



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4FE-5.F1Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	15549		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,76		

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

Rated cooling capacity	P _A	9,51		kW
Rated power input	D _A	4,37		kW
Rated COP	COP_A	2,17		

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

Declared cooling capacity	P _B	8,55		kW
Declared power input	D _B	3,13		kW
Declared COP	COP_B	2,73		

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

Declared cooling capacity	P _C	7,25		kW
Declared power input	D _C	1,98		kW
Declared COP	COP_C	3,67		

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

Declared cooling capacity	P _D	5,72		kW
Declared power input	D _D	1,23		kW
Declared COP	COP_D	4,65		

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

Declared cooling capacity	P _E	8,11		kW
Declared power input	D _E	4,86		kW
Declared COP	COP_E	1,67		

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/4FE-5.F1Y

Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	27773	21065	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,57	1,91	

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

Rated cooling capacity	P _A	16,13	5,38	kW
Rated power input	D _A	8,67	4,27	kW
Rated COP	COP_A	1,86	1,26	

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

Declared cooling capacity	P _B	14,59	5,12	kW
Declared power input	D _B	6,01	3,42	kW
Declared COP	COP_B	2,43	1,50	

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

Declared cooling capacity	P _C	12,18	4,74	kW
Declared power input	D _C	3,52	2,54	kW
Declared COP	COP_C	3,46	1,86	

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

Declared cooling capacity	P _D	9,69	4,37	kW
Declared power input	D _D	2,09	2,01	kW
Declared COP	COP_D	4,64	2,17	

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

Declared cooling capacity	P _E	13,01	4,32	kW
Declared power input	D _E	9,13	4,22	kW
Declared COP	COP_E	1,42	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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Refrigerant: R407A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	27196	16443	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,31	1,79	

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

Rated cooling capacity	P _A	14,63	3,95	kW
Rated power input	D _A	7,75	3,16	kW
Rated COP	COP_A	1,89	1,25	

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

Declared cooling capacity	P _B	13,13	3,77	kW
Declared power input	D _B	5,55	2,56	kW
Declared COP	COP_B	2,37	1,47	

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

Declared cooling capacity	P _C	11,00	3,46	kW
Declared power input	D _C	3,54	1,96	kW
Declared COP	COP_C	3,11	1,77	

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

Declared cooling capacity	P _D	8,80	3,21	kW
Declared power input	D _D	2,06	1,62	kW
Declared COP	COP_D	4,28	1,99	

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

Declared cooling capacity	P _E	12,24	--	kW
Declared power input	D _E	8,14	--	kW
Declared COP	COP_E	1,50	--	

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/4FE-5.F1Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	25602		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,27		

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

Rated cooling capacity	P _A	13,61		kW
Rated power input	D _A	7,10		kW
Rated COP	COP_A	1,92		

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

Declared cooling capacity	P _B	12,34		kW
Declared power input	D _B	5,25		kW
Declared COP	COP_B	2,35		

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

Declared cooling capacity	P _C	10,38		kW
Declared power input	D _C	3,41		kW
Declared COP	COP_C	3,04		

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

Declared cooling capacity	P _D	8,18		kW
Declared power input	D _D	1,91		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	11,35		kW
Declared power input	D _E	7,31		kW
Declared COP	COP_E	1,55		

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/4FE-5.F1Y

Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	29188	17416	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,25	1,81	

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

Rated cooling capacity	P _A	15,45	4,22	kW
Rated power input	D _A	8,20	3,36	kW
Rated COP	COP_A	1,88	1,26	

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

Declared cooling capacity	P _B	13,97	4,00	kW
Declared power input	D _B	5,94	2,71	kW
Declared COP	COP_B	2,35	1,48	

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

Declared cooling capacity	P _C	11,76	3,73	kW
Declared power input	D _C	3,83	2,10	kW
Declared COP	COP_C	3,07	1,77	

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

Declared cooling capacity	P _D	9,43	3,41	kW
Declared power input	D _D	2,25	1,69	kW
Declared COP	COP_D	4,20	2,01	

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

Declared cooling capacity	P _E	13,06	--	kW
Declared power input	D _E	8,62	--	kW
Declared COP	COP_E	1,52	--	

