



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4CE-9.F3Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	30221		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,44		

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

Rated cooling capacity	P _A	16,92		kW
Rated power input	D _A	8,46		kW
Rated COP	COP_A	2,00		

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

Declared cooling capacity	P _B	15,22		kW
Declared power input	D _B	6,13		kW
Declared COP	COP_B	2,48		

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

Declared cooling capacity	P _C	12,87		kW
Declared power input	D _C	3,86		kW
Declared COP	COP_C	3,33		

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

Declared cooling capacity	P _D	10,35		kW
Declared power input	D _D	2,40		kW
Declared COP	COP_D	4,32		

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

Declared cooling capacity	P _E	14,41		kW
Declared power input	D _E	8,85		kW
Declared COP	COP_E	1,63		

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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Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	48048	35547	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,20	1,93	

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

Rated cooling capacity	P _A	25,0	9,21	kW
Rated power input	D _A	16,15	7,53	kW
Rated COP	COP_A	1,55	1,22	

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

Declared cooling capacity	P _B	22,5	8,79	kW
Declared power input	D _B	10,42	5,92	kW
Declared COP	COP_B	2,16	1,49	

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

Declared cooling capacity	P _C	18,75	8,11	kW
Declared power input	D _C	6,05	4,28	kW
Declared COP	COP_C	3,10	1,90	

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

Declared cooling capacity	P _D	15,05	7,45	kW
Declared power input	D _D	3,58	3,35	kW
Declared COP	COP_D	4,20	2,22	

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

Declared cooling capacity	P _E	--	7,36	kW
Declared power input	D _E	--	7,61	kW
Declared COP	COP_E	--	0,97	

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	45644		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	23,4	Error: -86	kW
Rated power input	D _A	14,13		kW
Rated COP	COP_A	1,66		

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

Declared cooling capacity	P _B	21,1		kW
Declared power input	D _B	9,72		kW
Declared COP	COP_B	2,17		

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

Declared cooling capacity	P _C	17,61		kW
Declared power input	D _C	5,88		kW
Declared COP	COP_C	2,99		

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

Declared cooling capacity	P _D	14,17		kW
Declared power input	D _D	3,41		kW
Declared COP	COP_D	4,16		

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

Declared cooling capacity	P _E	--		kW
Declared power input	D _E	--		kW
Declared COP	COP_E	--		

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/4CE-9.F3Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	43928		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	22,5		kW
Rated power input	D _A	13,10		kW
Rated COP	COP_A	1,71		

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

Declared cooling capacity	P _B	20,2		kW
Declared power input	D _B	9,09		kW
Declared COP	COP_B	2,22		

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

Declared cooling capacity	P _C	16,96		kW
Declared power input	D _C	5,70		kW
Declared COP	COP_C	2,98		

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

Declared cooling capacity	P _D	13,69		kW
Declared power input	D _D	3,34		kW
Declared COP	COP_D	4,10		

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

Declared cooling capacity	P _E	--		kW
Declared power input	D _E	--		kW
Declared COP	COP_E	--		

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: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	48779		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,11		

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

Rated cooling capacity	P _A	24,7	Error: -86	kW
Rated power input	D _A	15,10		kW
Rated COP	COP_A	1,63		

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

Declared cooling capacity	P _B	22,2		kW
Declared power input	D _B	10,35		kW
Declared COP	COP_B	2,14		

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

Declared cooling capacity	P _C	18,79		kW
Declared power input	D _C	6,38		kW
Declared COP	COP_C	2,94		

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

Declared cooling capacity	P _D	14,85		kW
Declared power input	D _D	3,60		kW
Declared COP	COP_D	4,12		

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

Declared cooling capacity	P _E	--		kW
Declared power input	D _E	--		kW
Declared COP	COP_E	--		

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	47782	35613	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,28	2,02	

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

Rated cooling capacity	P _A	25,5	9,65	kW
Rated power input	D _A	16,18	7,57	kW
Rated COP	COP_A	1,58	1,27	

