub>E</sub>	25,3	kW
Declared COP	COP <sub>E</sub>	1,64	

#### 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: LH265E/6HE-28Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	104559		kWh/a
Seasonal Energy Performance Ratio	SEPR	2,85		

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

Rated cooling capacity	P <sub>A</sub>	48,4		kW
Rated power input	D <sub>A</sub>	23,1		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,10</b>		

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

Declared cooling capacity	P <sub>B</sub>	53,6		kW
Declared power input	D <sub>B</sub>	22,0		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,44</b>		

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

Declared cooling capacity	P <sub>C</sub>	61,0		kW
Declared power input	D <sub>C</sub>	20,0		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,04</b>		

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

Declared cooling capacity	P <sub>D</sub>	68,2		kW
Declared power input	D <sub>D</sub>	17,73		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,85</b>		

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

Declared cooling capacity	P <sub>E</sub>	--		kW
Declared power input	D <sub>E</sub>	--		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	--		

### 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: LH265E/6HE-28Y

Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	116456	67361	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,82	1,72	

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

Rated cooling capacity	P <sub>A</sub>	53,5	15,57	kW
Rated power input	D <sub>A</sub>	25,7	12,24	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,08</b>	<b>1,27</b>	

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

Declared cooling capacity	P <sub>B</sub>	59,2	17,91	kW
Declared power input	D <sub>B</sub>	24,4	12,06	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,42</b>	<b>1,48</b>	

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

Declared cooling capacity	P <sub>C</sub>	67,4	21,3	kW
Declared power input	D <sub>C</sub>	22,3	11,69	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,02</b>	<b>1,82</b>	

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

Declared cooling capacity	P <sub>D</sub>	75,5	24,7	kW
Declared power input	D <sub>D</sub>	19,84	11,16	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,81</b>	<b>2,21</b>	

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

Declared cooling capacity	P <sub>E</sub>	44,5	--	kW
Declared power input	D <sub>E</sub>	27,3	--	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,63</b>	--	

### 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: LH265E/6HE-28Y

#### Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	121947	78599	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,83	1,99	

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

Rated cooling capacity	P <sub>A</sub>	56,2	21,0	kW
Rated power input	D <sub>A</sub>	27,3	14,21	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,06</b>	<b>1,48</b>	

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

Declared cooling capacity	P <sub>B</sub>	63,0	23,9	kW
Declared power input	D <sub>B</sub>	26,0	13,99	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,42</b>	<b>1,71</b>	

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

Declared cooling capacity	P <sub>C</sub>	72,5	28,1	kW
Declared power input	D <sub>C</sub>	23,8	13,43	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,04</b>	<b>2,09</b>	

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

Declared cooling capacity	P <sub>D</sub>	82,2	32,3	kW
Declared power input	D <sub>D</sub>	21,3	12,63	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,85</b>	<b>2,56</b>	

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

Declared cooling capacity	P <sub>E</sub>	45,4	16,53	kW
Declared power input	D <sub>E</sub>	29,0	14,22	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,57</b>	<b>1,16</b>	

#### Other items

Capacity control		—		
Reference temperature		Dew point temp.		
Suction gas temperature	to <sub>h</sub>	20°C		
Power voltage	Net	400V/50Hz		
Coefficient of degradation for units w/o capacity control**	C <sub>dc</sub>	0,25		

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## Performance Data Sheet according to EU Regulation 2015/1095

### SEPR Declaration Model: LH265E/6HE-28Y

#### Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	113206	69010	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,83	1,77	

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

Rated cooling capacity	P <sub>A</sub>	52,0	16,42	kW
Rated power input	D <sub>A</sub>	25,0	12,29	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,08</b>	<b>1,34</b>	

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

Declared cooling capacity	P <sub>B</sub>	57,5	18,71	kW
Declared power input	D <sub>B</sub>	23,7	12,11	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,42</b>	<b>1,54</b>	

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

Declared cooling capacity	P <sub>C</sub>	65,3	22,0	kW
Declared power input	D <sub>C</sub>	21,6	11,73	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,02</b>	<b>1,87</b>	

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

Declared cooling capacity	P <sub>D</sub>	73,0	25,2	kW
Declared power input	D <sub>D</sub>	19,15	11,20	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,81</b>	<b>2,25</b>	

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

Declared cooling capacity	P <sub>E</sub>	43,4	12,83	kW
Declared power input	D <sub>E</sub>	26,5	12,43	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,63</b>	<b>1,03</b>	

#### Other items

Capacity control		—		
Reference temperature		Dew point temp.		
Suction gas temperature	to <sub>h</sub>	20°C		
Power voltage	Net	400V/50Hz		
Coefficient of degradation for units w/o capacity control**	C <sub>dc</sub>	0,25		

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## Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH265E/6HE-28Y

Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	113003	68964	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,82	1,77	

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

Rated cooling capacity	P <sub>A</sub>	51,8	16,41	kW
Rated power input	D <sub>A</sub>	25,0	12,29	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,08</b>	<b>1,34</b>	

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

Declared cooling capacity	P <sub>B</sub>	57,3	18,70	kW
Declared power input	D <sub>B</sub>	23,7	12,11	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,42</b>	<b>1,54</b>	

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

Declared cooling capacity	P <sub>C</sub>	65,0	21,9	kW
Declared power input	D <sub>C</sub>	21,6	11,73	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,01</b>	<b>1,87</b>	

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

Declared cooling capacity	P <sub>D</sub>	72,8	25,2	kW
Declared power input	D <sub>D</sub>	19,14	11,21	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,80</b>	<b>2,25</b>	

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

Declared cooling capacity	P <sub>E</sub>	43,1	12,82	kW
Declared power input	D <sub>E</sub>	26,5	12,43	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,62</b>	<b>1,03</b>	

### 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: LH265E/6HE-28Y

#### Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	57275		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,42		

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

Rated cooling capacity	P <sub>A</sub>	31,9		kW
Rated power input	D <sub>A</sub>	12,87		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,48</b>		

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

Declared cooling capacity	P <sub>B</sub>	34,9		kW
Declared power input	D <sub>B</sub>	12,13		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,88</b>		

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

Declared cooling capacity	P <sub>C</sub>	39,2		kW
Declared power input	D <sub>C</sub>	10,85		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,62</b>		

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

Declared cooling capacity	P <sub>D</sub>	43,5		kW
Declared power input	D <sub>D</sub>	9,31		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,67</b>		

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

Declared cooling capacity	P <sub>E</sub>	27,0		kW
Declared power input	D <sub>E</sub>	13,75		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,97</b>		

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

\*\* Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.



## Performance Data Sheet according to EU Regulation 2015/1095

### SEPR Declaration Model: LH265E/6HE-28Y

#### Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	68335		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,41		

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

Rated cooling capacity	P <sub>A</sub>	37,9		kW
Rated power input	D <sub>A</sub>	15,32		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,48</b>		

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

Declared cooling capacity	P <sub>B</sub>	41,7		kW
Declared power input	D <sub>B</sub>	14,49		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,88</b>		

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

Declared cooling capacity	P <sub>C</sub>	47,1		kW
Declared power input	D <sub>C</sub>	13,02		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,62</b>		

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

Declared cooling capacity	P <sub>D</sub>	52,4		kW
Declared power input	D <sub>D</sub>	11,24		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,66</b>		

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

Declared cooling capacity	P <sub>E</sub>	31,9		kW
Declared power input	D <sub>E</sub>	16,29		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,96</b>		

#### 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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