



Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH33E/2GES-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	2,33		kW
Rated power input	D _A	1,14		kW
Rated COP	COP_A	2,06		

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

Declared cooling capacity	P _B	2,54		kW
Declared power input	D _B	1,08		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	2,01		kW
Declared power input	D _E	1,21		kW
Declared COP	COP_E	1,66		

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/2GES-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	3,51	1,21	kW
Rated power input	D _A	1,99	1,10	kW
Rated COP	COP_A	1,76	1,09	

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

Declared cooling capacity	P _B	3,96	1,41	kW
Declared power input	D _B	1,89	1,10	kW
Declared COP	COP_B	2,09	1,28	

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

Declared cooling capacity	P _E	2,83	0,90	kW
Declared power input	D _E	2,16	1,10	kW
Declared COP	COP_E	1,31	0,82	

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/2GES-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	3,50	1,02	kW
Rated power input	D _A	1,81	0,91	kW
Rated COP	COP_A	1,94	1,12	

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

Declared cooling capacity	P _B	3,87	1,17	kW
Declared power input	D _B	1,72	0,90	kW
Declared COP	COP_B	2,25	1,30	

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

Declared cooling capacity	P _E	2,92	0,79	kW
Declared power input	D _E	1,92	0,89	kW
Declared COP	COP_E	1,52	0,88	

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/2GES-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	3,51		kW
Rated power input	D _A	1,78		kW
Rated COP	COP_A	1,97		

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

Declared cooling capacity	P _B	3,84		kW
Declared power input	D _B	1,68		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	2,97		kW
Declared power input	D _E	1,90		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/2GES-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	3,70	1,09	kW
Rated power input	D _A	1,93	0,95	kW
Rated COP	COP_A	1,92	1,14	

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

Declared cooling capacity	P _B	4,07	1,24	kW
Declared power input	D _B	1,83	0,95	kW
Declared COP	COP_B	2,23	1,31	

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

Declared cooling capacity	P _E	3,11	0,85	kW
Declared power input	D _E	2,06	0,94	kW
Declared COP	COP_E	1,51	0,90	

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/2GES-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	2,93	0,79	kW
Rated power input	D _A	1,59	0,81	kW
Rated COP	COP_A	1,84	0,98	

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

Declared cooling capacity	P _B	3,30	0,92	kW
Declared power input	D _B	1,53	0,82	kW
Declared COP	COP_B	2,15	1,13	

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

Declared cooling capacity	P _E	2,34	0,53	kW
Declared power input	D _E	1,70	0,82	kW
Declared COP	COP_E	1,38	0,64	

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/2GES-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	2,77	kW
Rated power input	D _A	1,76	kW
Rated COP	COP_A	1,58	

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

Declared cooling capacity	P _B	3,17	kW
Declared power input	D _B	1,68	kW
Declared COP	COP_B	1,89	

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/2GES-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	3,59	1,26	kW
Rated power input	D _A	2,00	1,10	kW
Rated COP	COP_A	1,80	1,15	

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

Declared cooling capacity	P _B	4,05	1,47	kW
Declared power input	D _B	1,89	1,10	kW
Declared COP	COP_B	2,14	1,34	

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

Declared cooling capacity	P _E	2,88	0,95	kW
Declared power input	D _E	2,16	1,10	kW
Declared COP	COP_E	1,33	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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Performance Data Sheet according to EU Regulation 2015/1095

COP Declaration Model: LH33E/2GES-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	3,27	0,90	kW
Rated power input	D _A	1,78	0,89	kW
Rated COP	COP_A	1,84	1,02	

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

Declared cooling capacity	P _B	3,68	1,05	kW
Declared power input	D _B	1,71	0,89	kW
Declared COP	COP_B	2,16	1,18	

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

Declared cooling capacity	P _E	2,64	0,60	kW
Declared power input	D _E	1,93	0,90	kW
Declared COP	COP_E	1,37	0,67	

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/2GES-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	3,26	0,90	kW
Rated power input	D _A	1,78	0,89	kW
Rated COP	COP_A	1,83	1,02	

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

Declared cooling capacity	P _B	3,67	1,05	kW
Declared power input	D _B	1,71	0,89	kW
Declared COP	COP_B	2,15	1,18	

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

Declared cooling capacity	P _E	2,63	0,60	kW
Declared power input	D _E	1,93	0,90	kW
Declared COP	COP_E	1,36	0,67	

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/2GES-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	2,05		kW
Rated power input	D _A	1,04		kW
Rated COP	COP_A	1,98		

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	0,98		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	1,76		kW
Declared power input	D _E	1,10		kW
Declared COP	COP_E	1,60		

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/2GES-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	2,45		kW
Rated power input	D _A	1,20		kW
Rated COP	COP_A	2,05		

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

Declared cooling capacity	P _B	2,68		kW
Declared power input	D _B	1,14		kW
Declared COP	COP_B	2,35		

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

Declared cooling capacity	P _E	2,09		kW
Declared power input	D _E	1,28		kW
Declared COP	COP_E	1,64		

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/2GES-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	2,36		kW
Rated power input	D _A	1,16		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	2,58		kW
Declared power input	D _B	1,10		kW
Declared COP	COP_B	2,35		

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

Declared cooling capacity	P _E	2,01		kW
Declared power input	D _E	1,25		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/2GES-2Y

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	1,79		kW
Rated power input	D _A	0,92		kW
Rated COP	COP_A	1,95		

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

Declared cooling capacity	P _B	1,96		kW
Declared power input	D _B	0,87		kW
Declared COP	COP_B	2,25		

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

Declared cooling capacity	P _E	1,53		kW
Declared power input	D _E	0,98		kW
Declared COP	COP_E	1,57		

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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