



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH135E/6JE-25Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	55185		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,24		

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

Rated cooling capacity	P _A	29,1		kW
Rated power input	D _A	11,80		kW
Rated COP	COP_A	2,46		

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

Declared cooling capacity	P _B	31,9		kW
Declared power input	D _B	11,28		kW
Declared COP	COP_B	2,83		

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

Declared cooling capacity	P _C	35,8		kW
Declared power input	D _C	10,35		kW
Declared COP	COP_C	3,46		

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

Declared cooling capacity	P _D	39,5		kW
Declared power input	D _D	9,23		kW
Declared COP	COP_D	4,28		

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

Declared cooling capacity	P _E	24,6		kW
Declared power input	D _E	12,35		kW
Declared COP	COP_E	1,99		

Other items

Capacity control		—		
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		

Additional document: [Declaration of Conformity AC-500](#)

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* Symbols taken from english version of the Regulation 2015/1095

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH135E/6JE-25Y

Refrigerant: R404A

Condensing unit with the selected refrigerant at medium temperature application (MT) is only intended for deliveries outside the EU. For EU suitable condensing units, see Declaration of Conformity AC-500.

Item	Symbol*	Value	Unit
Evaporating temperature	t	-35	°C
Annual electricity consumption	Q	62892	kWh/a
Seasonal Energy Performance Ratio	SEPR	1,94	

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

Rated cooling capacity	P _A	16,35	kW
Rated power input	D _A	11,29	kW
Rated COP	COP _A	1,45	

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

Declared cooling capacity	P _B	18,74	kW
Declared power input	D _B	11,21	kW
Declared COP	COP _B	1,67	

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

Declared cooling capacity	P _C	22,2	kW
Declared power input	D _C	10,87	kW
Declared COP	COP _C	2,04	

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

Declared cooling capacity	P _D	25,5	kW
Declared power input	D _D	10,28	kW
Declared COP	COP _D	2,48	

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	11,15	kW
Declared COP	COP _E	1,14	

Other items

Capacity control		—	
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: LH135E/6JE-25Y

Refrigerant: R407A

Condensing unit with the selected refrigerant at medium temperature application (MT) is only intended for deliveries outside the EU. For EU suitable condensing units, see Declaration of Conformity AC-500.

Item	Symbol*	Value	Unit
Evaporating temperature	t	-35	°C
Annual electricity consumption	Q	47194	kWh/a
Seasonal Energy Performance Ratio	SEPR	1,72	

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

Rated cooling capacity	P _A	10,88	kW
Rated power input	D _A	8,43	kW
Rated COP	COP_A	1,29	

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

Declared cooling capacity	P _B	12,75	kW
Declared power input	D _B	8,54	kW
Declared COP	COP_B	1,49	

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

Declared cooling capacity	P _C	15,57	kW
Declared power input	D _C	8,50	kW
Declared COP	COP_C	1,83	

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

Declared cooling capacity	P _D	18,27	kW
Declared power input	D _D	8,24	kW
Declared COP	COP_D	2,22	

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	—		
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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SEPR Declaration Model: LH135E/6JE-25Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	88839		kWh/a
Seasonal Energy Performance Ratio	SEPR	2,65		

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

Rated cooling capacity	P _A	38,3		kW
Rated power input	D _A	18,91		kW
Rated COP	COP_A	2,02		

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

Declared cooling capacity	P _B	42,5		kW
Declared power input	D _B	18,24		kW
Declared COP	COP_B	2,33		

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

Declared cooling capacity	P _C	48,5		kW
Declared power input	D _C	17,02		kW
Declared COP	COP_C	2,85		

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

Declared cooling capacity	P _D	54,4		kW
Declared power input	D _D	15,51		kW
Declared COP	COP_D	3,51		

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		—		
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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SEPR Declaration Model: LH135E/6JE-25Y

Refrigerant: R407F

Condensing unit with the selected refrigerant at medium temperature application (MT) is only intended for deliveries outside the EU. For EU suitable condensing units, see Declaration of Conformity AC-500.

