



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4DE-7.F3Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	24028		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,60		

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

Rated cooling capacity	P _A	14,08		kW
Rated power input	D _A	6,91		kW
Rated COP	COP_A	2,04		

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

Declared cooling capacity	P _B	12,72		kW
Declared power input	D _B	5,01		kW
Declared COP	COP_B	2,54		

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

Declared cooling capacity	P _C	10,59		kW
Declared power input	D _C	3,04		kW
Declared COP	COP_C	3,48		

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

Declared cooling capacity	P _D	8,46		kW
Declared power input	D _D	1,85		kW
Declared COP	COP_D	4,57		

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

Declared cooling capacity	P _E	11,93		kW
Declared power input	D _E	7,22		kW
Declared COP	COP_E	1,65		

Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		

Additional document: [Declaration of Conformity AC-503](#)

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



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SEPR Declaration Model: LHV7E/4DE-7.F3Y

Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	40136	29503	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,30	1,95	

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

Rated cooling capacity	P _A	21,5	7,71	kW
Rated power input	D _A	12,74	6,19	kW
Rated COP	COP_A	1,69	1,25	

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

Declared cooling capacity	P _B	19,50	7,34	kW
Declared power input	D _B	8,51	4,89	kW
Declared COP	COP_B	2,29	1,50	

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

Declared cooling capacity	P _C	16,19	6,76	kW
Declared power input	D _C	5,05	3,57	kW
Declared COP	COP_C	3,21	1,89	

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

Declared cooling capacity	P _D	13,34	6,18	kW
Declared power input	D _D	3,13	2,75	kW
Declared COP	COP_D	4,26	2,25	

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

Declared cooling capacity	P _E	17,39	6,22	kW
Declared power input	D _E	13,33	6,37	kW
Declared COP	COP_E	1,31	0,98	

Other items

Capacity control	stepless		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	

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Refrigerant: R407A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	36912		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,24		

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

Rated cooling capacity	P _A	19,43	Error: -86	kW
Rated power input	D _A	10,88		kW
Rated COP	COP_A	1,79		

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

Declared cooling capacity	P _B	17,57		kW
Declared power input	D _B	7,69		kW
Declared COP	COP_B	2,29		

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

Declared cooling capacity	P _C	14,63		kW
Declared power input	D _C	4,78		kW
Declared COP	COP_C	3,06		

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

Declared cooling capacity	P _D	11,67		kW
Declared power input	D _D	2,77		kW
Declared COP	COP_D	4,21		

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

Declared cooling capacity	P _E	16,16		kW
Declared power input	D _E	11,24		kW
Declared COP	COP_E	1,44		

Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		

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4 / 10

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SEPR Declaration Model: LHV7E/4DE-7.F3Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	35618		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,21		

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

Rated cooling capacity	P _A	18,59		kW
Rated power input	D _A	10,17		kW
Rated COP	COP _A	1,83		

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

Declared cooling capacity	P _B	16,71		kW
Declared power input	D _B	7,24		kW
Declared COP	COP _B	2,31		

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

Declared cooling capacity	P _C	14,06		kW
Declared power input	D _C	4,65		kW
Declared COP	COP _C	3,02		

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

Declared cooling capacity	P _D	11,26		kW
Declared power input	D _D	2,72		kW
Declared COP	COP _D	4,15		

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

Declared cooling capacity	P _E	15,48		kW
Declared power input	D _E	10,41		kW
Declared COP	COP _E	1,49		

Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		

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SEPR Declaration Model: LHV7E/4DE-7.F3Y

Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	39421		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,20		

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

Rated cooling capacity	P _A	20,5	Error: -86	kW
Rated power input	D _A	11,57		kW
Rated COP	COP _A	1,77		

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

Declared cooling capacity	P _B	18,45		kW
Declared power input	D _B	8,15		kW
Declared COP	COP _B	2,26		

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

Declared cooling capacity	P _C	15,62		kW
Declared power input	D _C	5,15		kW
Declared COP	COP _C	3,03		

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

Declared cooling capacity	P _D	12,61		kW
Declared power input	D _D	3,02		kW
Declared COP	COP _D	4,17		

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

Declared cooling capacity	P _E	17,20		kW
Declared power input	D _E	11,96		kW
Declared COP	COP _E	1,44		

Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		

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Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	39728	29524	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,41	2,04	

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

Rated cooling capacity	P _A	22,1	8,07	kW
Rated power input	D _A	12,76	6,21	kW
Rated COP	COP _A	1,73	1,30	

