



Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH135E/6HE-28Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	66925		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,07		

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

Rated cooling capacity	P _A	33,5		kW
Rated power input	D _A	14,15		kW
Rated COP	COP_A	2,36		

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

Declared cooling capacity	P _B	36,6		kW
Declared power input	D _B	13,53		kW
Declared COP	COP_B	2,71		

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

Declared cooling capacity	P _C	41,0		kW
Declared power input	D _C	12,44		kW
Declared COP	COP_C	3,29		

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

Declared cooling capacity	P _D	45,1		kW
Declared power input	D _D	11,18		kW
Declared COP	COP_D	4,03		

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

Declared cooling capacity	P _E	28,5		kW
Declared power input	D _E	14,87		kW
Declared COP	COP_E	1,91		

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/6HE-28Y

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	75081	kWh/a
Seasonal Energy Performance Ratio	SEPR	1,87	

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

Rated cooling capacity	P _A	18,87	kW
Rated power input	D _A	13,42	kW
Rated COP	COP _A	1,41	

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

Declared cooling capacity	P _B	21,5	kW
Declared power input	D _B	13,27	kW
Declared COP	COP _B	1,62	

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

Declared cooling capacity	P _C	25,3	kW
Declared power input	D _C	12,83	kW
Declared COP	COP _C	1,97	

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

Declared cooling capacity	P _D	29,1	kW
Declared power input	D _D	12,15	kW
Declared COP	COP _D	2,39	

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

Declared cooling capacity	P _E	14,78	kW
Declared power input	D _E	13,32	kW
Declared COP	COP _E	1,11	

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/6HE-28Y

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	57750	kWh/a
Seasonal Energy Performance Ratio	SEPR	1,70	

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

Rated cooling capacity	P _A	13,21	kW
Rated power input	D _A	10,33	kW
Rated COP	COP _A	1,28	

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

Declared cooling capacity	P _B	15,24	kW
Declared power input	D _B	10,33	kW
Declared COP	COP _B	1,48	

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

Declared cooling capacity	P _C	18,33	kW
Declared power input	D _C	10,15	kW
Declared COP	COP _C	1,81	

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

Declared cooling capacity	P _D	21,3	kW
Declared power input	D _D	9,76	kW
Declared COP	COP _D	2,19	

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/6HE-28Y

Refrigerant: R407C

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		kWh/a
Seasonal Energy Performance Ratio	SEPR		

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

Rated cooling capacity	P _A		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		—	
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/6HE-28Y

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	63144	kWh/a
Seasonal Energy Performance Ratio	SEPR	1,74	

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

Rated cooling capacity	P _A	14,73	kW
Rated power input	D _A	11,45	kW
Rated COP	COP _A	1,29	

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

Declared cooling capacity	P _B	16,97	kW
Declared power input	D _B	11,30	kW
Declared COP	COP _B	1,50	

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

Declared cooling capacity	P _C	20,2	kW
Declared power input	D _C	10,98	kW
Declared COP	COP _C	1,84	

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

Declared cooling capacity	P _D	23,5	kW
Declared power input	D _D	10,53	kW
Declared COP	COP _D	2,23	

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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Refrigerant: R454C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	101542	55177	kWh/a
Seasonal Energy Performance Ratio	SEPR	2,46	1,74	

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

Rated cooling capacity	P _A	40,6	12,91	kW
Rated power input	D _A	21,3	9,74	kW
Rated COP	COP_A	1,91	1,33	

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

Declared cooling capacity	P _B	45,2	14,74	kW
Declared power input	D _B	20,6	9,61	kW
Declared COP	COP_B	2,19	1,53	

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

Declared cooling capacity	P _C	51,5	17,53	kW
Declared power input	D _C	19,36	9,42	kW
Declared COP	COP_C	2,66	1,86	

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

Declared cooling capacity	P _D	57,8	20,4	kW
Declared power input	D _D	17,96	9,30	kW
Declared COP	COP_D	3,22	2,19	

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/6HE-28Y

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	57863	kWh/a
Seasonal Energy Performance Ratio	SEPR	1,59	

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

Rated cooling capacity	P _A	12,35	kW
Rated power input	D _A	10,50	kW
Rated COP	COP _A	1,18	

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

Declared cooling capacity	P _B	14,35	kW
Declared power input	D _B	10,39	kW
Declared COP	COP _B	1,38	

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

Declared cooling capacity	P _C	17,20	kW
Declared power input	D _C	10,16	kW
Declared COP	COP _C	1,69	

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

Declared cooling capacity	P _D	20,3	kW
Declared power input	D _D	9,93	kW
Declared COP	COP _D	2,04	

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/6HE-28Y

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	75239	kWh/a
Seasonal Energy Performance Ratio	SEPR	1,95	

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

Rated cooling capacity	P _A	19,67	kW
Rated power input	D _A	13,42	kW
Rated COP	COP _A	1,47	

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

Declared cooling capacity	P _B	22,4	kW
Declared power input	D _B	13,28	kW
Declared COP	COP _B	1,69	

