



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

SEPR Declaration Model: LH135E/4NES-14Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	31417		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,64		

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

Rated cooling capacity	P <sub>A</sub>	18,58		kW
Rated power input	D <sub>A</sub>	6,92		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,69</b>		

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

Declared cooling capacity	P <sub>B</sub>	20,5		kW
Declared power input	D <sub>B</sub>	6,58		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>3,11</b>		

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

Declared cooling capacity	P <sub>C</sub>	23,0		kW
Declared power input	D <sub>C</sub>	5,95		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,87</b>		

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

Declared cooling capacity	P <sub>D</sub>	25,3		kW
Declared power input	D <sub>D</sub>	5,17		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,89</b>		

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

Declared cooling capacity	P <sub>E</sub>	15,54		kW
Declared power input	D <sub>E</sub>	7,30		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,13</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: LH135E/4NES-14Y

Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	57927	36535	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,14	2,00	

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

Rated cooling capacity	P <sub>A</sub>	29,5	9,78	kW
Rated power input	D <sub>A</sub>	13,20	6,72	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,24</b>	<b>1,46</b>	

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

Declared cooling capacity	P <sub>B</sub>	33,1	11,25	kW
Declared power input	D <sub>B</sub>	12,54	6,67	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,64</b>	<b>1,69</b>	

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

Declared cooling capacity	P <sub>C</sub>	38,1	13,32	kW
Declared power input	D <sub>C</sub>	11,36	6,39	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,35</b>	<b>2,09</b>	

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

Declared cooling capacity	P <sub>D</sub>	42,8	15,32	kW
Declared power input	D <sub>D</sub>	9,92	5,89	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,32</b>	<b>2,60</b>	

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

Declared cooling capacity	P <sub>E</sub>	23,8	7,46	kW
Declared power input	D <sub>E</sub>	13,94	6,56	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,71</b>	<b>1,14</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: LH135E/4NES-14Y

Refrigerant: R407A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	51577	29928	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,16	1,78	

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

Rated cooling capacity	P <sub>A</sub>	26,5	7,15	kW
Rated power input	D <sub>A</sub>	11,59	5,30	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,29</b>	<b>1,35</b>	

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

Declared cooling capacity	P <sub>B</sub>	29,5	8,34	kW
Declared power input	D <sub>B</sub>	10,99	5,35	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,68</b>	<b>1,56</b>	

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

Declared cooling capacity	P <sub>C</sub>	33,7	10,05	kW
Declared power input	D <sub>C</sub>	9,97	5,31	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,38</b>	<b>1,89</b>	

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

Declared cooling capacity	P <sub>D</sub>	37,8	11,71	kW
Declared power input	D <sub>D</sub>	8,76	5,13	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,32</b>	<b>2,28</b>	

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

Declared cooling capacity	P <sub>E</sub>	22,0	--	kW
Declared power input	D <sub>E</sub>	12,31	--	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,78</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: LH135E/4NES-14Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	48592		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,22		

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

Rated cooling capacity	P <sub>A</sub>	25,4		kW
Rated power input	D <sub>A</sub>	10,94		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,33</b>		

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

Declared cooling capacity	P <sub>B</sub>	28,2		kW
Declared power input	D <sub>B</sub>	10,38		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,72</b>		

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

Declared cooling capacity	P <sub>C</sub>	32,1		kW
Declared power input	D <sub>C</sub>	9,36		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,42</b>		

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

Declared cooling capacity	P <sub>D</sub>	35,7		kW
Declared power input	D <sub>D</sub>	8,10		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,41</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>	<b>--</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: LH135E/4NES-14Y

Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	54140	30457	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,16	1,83	

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

Rated cooling capacity	P <sub>A</sub>	27,8	7,48	kW
Rated power input	D <sub>A</sub>	12,27	5,43	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,27</b>	<b>1,38</b>	

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

Declared cooling capacity	P <sub>B</sub>	30,9	8,83	kW
Declared power input	D <sub>B</sub>	11,62	5,52	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,66</b>	<b>1,60</b>	

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

Declared cooling capacity	P <sub>C</sub>	35,3	10,75	kW
Declared power input	D <sub>C</sub>	10,48	5,52	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,36</b>	<b>1,95</b>	

