



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV5E/4EE-6.F1Y

Refrigerant: R134a

Item	Symbol*	Value	Unit
Evaporating temperature	t	-10	°C
Annual electricity consumption	Q	21044	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,47	

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

Rated cooling capacity	P _A	11,89		kW
Rated power input	D _A	5,81		kW
Rated COP	COP_A	2,05		

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

Declared cooling capacity	P _B	10,69		kW
Declared power input	D _B	4,18		kW
Declared COP	COP_B	2,56		

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

Declared cooling capacity	P _C	8,90		kW
Declared power input	D _C	2,56		kW
Declared COP	COP_C	3,48		

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

Declared cooling capacity	P _D	7,21		kW
Declared power input	D _D	1,75		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	10,10		kW
Declared power input	D _E	6,10		kW
Declared COP	COP_E	1,66		

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	32422	25796	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,29	1,83	

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

Rated cooling capacity	P _A	17,34	6,34	kW
Rated power input	D _A	10,83	5,19	kW
Rated COP	COP_A	1,60	1,22	

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

Declared cooling capacity	P _B	15,69	6,08	kW
Declared power input	D _B	6,98	4,16	kW
Declared COP	COP_B	2,25	1,46	

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

Declared cooling capacity	P _C	13,03	5,62	kW
Declared power input	D _C	3,99	3,06	kW
Declared COP	COP_C	3,27	1,84	

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

Declared cooling capacity	P _D	10,66	5,13	kW
Declared power input	D _D	2,55	2,52	kW
Declared COP	COP_D	4,19	2,03	

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

Declared cooling capacity	P _E	--	5,05	kW
Declared power input	D _E	--	5,16	kW
Declared COP	COP_E	--	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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SEPR Declaration Model: LHV5E/4EE-6.F1Y

Refrigerant: R407A

Item	Symbol*	Value	Unit
Evaporating temperature	t	-10	°C
Annual electricity consumption	Q	31105	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	16,26	Error: -86	kW
Rated power input	D _A	9,54		kW
Rated COP	COP_A	1,70		

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

Declared cooling capacity	P _B	14,70		kW
Declared power input	D _B	6,54		kW
Declared COP	COP_B	2,25		

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

Declared cooling capacity	P _C	12,27		kW
Declared power input	D _C	3,92		kW
Declared COP	COP_C	3,13		

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

Declared cooling capacity	P _D	9,81		kW
Declared power input	D _D	2,40		kW
Declared COP	COP_D	4,09		

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: R407C

Item	Symbol*	Value	Unit
Evaporating temperature	t	-10	°C
Annual electricity consumption	Q	29483	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	15,34		kW
Rated power input	D _A	8,59		kW
Rated COP	COP_A	1,79		

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

Declared cooling capacity	P _B	13,84		kW
Declared power input	D _B	6,00		kW
Declared COP	COP_B	2,31		

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

Declared cooling capacity	P _C	11,67		kW
Declared power input	D _C	3,77		kW
Declared COP	COP_C	3,09		

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

Declared cooling capacity	P _D	9,38		kW
Declared power input	D _D	2,32		kW
Declared COP	COP_D	4,04		

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

Declared cooling capacity	P _E	12,61		kW
Declared power input	D _E	8,69		kW
Declared COP	COP_E	1,45		

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	°C
Annual electricity consumption	Q	33179	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,18	

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

Rated cooling capacity	P _A	17,14	Error: -86	kW
Rated power input	D _A	10,19		kW
Rated COP	COP_A	1,68		

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

Declared cooling capacity	P _B	15,52		kW
Declared power input	D _B	6,94		kW
Declared COP	COP_B	2,24		

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

Declared cooling capacity	P _C	12,83		kW
Declared power input	D _C	4,15		kW
Declared COP	COP_C	3,09		

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

Declared cooling capacity	P _D	10,61		kW
Declared power input	D _D	2,62		kW
Declared COP	COP_D	4,05		

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	32032	25845	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,40	1,92	

