



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV5E/2DES-3.F1Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	11637		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,90		

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

Rated cooling capacity	P _A	7,38		kW
Rated power input	D _A	3,33		kW
Rated COP	COP _A	2,22		

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

Declared cooling capacity	P _B	6,68		kW
Declared power input	D _B	2,41		kW
Declared COP	COP _B	2,77		

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

Declared cooling capacity	P _C	5,62		kW
Declared power input	D _C	1,48		kW
Declared COP	COP _C	3,79		

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

Declared cooling capacity	P _D	4,48		kW
Declared power input	D _D	0,91		kW
Declared COP	COP _D	4,91		

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

Declared cooling capacity	P _E	6,38		kW
Declared power input	D _E	3,66		kW
Declared COP	COP _E	1,74		

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: LHV5E/2DES-3.F1Y

Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	19895	13776	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,63	2,04	

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

Rated cooling capacity	P _A	11,74	3,76	kW
Rated power input	D _A	6,07	2,86	kW
Rated COP	COP _A	1,94	1,32	

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

Declared cooling capacity	P _B	10,65	3,58	kW
Declared power input	D _B	4,16	2,26	kW
Declared COP	COP _B	2,56	1,59	

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

Declared cooling capacity	P _C	8,90	3,30	kW
Declared power input	D _C	2,44	1,66	kW
Declared COP	COP _C	3,65	1,99	

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

Declared cooling capacity	P _D	7,13	3,06	kW
Declared power input	D _D	1,60	1,31	kW
Declared COP	COP _D	4,45	2,33	

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

Declared cooling capacity	P _E	9,42	2,85	kW
Declared power input	D _E	6,37	2,73	kW
Declared COP	COP _E	1,48	1,05	

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	18728	10782	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,44	1,88	

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

Rated cooling capacity	P _A	10,48	2,73	kW
Rated power input	D _A	5,38	2,13	kW
Rated COP	COP _A	1,95	1,28	

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

Declared cooling capacity	P _B	9,42	2,59	kW
Declared power input	D _B	3,81	1,72	kW
Declared COP	COP _B	2,47	1,51	

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

Declared cooling capacity	P _C	7,89	2,38	kW
Declared power input	D _C	2,36	1,30	kW
Declared COP	COP _C	3,35	1,84	

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

Declared cooling capacity	P _D	6,42	2,22	kW
Declared power input	D _D	1,49	1,04	kW
Declared COP	COP _D	4,31	2,13	

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

Declared cooling capacity	P _E	8,74	--	kW
Declared power input	D _E	5,64	--	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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Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	18491		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,40		

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

Rated cooling capacity	P _A	10,23		kW
Rated power input	D _A	5,19		kW
Rated COP	COP _A	1,97		

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

Declared cooling capacity	P _B	9,19		kW
Declared power input	D _B	3,74		kW
Declared COP	COP _B	2,46		

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

Declared cooling capacity	P _C	7,67		kW
Declared power input	D _C	2,33		kW
Declared COP	COP _C	3,30		

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

Declared cooling capacity	P _D	6,27		kW
Declared power input	D _D	1,48		kW
Declared COP	COP _D	4,24		

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

Declared cooling capacity	P _E	8,62		kW
Declared power input	D _E	5,45		kW
Declared COP	COP _E	1,58		

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: LHV5E/2DES-3.F1Y

Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	20031	11498	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,40	1,90	

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

Rated cooling capacity	P _A	11,08	2,92	kW
Rated power input	D _A	5,72	2,27	kW
Rated COP	COP _A	1,94	1,29	

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

Declared cooling capacity	P _B	10,02	2,80	kW
Declared power input	D _B	4,10	1,85	kW
Declared COP	COP _B	2,44	1,51	

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

Declared cooling capacity	P _C	8,43	2,57	kW
Declared power input	D _C	2,56	1,40	kW
Declared COP	COP _C	3,29	1,84	

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

Declared cooling capacity	P _D	6,73	2,35	kW
Declared power input	D _D	1,57	1,09	kW
Declared COP	COP _D	4,28	2,15	

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

Declared cooling capacity	P _E	9,34	--	kW
Declared power input	D _E	6,00	--	kW
Declared COP	COP _E	1,56	--	