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	27728	21044	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,67	2,00	

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

Rated cooling capacity	P _A	16,55	5,64	kW
Rated power input	D _A	8,68	4,28	kW
Rated COP	COP_A	1,91	1,32	

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

Declared cooling capacity	P _B	15,02	5,37	kW
Declared power input	D _B	6,02	3,43	kW
Declared COP	COP_B	2,49	1,57	

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

Declared cooling capacity	P _C	12,58	4,97	kW
Declared power input	D _C	3,52	2,54	kW
Declared COP	COP_C	3,57	1,96	

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

Declared cooling capacity	P _D	10,00	4,59	kW
Declared power input	D _D	2,10	2,01	kW
Declared COP	COP_D	4,77	2,28	

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

Declared cooling capacity	P _E	13,29	4,52	kW
Declared power input	D _E	9,14	4,24	kW
Declared COP	COP_E	1,45	1,07	

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/4FE-5.F1Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	28205	17550	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,29	1,81	

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

Rated cooling capacity	P _A	15,08	4,26	kW
Rated power input	D _A	8,01	3,40	kW
Rated COP	COP_A	1,88	1,25	

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

Declared cooling capacity	P _B	13,52	4,09	kW
Declared power input	D _B	5,71	2,78	kW
Declared COP	COP_B	2,37	1,47	

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

Declared cooling capacity	P _C	11,32	3,76	kW
Declared power input	D _C	3,65	2,12	kW
Declared COP	COP_C	3,10	1,78	

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

Declared cooling capacity	P _D	9,28	3,44	kW
Declared power input	D _D	2,19	1,70	kW
Declared COP	COP_D	4,24	2,03	

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

Declared cooling capacity	P _E	12,65	--	kW
Declared power input	D _E	8,42	--	kW
Declared COP	COP_E	1,50	--	

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: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	28158	17518	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,28	1,81	

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

Rated cooling capacity	P _A	15,01	4,26	kW
Rated power input	D _A	8,01	3,40	kW
Rated COP	COP_A	1,87	1,25	

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

Declared cooling capacity	P _B	13,47	4,04	kW
Declared power input	D _B	5,71	2,74	kW
Declared COP	COP_B	2,36	1,47	

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

Declared cooling capacity	P _C	11,29	3,76	kW
Declared power input	D _C	3,65	2,11	kW
Declared COP	COP_C	3,10	1,78	

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

Declared cooling capacity	P _D	9,25	3,44	kW
Declared power input	D _D	2,19	1,70	kW
Declared COP	COP_D	4,23	2,03	

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

Declared cooling capacity	P _E	12,60	--	kW
Declared power input	D _E	8,42	--	kW
Declared COP	COP_E	1,50	--	

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/4FE-5.F1Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	13874		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,68		

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

Rated cooling capacity	P _A	8,31		kW
Rated power input	D _A	3,86		kW
Rated COP	COP_A	2,15		

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

Declared cooling capacity	P _B	7,47		kW
Declared power input	D _B	2,77		kW
Declared COP	COP_B	2,69		

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

Declared cooling capacity	P _C	6,22		kW
Declared power input	D _C	1,72		kW
Declared COP	COP_C	3,61		

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

Declared cooling capacity	P _D	5,00		kW
Declared power input	D _D	1,11		kW
Declared COP	COP_D	4,49		

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

Declared cooling capacity	P _E	7,04		kW
Declared power input	D _E	4,27		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		

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SEPR Declaration Model: LHV7E/4FE-5.F1Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	16322		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,80		

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

Rated cooling capacity	P _A	10,09		kW
Rated power input	D _A	4,69		kW
Rated COP	COP_A	2,15		

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

Declared cooling capacity	P _B	9,12		kW
Declared power input	D _B	3,35		kW
Declared COP	COP_B	2,72		

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

Declared cooling capacity	P _C	7,63		kW
Declared power input	D _C	2,06		kW
Declared COP	COP_C	3,71		

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

Declared cooling capacity	P _D	6,17		kW
Declared power input	D _D	1,30		kW
Declared COP	COP_D	4,76		

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

Declared cooling capacity	P _E	8,52		kW
Declared power input	D _E	5,21		kW
Declared COP	COP_E	1,64		

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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