



Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH33E/2KES-05Y

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	1,18		kW
Rated power input	D _A	0,62		kW
Rated COP	COP_A	1,89		

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

Declared cooling capacity	P _B	1,31		kW
Declared power input	D _B	0,58		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	1,00		kW
Declared power input	D _E	0,68		kW
Declared COP	COP_E	1,47		

Other items

Capacity control	—		
Reference temperature	Dew point temp.		
Suction gas temperature	toh	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/2KES-05Y

Refrigerant: R404A

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	2,00	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	2,28	kW
Declared power input	D _B	0,93	kW
Declared COP	COP_B	2,46	

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

Declared cooling capacity	P _E	1,58	kW
Declared power input	D _E	1,06	kW
Declared COP	COP_E	1,49	

Other items

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

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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH33E/2KES-05Y

Refrigerant: R407A

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	1,94	kW
Rated power input	D _A	0,93	kW
Rated COP	COP_A	2,09	

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

Declared cooling capacity	P _B	2,16	kW
Declared power input	D _B	0,88	kW
Declared COP	COP_B	2,45	

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

Declared cooling capacity	P _E	1,59	kW
Declared power input	D _E	0,97	kW
Declared COP	COP_E	1,64	

Other items

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

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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH33E/2KES-05Y

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	1,94		kW
Rated power input	D _A	0,92		kW
Rated COP	COP_A	2,11		

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

Declared cooling capacity	P _B	2,14		kW
Declared power input	D _B	0,87		kW
Declared COP	COP_B	2,45		

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

Declared cooling capacity	P _E	1,62		kW
Declared power input	D _E	0,97		kW
Declared COP	COP_E	1,67		

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/2KES-05Y

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	2,05	0,48	kW
Rated power input	D _A	0,98	0,51	kW
Rated COP	COP_A	2,10	0,96	

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

Declared cooling capacity	P _B	2,28	0,58	kW
Declared power input	D _B	0,93	0,52	kW
Declared COP	COP_B	2,45	1,12	

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

Declared cooling capacity	P _E	1,69	0,33	kW
Declared power input	D _E	1,02	0,47	kW
Declared COP	COP_E	1,65	0,71	

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/2KES-05Y

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	1,62	0,33	kW
Rated power input	D _A	0,84	0,44	kW
Rated COP	COP_A	1,94	0,76	

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

Declared cooling capacity	P _B	1,83	0,41	kW
Declared power input	D _B	0,82	0,45	kW
Declared COP	COP_B	2,25	0,90	

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

Declared cooling capacity	P _E	1,27	0,19	kW
Declared power input	D _E	0,86	0,39	kW
Declared COP	COP_E	1,48	0,48	

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/2KES-05Y

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	1,54	kW
Rated power input	D _A	0,89	kW
Rated COP	COP_A	1,72	

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

Declared cooling capacity	P _B	1,78	kW
Declared power input	D _B	0,87	kW
Declared COP	COP_B	2,04	

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

Declared cooling capacity	P _E	1,18	kW
Declared power input	D _E	0,93	kW
Declared COP	COP_E	1,28	

Other items

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

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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH33E/2KES-05Y

Refrigerant: R507A

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	2,05	kW
Rated power input	D _A	0,98	kW
Rated COP	COP_A	2,09	

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

Declared cooling capacity	P _B	2,35	kW
Declared power input	D _B	0,93	kW
Declared COP	COP_B	2,52	

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

Declared cooling capacity	P _E	1,62	kW
Declared power input	D _E	1,06	kW
Declared COP	COP_E	1,52	

Other items

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

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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH33E/2KES-05Y

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	1,84	0,40	kW
Rated power input	D _A	0,92	0,47	kW
Rated COP	COP_A	2,00	0,83	

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

Declared cooling capacity	P _B	2,07	0,48	kW
Declared power input	D _B	0,89	0,49	kW
Declared COP	COP_B	2,32	0,97	

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

Declared cooling capacity	P _E	1,45	0,23	kW
Declared power input	D _E	0,95	0,42	kW
Declared COP	COP_E	1,52	0,54	

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/2KES-05Y

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	1,83	0,40	kW
Rated power input	D _A	0,92	0,47	kW
Rated COP	COP_A	1,99	0,84	

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

Declared cooling capacity	P _B	2,07	0,48	kW
Declared power input	D _B	0,89	0,49	kW
Declared COP	COP_B	2,32	0,97	

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

Declared cooling capacity	P _E	1,44	0,23	kW
Declared power input	D _E	0,95	0,42	kW
Declared COP	COP_E	1,52	0,54	

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/2KES-05Y

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	1,03		kW
Rated power input	D _A	0,57		kW
Rated COP	COP_A	1,82		

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

Declared cooling capacity	P _B	1,15		kW
Declared power input	D _B	0,53		kW
Declared COP	COP_B	2,14		

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

Declared cooling capacity	P _E	0,87		kW
Declared power input	D _E	0,61		kW
Declared COP	COP_E	1,42		

Other items

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

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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH33E/2KES-05Y

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	1,26		kW
Rated power input	D _A	0,65		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	1,40		kW
Declared power input	D _B	0,61		kW
Declared COP	COP_B	2,28		

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

Declared cooling capacity	P _E	1,06		kW
Declared power input	D _E	0,71		kW
Declared COP	COP_E	1,49		

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/2KES-05Y

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	1,22		kW
Rated power input	D _A	0,64		kW
Rated COP	COP_A	1,91		

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

Declared cooling capacity	P _B	1,36		kW
Declared power input	D _B	0,60		kW
Declared COP	COP_B	2,26		

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

Declared cooling capacity	P _E	1,02		kW
Declared power input	D _E	0,70		kW
Declared COP	COP_E	1,46		

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/2KES-05Y

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	0,88		kW
Rated power input	D _A	0,50		kW
Rated COP	COP_A	1,75		

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

Declared cooling capacity	P _B	0,99		kW
Declared power input	D _B	0,48		kW
Declared COP	COP_B	2,07		

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

Declared cooling capacity	P _E	0,72		kW
Declared power input	D _E	0,54		kW
Declared COP	COP_E	1,34		

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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