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

Declared cooling capacity	P <sub>D</sub>	39,7	12,68	kW
Declared power input	D <sub>D</sub>	9,14	5,36	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,34</b>	<b>2,37</b>	

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

Declared cooling capacity	P <sub>E</sub>	23,1	--	kW
Declared power input	D <sub>E</sub>	13,04	--	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,77</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: LH135E/4NES-14Y

Refrigerant: R454C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	47191	28029	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,10	1,72	

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

Rated cooling capacity	P <sub>A</sub>	23,8	6,45	kW
Rated power input	D <sub>A</sub>	10,43	4,95	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,28</b>	<b>1,30</b>	

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

Declared cooling capacity	P <sub>B</sub>	26,5	7,48	kW
Declared power input	D <sub>B</sub>	9,98	4,95	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,66</b>	<b>1,51</b>	

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

Declared cooling capacity	P <sub>C</sub>	30,4	9,01	kW
Declared power input	D <sub>C</sub>	9,15	4,89	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,32</b>	<b>1,84</b>	

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

Declared cooling capacity	P <sub>D</sub>	34,2	10,39	kW
Declared power input	D <sub>D</sub>	8,15	4,81	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,20</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>	19,47	4,89	kW
Declared power input	D <sub>E</sub>	10,90	4,88	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,79</b>	<b>1,00</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: LH135E/4NES-14Y

Refrigerant: R455A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	52172	28894	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,71	1,58	

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

Rated cooling capacity	P <sub>A</sub>	23,0	6,13	kW
Rated power input	D <sub>A</sub>	11,42	5,23	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,02</b>	<b>1,17</b>	

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

Declared cooling capacity	P <sub>B</sub>	26,0	7,23	kW
Declared power input	D <sub>B</sub>	11,05	5,27	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,35</b>	<b>1,37</b>	

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

Declared cooling capacity	P <sub>C</sub>	30,1	8,84	kW
Declared power input	D <sub>C</sub>	10,29	5,23	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>2,92</b>	<b>1,69</b>	

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

Declared cooling capacity	P <sub>D</sub>	34,2	10,51	kW
Declared power input	D <sub>D</sub>	9,32	5,13	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,67</b>	<b>2,05</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: LH135E/4NES-14Y

Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	58095	36599	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,20	2,09	

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

Rated cooling capacity	P <sub>A</sub>	30,2	10,24	kW
Rated power input	D <sub>A</sub>	13,22	6,72	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,29</b>	<b>1,52</b>	

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

Declared cooling capacity	P <sub>B</sub>	33,9	11,78	kW
Declared power input	D <sub>B</sub>	12,58	6,67	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,70</b>	<b>1,77</b>	

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

Declared cooling capacity	P <sub>C</sub>	39,1	13,95	kW
Declared power input	D <sub>C</sub>	11,41	6,40	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,42</b>	<b>2,18</b>	

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

Declared cooling capacity	P <sub>D</sub>	44,0	16,05	kW
Declared power input	D <sub>D</sub>	9,99	5,90	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,41</b>	<b>2,72</b>	

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

Declared cooling capacity	P <sub>E</sub>	24,3	7,82	kW
Declared power input	D <sub>E</sub>	13,95	6,56	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,74</b>	<b>1,19</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: LH135E/4NES-14Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	52833	31904	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,19	1,83	

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

Rated cooling capacity	P <sub>A</sub>	27,4	7,84	kW
Rated power input	D <sub>A</sub>	11,94	5,44	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,30</b>	<b>1,44</b>	

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

Declared cooling capacity	P <sub>B</sub>	30,5	9,07	kW
Declared power input	D <sub>B</sub>	11,31	5,54	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,70</b>	<b>1,64</b>	

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

Declared cooling capacity	P <sub>C</sub>	34,7	10,76	kW
Declared power input	D <sub>C</sub>	10,20	5,54	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,40</b>	<b>1,94</b>	

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

Declared cooling capacity	P <sub>D</sub>	38,7	12,37	kW
Declared power input	D <sub>D</sub>	8,87	5,37	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,36</b>	<b>2,30</b>	

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

Declared cooling capacity	P <sub>E</sub>	22,5	5,89	kW
Declared power input	D <sub>E</sub>	12,70	5,10	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,77</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		

