



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

### SEPR Declaration Model: LH265E/4GE-30Y

#### Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	51801		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,45		

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

Rated cooling capacity	P <sub>A</sub>	29,1		kW
Rated power input	D <sub>A</sub>	11,44		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,54</b>		

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

Declared cooling capacity	P <sub>B</sub>	31,6		kW
Declared power input	D <sub>B</sub>	10,79		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,93</b>		

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

Declared cooling capacity	P <sub>C</sub>	35,2		kW
Declared power input	D <sub>C</sub>	9,66		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,65</b>		

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

Declared cooling capacity	P <sub>D</sub>	38,7		kW
Declared power input	D <sub>D</sub>	8,31		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>	24,9		kW
Declared power input	D <sub>E</sub>	12,24		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,03</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		

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-30Y

#### Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	90179	62128	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,08	1,89	

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

Rated cooling capacity	P <sub>A</sub>	45,2	15,73	kW
Rated power input	D <sub>A</sub>	20,3	11,21	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,22</b>	<b>1,40</b>	

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

Declared cooling capacity	P <sub>B</sub>	50,5	17,88	kW
Declared power input	D <sub>B</sub>	19,32	11,02	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,62</b>	<b>1,62</b>	

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

Declared cooling capacity	P <sub>C</sub>	58,0	20,9	kW
Declared power input	D <sub>C</sub>	17,60	10,56	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,30</b>	<b>1,98</b>	

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

Declared cooling capacity	P <sub>D</sub>	65,4	23,8	kW
Declared power input	D <sub>D</sub>	15,54	9,89	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,21</b>	<b>2,41</b>	

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

Declared cooling capacity	P <sub>E</sub>	36,7	12,38	kW
Declared power input	D <sub>E</sub>	21,6	11,29	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,70</b>	<b>1,10</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/4GE-30Y

#### 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	79140	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,12	

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

Rated cooling capacity	P <sub>A</sub>	40,1	kW
Rated power input	D <sub>A</sub>	17,67	kW
Rated COP	COP <sub>A</sub>	2,27	

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

Declared cooling capacity	P <sub>B</sub>	44,5	kW
Declared power input	D <sub>B</sub>	16,78	kW
Declared COP	COP <sub>B</sub>	2,65	

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

Declared cooling capacity	P <sub>C</sub>	50,9	kW
Declared power input	D <sub>C</sub>	15,28	kW
Declared COP	COP <sub>C</sub>	3,33	

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

Declared cooling capacity	P <sub>D</sub>	57,3	kW
Declared power input	D <sub>D</sub>	13,51	kW
Declared COP	COP <sub>D</sub>	4,24	

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

Declared cooling capacity	P <sub>E</sub>	33,4	kW
Declared power input	D <sub>E</sub>	18,79	kW
Declared COP	COP <sub>E</sub>	1,78	

#### 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/4GE-30Y

#### Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	78222		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,12		

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

Rated cooling capacity	P <sub>A</sub>	39,8		kW
Rated power input	D <sub>A</sub>	17,39		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,29</b>		

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

Declared cooling capacity	P <sub>B</sub>	43,8		kW
Declared power input	D <sub>B</sub>	16,45		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,66</b>		

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

Declared cooling capacity	P <sub>C</sub>	49,4		kW
Declared power input	D <sub>C</sub>	14,85		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,33</b>		

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

Declared cooling capacity	P <sub>D</sub>	54,9		kW
Declared power input	D <sub>D</sub>	12,99		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,23</b>		

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

Declared cooling capacity	P <sub>E</sub>	33,5		kW
Declared power input	D <sub>E</sub>	18,59		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,80</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/4GE-30Y

#### Refrigerant: R407F

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Item	Symbol*	Value	Unit
Evaporating temperature	t	-10	°C
Annual electricity consumption	Q	85263	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,11	

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

Rated cooling capacity	P <sub>A</sub>	43,1	kW
Rated power input	D <sub>A</sub>	19,11	kW
Rated COP	COP <sub>A</sub>	2,25	

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

Declared cooling capacity	P <sub>B</sub>	47,7	kW
Declared power input	D <sub>B</sub>	18,06	kW
Declared COP	COP <sub>B</sub>	2,64	

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

Declared cooling capacity	P <sub>C</sub>	54,1	kW
Declared power input	D <sub>C</sub>	16,33	kW
Declared COP	COP <sub>C</sub>	3,31	

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

Declared cooling capacity	P <sub>D</sub>	60,4	kW
Declared power input	D <sub>D</sub>	14,30	kW
Declared COP	COP <sub>D</sub>	4,23	

