



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH114E/4DES-7Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	17089		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,22		

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

Rated cooling capacity	P _A	8,96		kW
Rated power input	D _A	3,74		kW
Rated COP	COP_A	2,39		

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

Declared cooling capacity	P _B	9,80		kW
Declared power input	D _B	3,52		kW
Declared COP	COP_B	2,78		

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

Declared cooling capacity	P _C	11,00		kW
Declared power input	D _C	3,16		kW
Declared COP	COP_C	3,48		

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

Declared cooling capacity	P _D	11,93		kW
Declared power input	D _D	2,82		kW
Declared COP	COP_D	4,23		

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

Declared cooling capacity	P _E	7,61		kW
Declared power input	D _E	4,01		kW
Declared COP	COP_E	1,90		

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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SEPR Declaration Model: LH114E/4DES-7Y

Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	27907	21094	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,25	1,75	

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

Rated cooling capacity	P _A	14,75	4,96	kW
Rated power input	D _A	6,49	3,85	kW
Rated COP	COP_A	2,27	1,29	

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

Declared cooling capacity	P _B	16,40	5,59	kW
Declared power input	D _B	6,09	3,75	kW
Declared COP	COP_B	2,70	1,49	

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

Declared cooling capacity	P _C	18,72	6,48	kW
Declared power input	D _C	5,42	3,55	kW
Declared COP	COP_C	3,45	1,83	

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

Declared cooling capacity	P _D	21,0	7,35	kW
Declared power input	D _D	4,65	3,27	kW
Declared COP	COP_D	4,51	2,24	

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

Declared cooling capacity	P _E	12,10	3,95	kW
Declared power input	D _E	7,00	3,93	kW
Declared COP	COP_E	1,73	1,00	

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: LH114E/4DES-7Y

Refrigerant: R407A

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Item	Symbol*	Value	Unit
Evaporating temperature	t	-10	°C
Annual electricity consumption	Q	25137	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,15	

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

Rated cooling capacity	P _A	12,89	kW
Rated power input	D _A	5,71	kW
Rated COP	COP _A	2,26	

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

Declared cooling capacity	P _B	14,28	kW
Declared power input	D _B	5,39	kW
Declared COP	COP _B	2,65	

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

Declared cooling capacity	P _C	16,28	kW
Declared power input	D _C	4,86	kW
Declared COP	COP _C	3,35	

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

Declared cooling capacity	P _D	18,25	kW
Declared power input	D _D	4,21	kW
Declared COP	COP _D	4,33	

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

Declared cooling capacity	P _E	10,73	kW
Declared power input	D _E	6,09	kW
Declared COP	COP _E	1,76	

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: LH114E/4DES-7Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	23995		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,15		

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

Rated cooling capacity	P _A	12,29		kW
Rated power input	D _A	5,37		kW
Rated COP	COP_A	2,29		

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

Declared cooling capacity	P _B	13,58		kW
Declared power input	D _B	5,09		kW
Declared COP	COP_B	2,67		

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

Declared cooling capacity	P _C	15,38		kW
Declared power input	D _C	4,59		kW
Declared COP	COP_C	3,35		

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

Declared cooling capacity	P _D	17,16		kW
Declared power input	D _D	4,00		kW
Declared COP	COP_D	4,29		

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

Declared cooling capacity	P _E	10,27		kW
Declared power input	D _E	5,69		kW
Declared COP	COP_E	1,80		

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: LH114E/4DES-7Y

Refrigerant: R407F

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Item	Symbol*	Value	Unit
Evaporating temperature	t	-10	°C
Annual electricity consumption	Q	26673	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,14	

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

Rated cooling capacity	P _A	13,62	kW
Rated power input	D _A	6,04	kW
Rated COP	COP_A	2,26	

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

Declared cooling capacity	P _B	15,03	kW
Declared power input	D _B	5,70	kW
Declared COP	COP_B	2,64	

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

Declared cooling capacity	P _C	17,05	kW
Declared power input	D _C	5,11	kW
Declared COP	COP_C	3,33	

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

Declared cooling capacity	P _D	19,04	kW
Declared power input	D _D	4,42	kW
Declared COP	COP_D	4,31	

