



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

### SEPR Declaration Model: LH135E/4NES-20Y

#### Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	32153		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,51		

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

Rated cooling capacity	P <sub>A</sub>	18,38		kW
Rated power input	D <sub>A</sub>	7,02		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,62</b>		

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

Declared cooling capacity	P <sub>B</sub>	20,2		kW
Declared power input	D <sub>B</sub>	6,66		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>3,03</b>		

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

Declared cooling capacity	P <sub>C</sub>	22,8		kW
Declared power input	D <sub>C</sub>	6,07		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,76</b>		

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

Declared cooling capacity	P <sub>D</sub>	25,5		kW
Declared power input	D <sub>D</sub>	5,43		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,69</b>		

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

Declared cooling capacity	P <sub>E</sub>	15,58		kW
Declared power input	D <sub>E</sub>	7,46		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,09</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-20Y

#### Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	57260	37063	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,18	1,97	

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

Rated cooling capacity	P <sub>A</sub>	29,6	9,80	kW
Rated power input	D <sub>A</sub>	12,92	6,68	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,29</b>	<b>1,47</b>	

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

Declared cooling capacity	P <sub>B</sub>	33,2	11,28	kW
Declared power input	D <sub>B</sub>	12,25	6,59	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,71</b>	<b>1,71</b>	

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

Declared cooling capacity	P <sub>C</sub>	38,3	13,49	kW
Declared power input	D <sub>C</sub>	11,19	6,44	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,42</b>	<b>2,09</b>	

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

Declared cooling capacity	P <sub>D</sub>	43,4	15,74	kW
Declared power input	D <sub>D</sub>	10,02	6,25	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,33</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>	24,1	7,59	kW
Declared power input	D <sub>E</sub>	13,86	6,79	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,74</b>	<b>1,12</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-20Y

Refrigerant: R407A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	50691	30112	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,22	1,76	

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

Rated cooling capacity	P <sub>A</sub>	26,5	7,10	kW
Rated power input	D <sub>A</sub>	11,29	5,32	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,35</b>	<b>1,33</b>	

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

Declared cooling capacity	P <sub>B</sub>	29,5	8,29	kW
Declared power input	D <sub>B</sub>	10,74	5,39	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,74</b>	<b>1,54</b>	

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

Declared cooling capacity	P <sub>C</sub>	33,7	10,02	kW
Declared power input	D <sub>C</sub>	9,79	5,35	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,44</b>	<b>1,87</b>	

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

Declared cooling capacity	P <sub>D</sub>	37,8	11,67	kW
Declared power input	D <sub>D</sub>	8,65	5,18	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,37</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>	21,9	--	kW
Declared power input	D <sub>E</sub>	11,94	--	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,84</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-20Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	47909		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,26		

### 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>	10,69		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,38</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>	10,17		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,77</b>		

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

Declared cooling capacity	P <sub>C</sub>	32,0		kW
Declared power input	D <sub>C</sub>	9,22		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,47</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>	8,03		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,44</b>		

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

Declared cooling capacity	P <sub>E</sub>	21,0		kW
Declared power input	D <sub>E</sub>	11,23		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,87</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: LH135E/4NES-20Y

#### Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	53111	30621	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,22	1,81	

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

Rated cooling capacity	P <sub>A</sub>	27,8	7,44	kW
Rated power input	D <sub>A</sub>	11,92	5,46	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,33</b>	<b>1,36</b>	

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

Declared cooling capacity	P <sub>B</sub>	30,8	8,79	kW
Declared power input	D <sub>B</sub>	11,32	5,56	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,72</b>	<b>1,58</b>	

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

Declared cooling capacity	P <sub>C</sub>	35,2	10,72	kW
Declared power input	D <sub>C</sub>	10,27	5,55	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,43</b>	<b>1,93</b>	

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

Declared cooling capacity	P <sub>D</sub>	39,6	12,65	kW
Declared power input	D <sub>D</sub>	9,02	5,40	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,40</b>	<b>2,34</b>	