Item	Symbol*	Value	Unit
Evaporating temperature	t	-35	°C
Annual electricity consumption	Q	51662	kWh/a
Seasonal Energy Performance Ratio	SEPR	1,76	

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

Rated cooling capacity	P _A	12,18	kW
Rated power input	D _A	9,32	kW
Rated COP	COP _A	1,31	

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

Declared cooling capacity	P _B	14,22	kW
Declared power input	D _B	9,32	kW
Declared COP	COP _B	1,53	

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

Declared cooling capacity	P _C	17,16	kW
Declared power input	D _C	9,18	kW
Declared COP	COP _C	1,87	

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

Declared cooling capacity	P _D	20,1	kW
Declared power input	D _D	8,88	kW
Declared COP	COP _D	2,26	

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	—		
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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SEPR Declaration Model: LH135E/6JE-25Y

Refrigerant: R454C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	84291	46575	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,68	1,77	

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

Rated cooling capacity	P _A	36,8	11,05	kW
Rated power input	D _A	17,73	8,21	kW
Rated COP	COP_A	2,08	1,35	

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

Declared cooling capacity	P _B	40,7	12,71	kW
Declared power input	D _B	17,11	8,15	kW
Declared COP	COP_B	2,38	1,56	

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

Declared cooling capacity	P _C	46,4	15,28	kW
Declared power input	D _C	16,02	8,06	kW
Declared COP	COP_C	2,89	1,90	

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

Declared cooling capacity	P _D	52,0	17,77	kW
Declared power input	D _D	14,77	7,99	kW
Declared COP	COP_D	3,52	2,22	

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		—		
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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SEPR Declaration Model: LH135E/6JE-25Y

Refrigerant: R455A

Condensing unit with the selected refrigerant at medium temperature application (MT) is only intended for deliveries outside the EU. For EU suitable condensing units, see Declaration of Conformity AC-500.

Item	Symbol*	Value	Unit
Evaporating temperature	t	-35	°C
Annual electricity consumption	Q	48515	kWh/a
Seasonal Energy Performance Ratio	SEPR	1,62	

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

Rated cooling capacity	P _A	10,54	kW
Rated power input	D _A	8,80	kW
Rated COP	COP_A	1,20	

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

Declared cooling capacity	P _B	12,32	kW
Declared power input	D _B	8,76	kW
Declared COP	COP_B	1,41	

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

Declared cooling capacity	P _C	14,92	kW
Declared power input	D _C	8,64	kW
Declared COP	COP_C	1,73	

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

Declared cooling capacity	P _D	17,73	kW
Declared power input	D _D	8,49	kW
Declared COP	COP_D	2,09	

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	—		
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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SEPR Declaration Model: LH135E/6JE-25Y

Refrigerant: R507A

Condensing unit with the selected refrigerant at medium temperature application (MT) is only intended for deliveries outside the EU. For EU suitable condensing units, see Declaration of Conformity AC-500.

Item	Symbol*	Value	Unit
Evaporating temperature	t	-35	°C
Annual electricity consumption	Q	63031	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,02	

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

Rated cooling capacity	P _A	17,07	kW
Rated power input	D _A	11,29	kW
Rated COP	COP _A	1,51	

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

Declared cooling capacity	P _B	19,56	kW
Declared power input	D _B	11,21	kW
Declared COP	COP _B	1,74	

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

Declared cooling capacity	P _C	23,1	kW
Declared power input	D _C	10,88	kW
Declared COP	COP _C	2,13	

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

Declared cooling capacity	P _D	26,6	kW
Declared power input	D _D	10,31	kW
Declared COP	COP _D	2,58	

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

Declared cooling capacity	P _E	13,27	kW
Declared power input	D _E	11,15	kW
Declared COP	COP _E	1,19	

Other items

Capacity control	—		
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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SEPR Declaration Model: LH135E/6JE-25Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	97408	53444	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,65	1,86	

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

Rated cooling capacity	P _A	42,0	13,31	kW
Rated power input	D _A	20,5	9,35	kW
Rated COP	COP_A	2,04	1,42	

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

Declared cooling capacity	P _B	46,4	15,32	kW
Declared power input	D _B	19,79	9,36	kW
Declared COP	COP_B	2,35	1,64	

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

Declared cooling capacity	P _C	52,7	18,19	kW
Declared power input	D _C	18,47	9,22	kW
Declared COP	COP_C	2,85	1,97	

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

Declared cooling capacity	P _D	58,8	20,9	kW
Declared power input	D _D	16,88	8,92	kW
Declared COP	COP_D	3,49	2,34	

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

Declared cooling capacity	P _E	--	10,24	kW
Declared power input	D _E	--	9,15	kW
Declared COP	COP_E	--	1,12	