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

Declared cooling capacity	P _C	26,3	kW
Declared power input	D _C	12,85	kW
Declared COP	COP _C	2,05	

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

Declared cooling capacity	P _D	30,3	kW
Declared power input	D _D	12,19	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	15,41	kW
Declared power input	D _E	13,32	kW
Declared COP	COP _E	1,16	

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/6HE-28Y

Refrigerant: R448A

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	64719	kWh/a
Seasonal Energy Performance Ratio	SEPR	1,79	

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

Rated cooling capacity	P _A	15,56	kW
Rated power input	D _A	11,50	kW
Rated COP	COP _A	1,35	

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

Declared cooling capacity	P _B	17,76	kW
Declared power input	D _B	11,35	kW
Declared COP	COP _B	1,56	

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

Declared cooling capacity	P _C	20,9	kW
Declared power input	D _C	11,03	kW
Declared COP	COP _C	1,89	

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

Declared cooling capacity	P _D	24,0	kW
Declared power input	D _D	10,58	kW
Declared COP	COP _D	2,27	

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/6HE-28Y

Refrigerant: R449A

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	64688	kWh/a
Seasonal Energy Performance Ratio	SEPR	1,79	

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

Rated cooling capacity	P _A	15,54	kW
Rated power input	D _A	11,50	kW
Rated COP	COP _A	1,35	

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

Declared cooling capacity	P _B	17,75	kW
Declared power input	D _B	11,35	kW
Declared COP	COP _B	1,56	

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

Declared cooling capacity	P _C	20,9	kW
Declared power input	D _C	11,03	kW
Declared COP	COP _C	1,89	

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

Declared cooling capacity	P _D	24,0	kW
Declared power input	D _D	10,58	kW
Declared COP	COP _D	2,27	

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/6HE-28Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	58601		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	29,7		kW
Rated power input	D _A	12,47		kW
Rated COP	COP_A	2,38		

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

Declared cooling capacity	P _B	32,5		kW
Declared power input	D _B	11,89		kW
Declared COP	COP_B	2,73		

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

Declared cooling capacity	P _C	36,3		kW
Declared power input	D _C	10,90		kW
Declared COP	COP_C	3,33		

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

Declared cooling capacity	P _D	40,0		kW
Declared power input	D _D	9,77		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	25,2		kW
Declared power input	D _E	13,16		kW
Declared COP	COP_E	1,92		

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/6HE-28Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	71109		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,00		

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

Rated cooling capacity	P _A	34,8		kW
Rated power input	D _A	15,04		kW
Rated COP	COP_A	2,31		

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

Declared cooling capacity	P _B	38,2		kW
Declared power input	D _B	14,42		kW
Declared COP	COP_B	2,65		

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

Declared cooling capacity	P _C	43,0		kW
Declared power input	D _C	13,33		kW
Declared COP	COP_C	3,23		

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

Declared cooling capacity	P _D	47,5		kW
Declared power input	D _D	12,06		kW
Declared COP	COP_D	3,94		

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

Declared cooling capacity	P _E	29,2		kW
Declared power input	D _E	15,76		kW
Declared COP	COP_E	1,85		

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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* 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/6HE-28Y

Refrigerant: R1234yf

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	69267		kWh/a
Seasonal Energy Performance Ratio	SEPR	2,96		

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

Rated cooling capacity	P _A	33,4		kW
Rated power input	D _A	14,79		kW
Rated COP	COP_A	2,26		

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

Declared cooling capacity	P _B	36,8		kW
Declared power input	D _B	14,12		kW
Declared COP	COP_B	2,60		

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

Declared cooling capacity	P _C	41,4		kW
Declared power input	D _C	13,01		kW
Declared COP	COP_C	3,19		

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

Declared cooling capacity	P _D	45,9		kW
Declared power input	D _D	11,76		kW
Declared COP	COP_D	3,90		

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

Declared cooling capacity	P _E	28,0		kW
Declared power input	D _E	15,61		kW
Declared COP	COP_E	1,80		

Other items

Capacity control		—		
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		

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

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Performance Data Sheet according to EU Regulation 2015/1095

SEPR Declaration Model: LH135E/6HE-28Y

Refrigerant: R1234ze

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C
Annual electricity consumption	Q	50080		kWh/a
Seasonal Energy Performance Ratio	SEPR	3,23		

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

Rated cooling capacity	P _A	26,4		kW
Rated power input	D _A	10,63		kW
Rated COP	COP_A	2,48		

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

Declared cooling capacity	P _B	28,7		kW
Declared power input	D _B	10,11		kW
Declared COP	COP_B	2,84		

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

Declared cooling capacity	P _C	32,0		kW
Declared power input	D _C	9,24		kW
Declared COP	COP_C	3,46		

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

Declared cooling capacity	P _D	35,0		kW
Declared power input	D _D	8,27		kW
Declared COP	COP_D	4,23		

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

Declared cooling capacity	P _E	22,5		kW
Declared power input	D _E	11,27		kW
Declared COP	COP_E	2,00		

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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