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

Declared cooling capacity	P <sub>E</sub>	35,9	kW
Declared power input	D <sub>E</sub>	20,5	kW
Declared COP	COP <sub>E</sub>	1,75	

#### 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/4GE-30Y

#### Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	90333	62167	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,15	1,97	

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

Rated cooling capacity	P <sub>A</sub>	46,2	16,45	kW
Rated power input	D <sub>A</sub>	20,3	11,22	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,27</b>	<b>1,47</b>	

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

Declared cooling capacity	P <sub>B</sub>	51,7	18,70	kW
Declared power input	D <sub>B</sub>	19,36	11,03	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,67</b>	<b>1,70</b>	

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

Declared cooling capacity	P <sub>C</sub>	59,6	21,9	kW
Declared power input	D <sub>C</sub>	17,67	10,57	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,37</b>	<b>2,07</b>	

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

Declared cooling capacity	P <sub>D</sub>	67,2	25,0	kW
Declared power input	D <sub>D</sub>	15,64	9,91	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,30</b>	<b>2,52</b>	

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

Declared cooling capacity	P <sub>E</sub>	37,4	12,95	kW
Declared power input	D <sub>E</sub>	21,6	11,29	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,73</b>	<b>1,15</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/4GE-30Y

#### Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	82820	55363	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,13	1,71	

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

Rated cooling capacity	P <sub>A</sub>	42,1	12,72	kW
Rated power input	D <sub>A</sub>	18,59	9,89	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,27</b>	<b>1,29</b>	

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

Declared cooling capacity	P <sub>B</sub>	46,6	14,47	kW
Declared power input	D <sub>B</sub>	17,57	9,71	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,65</b>	<b>1,49</b>	

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

Declared cooling capacity	P <sub>C</sub>	52,9	16,91	kW
Declared power input	D <sub>C</sub>	15,87	9,35	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,34</b>	<b>1,81</b>	

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

Declared cooling capacity	P <sub>D</sub>	59,0	19,24	kW
Declared power input	D <sub>D</sub>	13,87	8,90	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,25</b>	<b>2,16</b>	

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

Declared cooling capacity	P <sub>E</sub>	35,0	9,99	kW
Declared power input	D <sub>E</sub>	19,96	10,07	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,75</b>	<b>0,99</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/4GE-30Y

#### Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	82677	55323	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,12	1,71	

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

Rated cooling capacity	P <sub>A</sub>	41,9	12,71	kW
Rated power input	D <sub>A</sub>	18,59	9,89	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,26</b>	<b>1,28</b>	

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

Declared cooling capacity	P <sub>B</sub>	46,4	14,46	kW
Declared power input	D <sub>B</sub>	17,56	9,71	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,64</b>	<b>1,49</b>	

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

Declared cooling capacity	P <sub>C</sub>	52,7	16,91	kW
Declared power input	D <sub>C</sub>	15,86	9,35	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,33</b>	<b>1,81</b>	

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

Declared cooling capacity	P <sub>D</sub>	58,8	19,26	kW
Declared power input	D <sub>D</sub>	13,86	8,90	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,24</b>	<b>2,16</b>	

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

Declared cooling capacity	P <sub>E</sub>	34,8	9,98	kW
Declared power input	D <sub>E</sub>	19,95	10,07	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,74</b>	<b>0,99</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	

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### SEPR Declaration Model: LH265E/4GE-30Y

#### Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	46071		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>	25,5		kW
Rated power input	D <sub>A</sub>	10,28		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>	27,8		kW
Declared power input	D <sub>B</sub>	9,66		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>	31,0		kW
Declared power input	D <sub>C</sub>	8,60		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,61</b>		

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

Declared cooling capacity	P <sub>D</sub>	34,0		kW
Declared power input	D <sub>D</sub>	7,38		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,61</b>		

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

Declared cooling capacity	P <sub>E</sub>	21,8		kW
Declared power input	D <sub>E</sub>	11,03		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,98</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/4GE-30Y

#### Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	54365		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,47		

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

Rated cooling capacity	P <sub>A</sub>	30,7		kW
Rated power input	D <sub>A</sub>	12,08		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,54</b>		

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

Declared cooling capacity	P <sub>B</sub>	33,6		kW
Declared power input	D <sub>B</sub>	11,40		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,94</b>		

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

Declared cooling capacity	P <sub>C</sub>	37,6		kW
Declared power input	D <sub>C</sub>	10,23		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,67</b>		

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

Declared cooling capacity	P <sub>D</sub>	41,5		kW
Declared power input	D <sub>D</sub>	8,83		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,70</b>		

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

Declared cooling capacity	P <sub>E</sub>	26,0		kW
Declared power input	D <sub>E</sub>	12,90		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,01</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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