Other items

Capacity control	—		
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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Refrigerant: R449A

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Item	Symbol*	Value	Unit
Evaporating temperature	t	-35	°C
Annual electricity consumption	Q	53423	kWh/a
Seasonal Energy Performance Ratio	SEPR	1,86	

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

Rated cooling capacity	P _A	13,31	kW
Rated power input	D _A	9,35	kW
Rated COP	COP _A	1,42	

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

Declared cooling capacity	P _B	15,32	kW
Declared power input	D _B	9,36	kW
Declared COP	COP _B	1,64	

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

Declared cooling capacity	P _C	18,18	kW
Declared power input	D _C	9,22	kW
Declared COP	COP _C	1,97	

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

Declared cooling capacity	P _D	20,9	kW
Declared power input	D _D	8,93	kW
Declared COP	COP _D	2,34	

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

Declared cooling capacity	P _E	10,23	kW
Declared power input	D _E	9,15	kW
Declared COP	COP _E	1,12	

Other items

Capacity control	—		
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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SEPR Declaration Model: LH135E/6JE-25Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	48564		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,25		

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

Rated cooling capacity	P _A	25,7		kW
Rated power input	D _A	10,45		kW
Rated COP	COP_A	2,46		

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

Declared cooling capacity	P _B	28,2		kW
Declared power input	D _B	9,96		kW
Declared COP	COP_B	2,83		

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

Declared cooling capacity	P _C	31,7		kW
Declared power input	D _C	9,11		kW
Declared COP	COP_C	3,48		

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

Declared cooling capacity	P _D	35,0		kW
Declared power input	D _D	8,12		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	21,7		kW
Declared power input	D _E	10,98		kW
Declared COP	COP_E	1,97		

Other items

Capacity control		—		
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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SEPR Declaration Model: LH135E/6JE-25Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	58600		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	30,3		kW
Rated power input	D _A	12,52		kW
Rated COP	COP_A	2,42		

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

Declared cooling capacity	P _B	33,5		kW
Declared power input	D _B	12,00		kW
Declared COP	COP_B	2,79		

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

Declared cooling capacity	P _C	37,8		kW
Declared power input	D _C	11,06		kW
Declared COP	COP_C	3,41		

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

Declared cooling capacity	P _D	41,8		kW
Declared power input	D _D	9,94		kW
Declared COP	COP_D	4,21		

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

Declared cooling capacity	P _E	25,4		kW
Declared power input	D _E	13,07		kW
Declared COP	COP_E	1,94		

Other items

Capacity control		—		
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		

Additional document: [Declaration of Conformity AC-500](#)

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* Symbols taken from english version of the Regulation 2015/1095

** 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: LH135E/6JE-25Y

Refrigerant: R1234yf

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	57073		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	29,2		kW
Rated power input	D _A	12,32		kW
Rated COP	COP_A	2,37		

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

Declared cooling capacity	P _B	32,2		kW
Declared power input	D _B	11,76		kW
Declared COP	COP_B	2,74		

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

Declared cooling capacity	P _C	36,5		kW
Declared power input	D _C	10,80		kW
Declared COP	COP_C	3,38		

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

Declared cooling capacity	P _D	40,5		kW
Declared power input	D _D	9,69		kW
Declared COP	COP_D	4,18		

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

Declared cooling capacity	P _E	24,4		kW
Declared power input	D _E	12,97		kW
Declared COP	COP_E	1,88		

Other items

Capacity control		—		
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: LH135E/6JE-25Y

Refrigerant: R1234ze

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	41762		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,35		

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

Rated cooling capacity	P _A	22,8		kW
Rated power input	D _A	8,96		kW
Rated COP	COP_A	2,54		

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

Declared cooling capacity	P _B	24,9		kW
Declared power input	D _B	8,52		kW
Declared COP	COP_B	2,92		

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

Declared cooling capacity	P _C	27,9		kW
Declared power input	D _C	7,78		kW
Declared COP	COP_C	3,58		

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

Declared cooling capacity	P _D	30,6		kW
Declared power input	D _D	6,92		kW
Declared COP	COP_D	4,42		

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

Declared cooling capacity	P _E	19,33		kW
Declared power input	D _E	9,46		kW
Declared COP	COP_E	2,04		

Other items

Capacity control		—		
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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