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

Declared cooling capacity	P _B	19,79	7,69	kW
Declared power input	D _B	8,38	4,90	kW
Declared COP	COP _B	2,36	1,57	

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

Declared cooling capacity	P _C	16,70	7,09	kW
Declared power input	D _C	5,05	3,58	kW
Declared COP	COP _C	3,30	1,98	

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

Declared cooling capacity	P _D	13,35	6,48	kW
Declared power input	D _D	3,02	2,75	kW
Declared COP	COP _D	4,42	2,36	

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

Declared cooling capacity	P _E	17,68	6,51	kW
Declared power input	D _E	13,34	6,40	kW
Declared COP	COP _E	1,33	1,02	

Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		

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SEPR Declaration Model: LHV7E/4DE-7.F3Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	37987	23935	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,24	1,82	

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

Rated cooling capacity	P _A	20,0	5,85	kW
Rated power input	D _A	11,29	4,76	kW
Rated COP	COP _A	1,77	1,23	

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

Declared cooling capacity	P _B	18,08	5,60	kW
Declared power input	D _B	7,95	3,89	kW
Declared COP	COP _B	2,28	1,44	

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

Declared cooling capacity	P _C	15,04	5,18	kW
Declared power input	D _C	4,91	2,94	kW
Declared COP	COP _C	3,06	1,76	

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

Declared cooling capacity	P _D	12,02	4,74	kW
Declared power input	D _D	2,84	2,26	kW
Declared COP	COP _D	4,23	2,10	

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

Declared cooling capacity	P _E	16,67	--	kW
Declared power input	D _E	11,68	--	kW
Declared COP	COP _E	1,43	--	

Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		

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8 / 10

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SEPR Declaration Model: LHV7E/4DE-7.F3Y

Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	37916	23901	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,23	1,83	

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

Rated cooling capacity	P _A	19,92	5,85	kW
Rated power input	D _A	11,29	4,76	kW
Rated COP	COP_A	1,76	1,23	

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

Declared cooling capacity	P _B	18,01	5,60	kW
Declared power input	D _B	7,94	3,89	kW
Declared COP	COP_B	2,27	1,44	

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

Declared cooling capacity	P _C	15,00	5,18	kW
Declared power input	D _C	4,91	2,94	kW
Declared COP	COP_C	3,05	1,76	

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

Declared cooling capacity	P _D	11,99	4,75	kW
Declared power input	D _D	2,84	2,26	kW
Declared COP	COP_D	4,22	2,10	

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

Declared cooling capacity	P _E	16,59	--	kW
Declared power input	D _E	11,68	--	kW
Declared COP	COP_E	1,42	--	

Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		

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SEPR Declaration Model: LHV7E/4DE-7.F3Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	21162		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,59		

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

Rated cooling capacity	P _A	12,36		kW
Rated power input	D _A	6,13		kW
Rated COP	COP_A	2,02		

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

Declared cooling capacity	P _B	11,14		kW
Declared power input	D _B	4,41		kW
Declared COP	COP_B	2,53		

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

Declared cooling capacity	P _C	9,28		kW
Declared power input	D _C	2,68		kW
Declared COP	COP_C	3,46		

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

Declared cooling capacity	P _D	7,47		kW
Declared power input	D _D	1,64		kW
Declared COP	COP_D	4,57		

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

Declared cooling capacity	P _E	10,48		kW
Declared power input	D _E	6,49		kW
Declared COP	COP_E	1,61		

Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		

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SEPR Declaration Model: LHV7E/4DE-7.F3Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	25348		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,59		

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

Rated cooling capacity	P _A	14,81		kW
Rated power input	D _A	7,33		kW
Rated COP	COP_A	2,02		

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

Declared cooling capacity	P _B	13,34		kW
Declared power input	D _B	5,28		kW
Declared COP	COP_B	2,53		

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

Declared cooling capacity	P _C	11,12		kW
Declared power input	D _C	3,19		kW
Declared COP	COP_C	3,48		

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

Declared cooling capacity	P _D	9,03		kW
Declared power input	D _D	1,98		kW
Declared COP	COP_D	4,55		

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

Declared cooling capacity	P _E	12,39		kW
Declared power input	D _E	7,63		kW
Declared COP	COP_E	1,62		

Other items

Capacity control		stepless		
Reference temperature		Dew point temp.		
Suction gas temperature	toh	20°C		
Power voltage	Net	400V/50Hz		

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