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

Declared cooling capacity	P <sub>E</sub>	23,0	--	kW
Declared power input	D <sub>E</sub>	12,63	--	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,82</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-20Y

Refrigerant: R454C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	47377	28738	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,06	1,64	

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

Rated cooling capacity	P <sub>A</sub>	23,6	6,33	kW
Rated power input	D <sub>A</sub>	10,23	4,93	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,30</b>	<b>1,28</b>	

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

Declared cooling capacity	P <sub>B</sub>	26,2	7,20	kW
Declared power input	D <sub>B</sub>	9,86	4,96	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,65</b>	<b>1,45</b>	

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

Declared cooling capacity	P <sub>C</sub>	30,0	8,50	kW
Declared power input	D <sub>C</sub>	9,19	4,93	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,27</b>	<b>1,72</b>	

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

Declared cooling capacity	P <sub>D</sub>	34,2	9,90	kW
Declared power input	D <sub>D</sub>	8,30	4,75	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,12</b>	<b>2,08</b>	

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

Declared cooling capacity	P <sub>E</sub>	19,35	4,93	kW
Declared power input	D <sub>E</sub>	10,69	4,91	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,81</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-20Y

#### Refrigerant: R455A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	52028	29983	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,71	1,52	

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

Rated cooling capacity	P <sub>A</sub>	22,9	6,13	kW
Rated power input	D <sub>A</sub>	11,18	5,21	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,05</b>	<b>1,18</b>	

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

Declared cooling capacity	P <sub>B</sub>	25,7	7,11	kW
Declared power input	D <sub>B</sub>	10,82	5,22	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,38</b>	<b>1,36</b>	

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

Declared cooling capacity	P <sub>C</sub>	29,8	8,48	kW
Declared power input	D <sub>C</sub>	10,19	5,24	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>2,92</b>	<b>1,62</b>	

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

Declared cooling capacity	P <sub>D</sub>	33,9	9,96	kW
Declared power input	D <sub>D</sub>	9,38	5,16	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>3,62</b>	<b>1,93</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-20Y

Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	57396	37090	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,25	2,06	

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

Rated cooling capacity	P <sub>A</sub>	30,3	10,27	kW
Rated power input	D <sub>A</sub>	12,95	6,68	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,34</b>	<b>1,54</b>	

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

Declared cooling capacity	P <sub>B</sub>	34,0	11,82	kW
Declared power input	D <sub>B</sub>	12,28	6,59	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,77</b>	<b>1,79</b>	

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

Declared cooling capacity	P <sub>C</sub>	39,3	14,12	kW
Declared power input	D <sub>C</sub>	11,23	6,44	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,49</b>	<b>2,19</b>	

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

Declared cooling capacity	P <sub>D</sub>	44,6	16,49	kW
Declared power input	D <sub>D</sub>	10,08	6,26	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,42</b>	<b>2,63</b>	

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

Declared cooling capacity	P <sub>E</sub>	24,5	7,95	kW
Declared power input	D <sub>E</sub>	13,88	6,79	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,77</b>	<b>1,17</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-20Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	51732	31901	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,27	1,84	

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

Rated cooling capacity	P <sub>A</sub>	27,5	7,88	kW
Rated power input	D <sub>A</sub>	11,61	5,47	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,37</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>	11,02	5,57	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,77</b>	<b>1,63</b>	

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

Declared cooling capacity	P <sub>C</sub>	34,9	10,85	kW
Declared power input	D <sub>C</sub>	10,00	5,57	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,49</b>	<b>1,95</b>	

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

Declared cooling capacity	P <sub>D</sub>	39,2	12,67	kW
Declared power input	D <sub>D</sub>	8,78	5,42	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,47</b>	<b>2,34</b>	

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

Declared cooling capacity	P <sub>E</sub>	22,8	6,10	kW
Declared power input	D <sub>E</sub>	12,30	5,13	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,86</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	

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: LH135E/4NES-20Y

Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	51663	31881	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,26	1,84	

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

Rated cooling capacity	P <sub>A</sub>	27,4	7,87	kW
Rated power input	D <sub>A</sub>	11,61	5,47	kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,36</b>	<b>1,44</b>	