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

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

### SEPR Declaration Model: LH135E/4NES-14Y

#### Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	52763	31888	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,18	1,83	

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

Rated cooling capacity	P <sub>A</sub>	27,3	7,84	kW
Rated power input	D <sub>A</sub>	11,94	5,44	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,29</b>	<b>1,44</b>	

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

Declared cooling capacity	P <sub>B</sub>	30,3	9,07	kW
Declared power input	D <sub>B</sub>	11,30	5,54	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,69</b>	<b>1,64</b>	

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

Declared cooling capacity	P <sub>C</sub>	34,6	10,77	kW
Declared power input	D <sub>C</sub>	10,19	5,54	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,39</b>	<b>1,94</b>	

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

Declared cooling capacity	P <sub>D</sub>	38,6	12,38	kW
Declared power input	D <sub>D</sub>	8,87	5,37	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,35</b>	<b>2,30</b>	

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

Declared cooling capacity	P <sub>E</sub>	22,4	5,89	kW
Declared power input	D <sub>E</sub>	12,70	5,10	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,76</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: LH135E/4NES-14Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	27884		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,60		

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

Rated cooling capacity	P <sub>A</sub>	16,33		kW
Rated power input	D <sub>A</sub>	6,19		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,64</b>		

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

Declared cooling capacity	P <sub>B</sub>	18,02		kW
Declared power input	D <sub>B</sub>	5,87		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>3,07</b>		

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

Declared cooling capacity	P <sub>C</sub>	20,3		kW
Declared power input	D <sub>C</sub>	5,29		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,83</b>		

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

Declared cooling capacity	P <sub>D</sub>	22,3		kW
Declared power input	D <sub>D</sub>	4,58		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,86</b>		

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

Declared cooling capacity	P <sub>E</sub>	13,60		kW
Declared power input	D <sub>E</sub>	6,53		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,08</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: LH135E/4NES-14Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	33175		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,64		

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

Rated cooling capacity	P <sub>A</sub>	19,63		kW
Rated power input	D <sub>A</sub>	7,32		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,68</b>		

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

Declared cooling capacity	P <sub>B</sub>	21,7		kW
Declared power input	D <sub>B</sub>	6,96		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>3,12</b>		

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

Declared cooling capacity	P <sub>C</sub>	24,5		kW
Declared power input	D <sub>C</sub>	6,32		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,88</b>		

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

Declared cooling capacity	P <sub>D</sub>	27,1		kW
Declared power input	D <sub>D</sub>	5,52		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,90</b>		

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

Declared cooling capacity	P <sub>E</sub>	16,29		kW
Declared power input	D <sub>E</sub>	7,71		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,11</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: LH135E/4NES-14Y

Refrigerant: R1234yf

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	32268		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,61		

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

Rated cooling capacity	P <sub>A</sub>	18,94		kW
Rated power input	D <sub>A</sub>	7,20		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,63</b>		

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

Declared cooling capacity	P <sub>B</sub>	21,0		kW
Declared power input	D <sub>B</sub>	6,82		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>3,08</b>		

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

Declared cooling capacity	P <sub>C</sub>	23,8		kW
Declared power input	D <sub>C</sub>	6,18		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,85</b>		

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

Declared cooling capacity	P <sub>D</sub>	26,4		kW
Declared power input	D <sub>D</sub>	5,40		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,88</b>		

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

Declared cooling capacity	P <sub>E</sub>	15,70		kW
Declared power input	D <sub>E</sub>	7,64		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,05</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: LH135E/4NES-14Y

Refrigerant: R1234ze

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	24870		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,52		

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

Rated cooling capacity	P <sub>A</sub>	14,25		kW
Rated power input	D <sub>A</sub>	5,36		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,66</b>		

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

Declared cooling capacity	P <sub>B</sub>	15,58		kW
Declared power input	D <sub>B</sub>	5,06		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>3,08</b>		

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

Declared cooling capacity	P <sub>C</sub>	17,29		kW
Declared power input	D <sub>C</sub>	4,53		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,81</b>		

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

Declared cooling capacity	P <sub>D</sub>	18,44		kW
Declared power input	D <sub>D</sub>	4,04		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,56</b>		

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

Declared cooling capacity	P <sub>E</sub>	12,00		kW
Declared power input	D <sub>E</sub>	5,68		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,11</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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