



Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH33E/2HES-2Y

Refrigerant: R134a

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P _A	2,01		kW
Rated power input	D _A	0,98		kW
Rated COP	COP_A	2,04		

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	2,20		kW
Declared power input	D _B	0,93		kW
Declared COP	COP_B	2,37		

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

Declared cooling capacity	P _E	1,71		kW
Declared power input	D _E	1,06		kW
Declared COP	COP_E	1,62		

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	to _h	20°C	
Power voltage	Net	400V/50Hz	

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

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



Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH33E/2HES-2Y

Refrigerant: R404A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P _A	3,17	1,02	kW
Rated power input	D _A	1,68	0,95	kW
Rated COP	COP_A	1,89	1,07	

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	3,57	1,21	kW
Declared power input	D _B	1,60	0,97	kW
Declared COP	COP_B	2,23	1,25	

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

Declared cooling capacity	P _E	2,54	0,73	kW
Declared power input	D _E	1,78	0,91	kW
Declared COP	COP_E	1,43	0,80	

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	to _h	20°C	
Power voltage	Net	400V/50Hz	

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COP Declaration Model: LH33E/2HES-2Y

Refrigerant: R407A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P _A	3,07	0,86	kW
Rated power input	D _A	1,53	0,79	kW
Rated COP	COP_A	2,01	1,08	

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	3,40	0,99	kW
Declared power input	D _B	1,45	0,79	kW
Declared COP	COP_B	2,34	1,25	

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

Declared cooling capacity	P _E	2,56	0,65	kW
Declared power input	D _E	1,62	0,77	kW
Declared COP	COP_E	1,58	0,84	

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	to _h	20°C	
Power voltage	Net	400V/50Hz	

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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH33E/2HES-2Y

Refrigerant: R407C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P _A	3,07		kW
Rated power input	D _A	1,51		kW
Rated COP	COP_A	2,04		

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	3,36		kW
Declared power input	D _B	1,43		kW
Declared COP	COP_B	2,36		

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

Declared cooling capacity	P _E	2,61		kW
Declared power input	D _E	1,61		kW
Declared COP	COP_E	1,62		

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	

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COP Declaration Model: LH33E/2HES-2Y

Refrigerant: R407F

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P _A	3,24	0,92	kW
Rated power input	D _A	1,62	0,83	kW
Rated COP	COP_A	2,00	1,10	

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	3,58	1,06	kW
Declared power input	D _B	1,54	0,83	kW
Declared COP	COP_B	2,32	1,27	

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

Declared cooling capacity	P _E	2,73	0,70	kW
Declared power input	D _E	1,72	0,81	kW
Declared COP	COP_E	1,58	0,86	

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	to _h	20°C	
Power voltage	Net	400V/50Hz	

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COP Declaration Model: LH33E/2HES-2Y

Refrigerant: R454C

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P _A	2,57	0,67	kW
Rated power input	D _A	1,35	0,71	kW
Rated COP	COP_A	1,90	0,94	

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	2,89	0,78	kW
Declared power input	D _B	1,31	0,72	kW
Declared COP	COP_B	2,21	1,08	

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

Declared cooling capacity	P _E	2,05	0,44	kW
Declared power input	D _E	1,43	0,71	kW
Declared COP	COP_E	1,43	0,62	

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	

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COP Declaration Model: LH33E/2HES-2Y

Refrigerant: R455A

Condensing unit with the selected refrigerant at low temperature application (LT) 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	-10	°C

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

Rated cooling capacity	P _A	2,44	kW
Rated power input	D _A	1,48	kW
Rated COP	COP_A	1,65	

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	2,79	kW
Declared power input	D _B	1,42	kW
Declared COP	COP_B	1,97	

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	

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COP Declaration Model: LH33E/2HES-2Y

Refrigerant: R507A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P _A	3,24	1,08	kW
Rated power input	D _A	1,68	0,95	kW
Rated COP	COP_A	1,93	1,13	

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	3,66	1,27	kW
Declared power input	D _B	1,61	0,97	kW
Declared COP	COP_B	2,28	1,31	

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

Declared cooling capacity	P _E	2,59	0,77	kW
Declared power input	D _E	1,78	0,91	kW
Declared COP	COP_E	1,46	0,85	

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	to _h	20°C	
Power voltage	Net	400V/50Hz	

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COP Declaration Model: LH33E/2HES-2Y

Refrigerant: R448A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P _A	2,88	0,76	kW
Rated power input	D _A	1,50	0,78	kW
Rated COP	COP_A	1,92	0,98	

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	3,24	0,89	kW
Declared power input	D _B	1,45	0,79	kW
Declared COP	COP_B	2,24	1,13	

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

Declared cooling capacity	P _E	2,32	0,50	kW
Declared power input	D _E	1,61	0,77	kW
Declared COP	COP_E	1,44	0,65	

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	to _h	20°C	
Power voltage	Net	400V/50Hz	

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COP Declaration Model: LH33E/2HES-2Y

Refrigerant: R449A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P _A	2,87	0,76	kW
Rated power input	D _A	1,50	0,78	kW
Rated COP	COP_A	1,91	0,98	

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	3,23	0,89	kW
Declared power input	D _B	1,45	0,79	kW
Declared COP	COP_B	2,23	1,13	

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

Declared cooling capacity	P _E	2,31	0,51	kW
Declared power input	D _E	1,61	0,77	kW
Declared COP	COP_E	1,43	0,66	

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	to _h	20°C	
Power voltage	Net	400V/50Hz	

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COP Declaration Model: LH33E/2HES-2Y

Refrigerant: R450A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P _A	1,76		kW
Rated power input	D _A	0,90		kW
Rated COP	COP_A	1,96		

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	1,93		kW
Declared power input	D _B	0,85		kW
Declared COP	COP_B	2,27		

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

Declared cooling capacity	P _E	1,50		kW
Declared power input	D _E	0,96		kW
Declared COP	COP_E	1,56		

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	

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COP Declaration Model: LH33E/2HES-2Y

Refrigerant: R513A

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P _A	2,11		kW
Rated power input	D _A	1,03		kW
Rated COP	COP_A	2,04		

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	2,32		kW
Declared power input	D _B	0,98		kW
Declared COP	COP_B	2,37		

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

Declared cooling capacity	P _E	1,79		kW
Declared power input	D _E	1,11		kW
Declared COP	COP_E	1,61		

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	to _h	20°C	
Power voltage	Net	400V/50Hz	

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COP Declaration Model: LH33E/2HES-2Y

Refrigerant: R1234yf

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P _A	2,04		kW
Rated power input	D _A	1,00		kW
Rated COP	COP_A	2,03		

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	2,24		kW
Declared power input	D _B	0,95		kW
Declared COP	COP_B	2,37		

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

Declared cooling capacity	P _E	1,72		kW
Declared power input	D _E	1,08		kW
Declared COP	COP_E	1,59		

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	to _h	20°C	
Power voltage	Net	400V/50Hz	

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Refrigerant: R1234ze

Item	Symbol*	Value		Unit
Evaporating temperature	t	-10	-35	°C

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

Rated cooling capacity	P _A	1,54		kW
Rated power input	D _A	0,80		kW
Rated COP	COP_A	1,93		

Point B: Parameters at part load and ambient temperature 25°C (information only)

Declared cooling capacity	P _B	1,70		kW
Declared power input	D _B	0,76		kW
Declared COP	COP_B	2,24		

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

Declared cooling capacity	P _E	1,30		kW
Declared power input	D _E	0,85		kW
Declared COP	COP_E	1,53		

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	20°C	
Power voltage	Net	400V/50Hz	

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