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

Declared cooling capacity	P <sub>B</sub>	30,4	9,07	kW
Declared power input	D <sub>B</sub>	11,02	5,57	kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,76</b>	<b>1,63</b>	

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

Declared cooling capacity	P <sub>C</sub>	34,7	10,85	kW
Declared power input	D <sub>C</sub>	10,00	5,57	kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,47</b>	<b>1,95</b>	

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

Declared cooling capacity	P <sub>D</sub>	39,1	12,68	kW
Declared power input	D <sub>D</sub>	8,78	5,42	kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,45</b>	<b>2,34</b>	

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

Declared cooling capacity	P <sub>E</sub>	22,7	6,10	kW
Declared power input	D <sub>E</sub>	12,30	5,13	kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>1,85</b>	<b>1,19</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-20Y

#### Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	29083		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>	16,14		kW
Rated power input	D <sub>A</sub>	6,27		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,58</b>		

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

Declared cooling capacity	P <sub>B</sub>	17,77		kW
Declared power input	D <sub>B</sub>	5,96		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,98</b>		

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

Declared cooling capacity	P <sub>C</sub>	20,1		kW
Declared power input	D <sub>C</sub>	5,48		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>	22,4		kW
Declared power input	D <sub>D</sub>	4,98		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,51</b>		

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

Declared cooling capacity	P <sub>E</sub>	13,63		kW
Declared power input	D <sub>E</sub>	6,66		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-20Y

#### Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	33920		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>	19,41		kW
Rated power input	D <sub>A</sub>	7,42		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,61</b>		

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

Declared cooling capacity	P <sub>B</sub>	21,4		kW
Declared power input	D <sub>B</sub>	7,05		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>3,04</b>		

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

Declared cooling capacity	P <sub>C</sub>	24,3		kW
Declared power input	D <sub>C</sub>	6,44		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,77</b>		

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

Declared cooling capacity	P <sub>D</sub>	27,2		kW
Declared power input	D <sub>D</sub>	5,77		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>	16,29		kW
Declared power input	D <sub>E</sub>	7,88		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,07</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-20Y

Refrigerant: R1234yf

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	32885		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,50		

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

Rated cooling capacity	P <sub>A</sub>	18,71		kW
Rated power input	D <sub>A</sub>	7,30		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,56</b>		

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

Declared cooling capacity	P <sub>B</sub>	20,7		kW
Declared power input	D <sub>B</sub>	6,91		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>3,00</b>		

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

Declared cooling capacity	P <sub>C</sub>	23,6		kW
Declared power input	D <sub>C</sub>	6,28		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,75</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>	5,60		kW
<b>Declared COP</b>	<b>COP<sub>D</sub></b>	<b>4,71</b>		

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

Declared cooling capacity	P <sub>E</sub>	15,66		kW
Declared power input	D <sub>E</sub>	7,80		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		

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

SEPR Declaration Model: LH135E/4NES-20Y

Refrigerant: R1234ze

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	26103		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,32		

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

Rated cooling capacity	P <sub>A</sub>	14,09		kW
Rated power input	D <sub>A</sub>	5,44		kW
<b>Rated COP</b>	<b>COP<sub>A</sub></b>	<b>2,59</b>		

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

Declared cooling capacity	P <sub>B</sub>	15,51		kW
Declared power input	D <sub>B</sub>	5,20		kW
<b>Declared COP</b>	<b>COP<sub>B</sub></b>	<b>2,98</b>		

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

Declared cooling capacity	P <sub>C</sub>	17,56		kW
Declared power input	D <sub>C</sub>	4,84		kW
<b>Declared COP</b>	<b>COP<sub>C</sub></b>	<b>3,63</b>		

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

Declared cooling capacity	P <sub>D</sub>	19,24		kW
Declared power input	D <sub>D</sub>	4,54		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>	11,92		kW
Declared power input	D <sub>E</sub>	5,77		kW
<b>Declared COP</b>	<b>COP<sub>E</sub></b>	<b>2,07</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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