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

Rated cooling capacity	P _A	17,70	6,64	kW
Rated power input	D _A	10,85	5,21	kW
Rated COP	COP_A	1,63	1,27	

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

Declared cooling capacity	P _B	15,91	6,37	kW
Declared power input	D _B	6,87	4,17	kW
Declared COP	COP_B	2,32	1,53	

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

Declared cooling capacity	P _C	13,43	5,90	kW
Declared power input	D _C	3,99	3,07	kW
Declared COP	COP_C	3,36	1,92	

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

Declared cooling capacity	P _D	10,65	5,37	kW
Declared power input	D _D	2,45	2,53	kW
Declared COP	COP_D	4,34	2,12	

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

Declared cooling capacity	P _E	--	5,28	kW
Declared power input	D _E	--	5,18	kW
Declared COP	COP_E	--	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: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	32073	21553	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,21	1,76	

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

Rated cooling capacity	P _A	16,72	5,10	kW
Rated power input	D _A	9,93	4,17	kW
Rated COP	COP _A	1,68	1,22	

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

Declared cooling capacity	P _B	15,12	4,88	kW
Declared power input	D _B	6,78	3,39	kW
Declared COP	COP _B	2,23	1,44	

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

Declared cooling capacity	P _C	12,61	4,51	kW
Declared power input	D _C	4,05	2,58	kW
Declared COP	COP _C	3,12	1,75	

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

Declared cooling capacity	P _D	10,10	4,14	kW
Declared power input	D _D	2,46	2,12	kW
Declared COP	COP _D	4,10	1,96	

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	°C
Annual electricity consumption	Q	32026	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,20	1,76

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

Rated cooling capacity	P _A	16,65	5,09	kW
Rated power input	D _A	9,93	4,17	kW
Rated COP	COP_A	1,68	1,22	

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

Declared cooling capacity	P _B	15,05	4,88	kW
Declared power input	D _B	6,78	3,39	kW
Declared COP	COP_B	2,22	1,44	

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

Declared cooling capacity	P _C	12,57	4,51	kW
Declared power input	D _C	4,04	2,58	kW
Declared COP	COP_C	3,11	1,75	

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

Declared cooling capacity	P _D	10,07	4,15	kW
Declared power input	D _D	2,46	2,12	kW
Declared COP	COP_D	4,09	1,96	

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: R450A

Item	Symbol*	Value	Unit
Evaporating temperature	t	-10	°C
Annual electricity consumption	Q	18813	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,43	

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

Rated cooling capacity	P _A	10,50		kW
Rated power input	D _A	5,18		kW
Rated COP	COP_A	2,03		

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

Declared cooling capacity	P _B	9,51		kW
Declared power input	D _B	3,76		kW
Declared COP	COP_B	2,53		

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

Declared cooling capacity	P _C	7,96		kW
Declared power input	D _C	2,32		kW
Declared COP	COP_C	3,43		

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

Declared cooling capacity	P _D	6,35		kW
Declared power input	D _D	1,55		kW
Declared COP	COP_D	4,09		

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

Declared cooling capacity	P _E	8,91		kW
Declared power input	D _E	5,45		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	

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SEPR Declaration Model: LHV5E/4EE-6.F1Y

Refrigerant: R513A

Item	Symbol*	Value	Unit
Evaporating temperature	t	-10	°C
Annual electricity consumption	Q	21874	kWh/a
Seasonal Energy Performance Ratio	SEPR	3,49	

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

Rated cooling capacity	P _A	12,42		kW
Rated power input	D _A	6,17		kW
Rated COP	COP_A	2,01		

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

Declared cooling capacity	P _B	11,16		kW
Declared power input	D _B	4,37		kW
Declared COP	COP_B	2,56		

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

Declared cooling capacity	P _C	9,31		kW
Declared power input	D _C	2,67		kW
Declared COP	COP_C	3,49		

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

Declared cooling capacity	P _D	7,51		kW
Declared power input	D _D	1,80		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	10,42		kW
Declared power input	D _E	6,47		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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