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

Declared cooling capacity	P _E	11,44	kW
Declared power input	D _E	6,46	kW
Declared COP	COP_E	1,77	

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: LH114E/4DES-7Y

Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	27956	21090	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,33	1,83	

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

Rated cooling capacity	P _A	15,12	5,18	kW
Rated power input	D _A	6,50	3,85	kW
Rated COP	COP_A	2,33	1,35	

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

Declared cooling capacity	P _B	16,84	5,85	kW
Declared power input	D _B	6,10	3,75	kW
Declared COP	COP_B	2,76	1,56	

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

Declared cooling capacity	P _C	19,25	6,78	kW
Declared power input	D _C	5,44	3,55	kW
Declared COP	COP_C	3,54	1,91	

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

Declared cooling capacity	P _D	21,6	7,70	kW
Declared power input	D _D	4,68	3,28	kW
Declared COP	COP_D	4,62	2,35	

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

Declared cooling capacity	P _E	12,36	4,13	kW
Declared power input	D _E	7,01	3,93	kW
Declared COP	COP_E	1,76	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: LH114E/4DES-7Y

Refrigerant: R448A

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	25903	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,16	

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

Rated cooling capacity	P _A	13,33	kW
Rated power input	D _A	5,89	kW
Rated COP	COP_A	2,26	

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

Declared cooling capacity	P _B	14,74	kW
Declared power input	D _B	5,55	kW
Declared COP	COP_B	2,65	

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

Declared cooling capacity	P _C	16,76	kW
Declared power input	D _C	4,98	kW
Declared COP	COP_C	3,36	

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

Declared cooling capacity	P _D	18,74	kW
Declared power input	D _D	4,31	kW
Declared COP	COP_D	4,35	

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

Declared cooling capacity	P _E	11,14	kW
Declared power input	D _E	6,29	kW
Declared COP	COP_E	1,77	

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: LH114E/4DES-7Y

Refrigerant: R449A

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	25866	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,15	

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

Rated cooling capacity	P _A	13,27	kW
Rated power input	D _A	5,88	kW
Rated COP	COP_A	2,26	

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

Declared cooling capacity	P _B	14,68	kW
Declared power input	D _B	5,55	kW
Declared COP	COP_B	2,64	

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

Declared cooling capacity	P _C	16,71	kW
Declared power input	D _C	4,98	kW
Declared COP	COP_C	3,35	

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

Declared cooling capacity	P _D	18,70	kW
Declared power input	D _D	4,31	kW
Declared COP	COP_D	4,34	

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

Declared cooling capacity	P _E	11,08	kW
Declared power input	D _E	6,29	kW
Declared COP	COP_E	1,76	

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: LH114E/4DES-7Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	15653		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,08		

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

Rated cooling capacity	P _A	7,84		kW
Rated power input	D _A	3,39		kW
Rated COP	COP_A	2,31		

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

Declared cooling capacity	P _B	8,59		kW
Declared power input	D _B	3,19		kW
Declared COP	COP_B	2,69		

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

Declared cooling capacity	P _C	9,65		kW
Declared power input	D _C	2,87		kW
Declared COP	COP_C	3,37		

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

Declared cooling capacity	P _D	10,39		kW
Declared power input	D _D	2,62		kW
Declared COP	COP_D	3,97		

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

Declared cooling capacity	P _E	6,64		kW
Declared power input	D _E	3,63		kW
Declared COP	COP_E	1,83		

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: LH114E/4DES-7Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	17704		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,30		

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

Rated cooling capacity	P _A	9,50		kW
Rated power input	D _A	3,93		kW
Rated COP	COP_A	2,41		

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

Declared cooling capacity	P _B	10,44		kW
Declared power input	D _B	3,71		kW
Declared COP	COP_B	2,82		

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

Declared cooling capacity	P _C	11,76		kW
Declared power input	D _C	3,32		kW
Declared COP	COP_C	3,54		

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

Declared cooling capacity	P _D	12,92		kW
Declared power input	D _D	2,93		kW
Declared COP	COP_D	4,41		

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

Declared cooling capacity	P _E	7,99		kW
Declared power input	D _E	4,21		kW
Declared COP	COP_E	1,90		

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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