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

Declared cooling capacity	P _B	23,1	9,21	kW
Declared power input	D _B	10,44	5,94	kW
Declared COP	COP_B	2,21	1,55	

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

Declared cooling capacity	P _C	19,32	8,51	kW
Declared power input	D _C	6,06	4,29	kW
Declared COP	COP_C	3,19	1,99	

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

Declared cooling capacity	P _D	15,54	7,80	kW
Declared power input	D _D	3,59	3,36	kW
Declared COP	COP_D	4,33	2,32	

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

Declared cooling capacity	P _E	--	7,70	kW
Declared power input	D _E	--	7,63	kW
Declared COP	COP_E	--	1,01	

Other items

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

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SEPR Declaration Model: LHV7E/4CE-9.F3Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	47081	31801	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,14	1,79	

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

Rated cooling capacity	P _A	24,0	7,62	kW
Rated power input	D _A	14,71	6,36	kW
Rated COP	COP_A	1,63	1,20	

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

Declared cooling capacity	P _B	21,7	7,23	kW
Declared power input	D _B	10,08	5,14	kW
Declared COP	COP_B	2,15	1,41	

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

Declared cooling capacity	P _C	18,08	6,74	kW
Declared power input	D _C	6,07	3,92	kW
Declared COP	COP_C	2,98	1,72	

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

Declared cooling capacity	P _D	14,59	6,18	kW
Declared power input	D _D	3,51	2,99	kW
Declared COP	COP_D	4,16	2,07	

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

Declared cooling capacity	P _E	--	--	kW
Declared power input	D _E	--	--	kW
Declared COP	COP_E	--	--	

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	46986	31802	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,13	1,79	

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

Rated cooling capacity	P _A	23,9	7,62	kW
Rated power input	D _A	14,72	6,35	kW
Rated COP	COP_A	1,62	1,20	

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

Declared cooling capacity	P _B	21,6	7,23	kW
Declared power input	D _B	10,08	5,14	kW
Declared COP	COP_B	2,14	1,41	

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

Declared cooling capacity	P _C	18,02	6,74	kW
Declared power input	D _C	6,07	3,92	kW
Declared COP	COP_C	2,97	1,72	

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

Declared cooling capacity	P _D	14,55	6,19	kW
Declared power input	D _D	3,50	2,99	kW
Declared COP	COP_D	4,15	2,07	

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

Declared cooling capacity	P _E	--	--	kW
Declared power input	D _E	--	--	kW
Declared COP	COP_E	--	--	

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/4CE-9.F3Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	26608		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,45		

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

Rated cooling capacity	P _A	14,94		kW
Rated power input	D _A	7,53		kW
Rated COP	COP_A	1,99		

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

Declared cooling capacity	P _B	13,54		kW
Declared power input	D _B	5,52		kW
Declared COP	COP_B	2,45		

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

Declared cooling capacity	P _C	11,28		kW
Declared power input	D _C	3,38		kW
Declared COP	COP_C	3,34		

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

Declared cooling capacity	P _D	9,17		kW
Declared power input	D _D	2,09		kW
Declared COP	COP_D	4,38		

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

Declared cooling capacity	P _E	12,70		kW
Declared power input	D _E	7,91		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/4CE-9.F3Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	31634		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,44		

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

Rated cooling capacity	P _A	17,68		kW
Rated power input	D _A	8,97		kW
Rated COP	COP_A	1,97		

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

Declared cooling capacity	P _B	15,88		kW
Declared power input	D _B	6,40		kW
Declared COP	COP_B	2,48		

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

Declared cooling capacity	P _C	13,48		kW
Declared power input	D _C	4,06		kW
Declared COP	COP_C	3,32		

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

Declared cooling capacity	P _D	10,74		kW
Declared power input	D _D	2,49		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	14,86		kW
Declared power input	D _E	9,38		kW
Declared COP	COP_E	1,59		

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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