



Performance Data Sheet according to EU Regulation 2015/1095

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

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	23743		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,65		

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

Rated cooling capacity	P _A	14,09		kW
Rated power input	D _A	6,88		kW
Rated COP	COP _A	2,05		

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

Declared cooling capacity	P _B	12,72		kW
Declared power input	D _B	4,98		kW
Declared COP	COP _B	2,55		

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

Declared cooling capacity	P _C	10,60		kW
Declared power input	D _C	3,01		kW
Declared COP	COP _C	3,52		

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

Declared cooling capacity	P _D	8,46		kW
Declared power input	D _D	1,82		kW
Declared COP	COP _D	4,64		

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

Declared cooling capacity	P _E	11,92		kW
Declared power input	D _E	7,20		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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* Symbols taken from english version of the Regulation 2015/1095



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4DE-5.F1

Refrigerant: R404A

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

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

Rated cooling capacity	P _A	Error: -256	Error: -256	kW
Rated power input	D _A			kW
Rated COP	COP _A			

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

Declared cooling capacity	P _B			kW
Declared power input	D _B			kW
Declared COP	COP _B			

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

Declared cooling capacity	P _C			kW
Declared power input	D _C			kW
Declared COP	COP _C			

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

Declared cooling capacity	P _D			kW
Declared power input	D _D			kW
Declared COP	COP _D			

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		
Coefficient of degradation for units w/o capacity control**	Cdc	0,25		

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** Since condensing units are non functional systems Cdc can not be determined by test. For this reason the default degradation coefficient Cdc (0.25) has to be applied according to EN 13215, Annex A.



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4DE-5.F1

Refrigerant: R407A

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

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

Rated cooling capacity	P _A	Error: -256	Error: -256	kW
Rated power input	D _A			kW
Rated COP	COP _A			

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

Declared cooling capacity	P _B			kW
Declared power input	D _B			kW
Declared COP	COP _B			

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

Declared cooling capacity	P _C			kW
Declared power input	D _C			kW
Declared COP	COP _C			

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

Declared cooling capacity	P _D			kW
Declared power input	D _D			kW
Declared COP	COP _D			

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	
Coefficient of degradation for units w/o capacity control**	Cdc	0,25	

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4DE-5.F1

Refrigerant: R407C

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

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

Rated cooling capacity	P _A	Error: -256		kW
Rated power input	D _A			kW
Rated COP	COP _A			

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

Declared cooling capacity	P _B			kW
Declared power input	D _B			kW
Declared COP	COP _B			

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

Declared cooling capacity	P _C			kW
Declared power input	D _C			kW
Declared COP	COP _C			

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

Declared cooling capacity	P _D			kW
Declared power input	D _D			kW
Declared COP	COP _D			

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	to _h	20°C	
Power voltage	Net	400V/50Hz	
Coefficient of degradation for units w/o capacity control**	C _{dc}	0,25	

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4DE-5.F1

Refrigerant: R407F

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

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

Rated cooling capacity	P _A	Error: -256	Error: -256	kW
Rated power input	D _A			kW
Rated COP	COP _A			

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

Declared cooling capacity	P _B			kW
Declared power input	D _B			kW
Declared COP	COP _B			

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

Declared cooling capacity	P _C			kW
Declared power input	D _C			kW
Declared COP	COP _C			

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

Declared cooling capacity	P _D			kW
Declared power input	D _D			kW
Declared COP	COP _D			

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	
Coefficient of degradation for units w/o capacity control**	Cdc	0,25	

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4DE-5.F1

Refrigerant: R507A

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

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

Rated cooling capacity	P _A	Error: -256	Error: -256	kW
Rated power input	D _A			kW
Rated COP	COP_A			

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

Declared cooling capacity	P _B			kW
Declared power input	D _B			kW
Declared COP	COP_B			

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

Declared cooling capacity	P _C			kW
Declared power input	D _C			kW
Declared COP	COP_C			

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

Declared cooling capacity	P _D			kW
Declared power input	D _D			kW
Declared COP	COP_D			

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	
Coefficient of degradation for units w/o capacity control**	Cdc	0,25	

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4DE-5.F1

Refrigerant: R448A

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

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

Rated cooling capacity	P _A	Error: -21	Error: -21	kW
Rated power input	D _A			kW
Rated COP	COP _A			

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

Declared cooling capacity	P _B			kW
Declared power input	D _B			kW
Declared COP	COP _B			

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

Declared cooling capacity	P _C			kW
Declared power input	D _C			kW
Declared COP	COP _C			

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

Declared cooling capacity	P _D			kW
Declared power input	D _D			kW
Declared COP	COP _D			

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	
Coefficient of degradation for units w/o capacity control**	Cdc	0,25	

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LHV7E/4DE-5.F1

Refrigerant: R449A

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

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

Rated cooling capacity	P _A	Error: -21	Error: -21	kW
Rated power input	D _A			kW
Rated COP	COP _A			

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

Declared cooling capacity	P _B			kW
Declared power input	D _B			kW
Declared COP	COP _B			

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

Declared cooling capacity	P _C			kW
Declared power input	D _C			kW
Declared COP	COP _C			

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

Declared cooling capacity	P _D			kW
Declared power input	D _D			kW
Declared COP	COP _D			

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	
Coefficient of degradation for units w/o capacity control**	Cdc	0,25	

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Performance Data Sheet according to EU Regulation 2015/1095

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

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	20823		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,65		

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

Rated cooling capacity	P _A	12,37		kW
Rated power input	D _A	6,08		kW
Rated COP	COP _A	2,03		

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

Declared cooling capacity	P _B	11,15		kW
Declared power input	D _B	4,36		kW
Declared COP	COP _B	2,56		

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

Declared cooling capacity	P _C	9,28		kW
Declared power input	D _C	2,64		kW
Declared COP	COP _C	3,52		

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

Declared cooling capacity	P _D	7,48		kW
Declared power input	D _D	1,60		kW
Declared COP	COP _D	4,67		

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	6,45		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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SEPR Declaration Model: LHV7E/4DE-5.F1Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	25055		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,63		

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

Rated cooling capacity	P _A	14,81		kW
Rated power input	D _A	7,30		kW
Rated COP	COP _A	2,03		

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

Declared cooling capacity	P _B	13,35		kW
Declared power input	D _B	5,24		kW
Declared COP	COP _B	2,54		

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

Declared cooling capacity	P _C	11,12		kW
Declared power input	D _C	3,16		kW
Declared COP	COP _C	3,52		

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

Declared cooling capacity	P _D	9,04		kW
Declared power input	D _D	1,95		kW
Declared COP	COP _D	4,63		

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	7,62		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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