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	19808	13787	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,74	2,14	

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

Rated cooling capacity	P _A	12,05	3,95	kW
Rated power input	D _A	6,07	2,86	kW
Rated COP	COP _A	1,98	1,38	

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

Declared cooling capacity	P _B	10,82	3,76	kW
Declared power input	D _B	4,10	2,26	kW
Declared COP	COP _B	2,64	1,66	

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

Declared cooling capacity	P _C	9,19	3,47	kW
Declared power input	D _C	2,44	1,66	kW
Declared COP	COP _C	3,77	2,09	

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

Declared cooling capacity	P _D	7,37	3,22	kW
Declared power input	D _D	1,61	1,31	kW
Declared COP	COP _D	4,59	2,45	

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

Declared cooling capacity	P _E	9,62	3,01	kW
Declared power input	D _E	6,37	2,74	kW
Declared COP	COP _E	1,51	1,10	

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: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	19324	11594	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,44	1,91	

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

Rated cooling capacity	P _A	10,82	2,97	kW
Rated power input	D _A	5,58	2,29	kW
Rated COP	COP _A	1,94	1,29	

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

Declared cooling capacity	P _B	9,70	2,83	kW
Declared power input	D _B	3,94	1,87	kW
Declared COP	COP _B	2,46	1,52	

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

Declared cooling capacity	P _C	8,12	2,60	kW
Declared power input	D _C	2,44	1,41	kW
Declared COP	COP _C	3,33	1,85	

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

Declared cooling capacity	P _D	6,62	2,38	kW
Declared power input	D _D	1,53	1,10	kW
Declared COP	COP _D	4,33	2,17	

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

Declared cooling capacity	P _E	9,06	--	kW
Declared power input	D _E	5,86	--	kW
Declared COP	COP _E	1,54	--	

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	19297	11586	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,43	1,91	

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

Rated cooling capacity	P _A	10,77	2,96	kW
Rated power input	D _A	5,58	2,29	kW
Rated COP	COP _A	1,93	1,29	

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

Declared cooling capacity	P _B	9,67	2,83	kW
Declared power input	D _B	3,94	1,87	kW
Declared COP	COP _B	2,45	1,52	

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

Declared cooling capacity	P _C	8,10	2,60	kW
Declared power input	D _C	2,43	1,40	kW
Declared COP	COP _C	3,33	1,85	

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

Declared cooling capacity	P _D	6,60	2,38	kW
Declared power input	D _D	1,53	1,10	kW
Declared COP	COP _D	4,32	2,17	

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

Declared cooling capacity	P _E	9,02	--	kW
Declared power input	D _E	5,86	--	kW
Declared COP	COP _E	1,54	--	

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: LHV5E/2DES-3.F1Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	10405		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,81		

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

Rated cooling capacity	P _A	6,44		kW
Rated power input	D _A	2,94		kW
Rated COP	COP _A	2,19		

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

Declared cooling capacity	P _B	5,84		kW
Declared power input	D _B	2,13		kW
Declared COP	COP _B	2,74		

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

Declared cooling capacity	P _C	4,91		kW
Declared power input	D _C	1,32		kW
Declared COP	COP _C	3,71		

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

Declared cooling capacity	P _D	3,92		kW
Declared power input	D _D	0,82		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	5,56		kW
Declared power input	D _E	3,24		kW
Declared COP	COP _E	1,72		

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: LHV5E/2DES-3.F1Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	12291		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,91		

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

Rated cooling capacity	P _A	7,81		kW
Rated power input	D _A	3,56		kW
Rated COP	COP _A	2,20		

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

Declared cooling capacity	P _B	7,03		kW
Declared power input	D _B	2,53		kW
Declared COP	COP _B	2,78		

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

Declared cooling capacity	P _C	5,90		kW
Declared power input	D _C	1,54		kW
Declared COP	COP _C	3,83		

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

Declared cooling capacity	P _D	4,79		kW
Declared power input	D _D	0,98		kW
Declared COP	COP _D	4,89		

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

Declared cooling capacity	P _E	6,68		kW
Declared power input	D _E	3,88		kW
Declared COP	COP _E	1,72		

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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