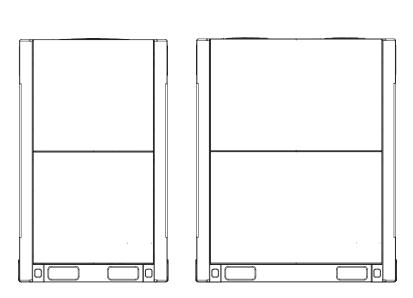
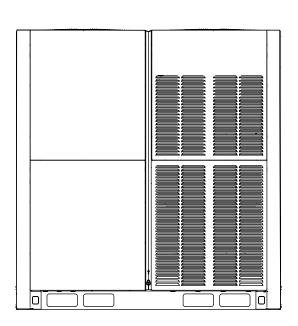


# e-Lite DC INVERTER V6i

Information Requirements





## Information requirements for air-to-air conditioners

Model(s): LV-SO252-I4M; Test matching indoor units form, Duct: 2×LV-DH56-2DC+2×LV-DH71-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	25.2	kW		Seasonal space cooling energy efficiency	η <sub>s,c</sub>	222.2	%
Declared cooling capaci T <sub>j</sub> and in		oad at given ℃ (dry/wet b	•		Declared energy efficiency rate energy factor for part load			
T <sub>j</sub> =+35℃	P <sub>dc</sub>	25.2	kW		T <sub>j</sub> =+35℃	EER <sub>d</sub>	3.48	
T <sub>j</sub> =+30℃	P <sub>dc</sub>	17.277	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	4.61	
T <sub>j</sub> =+25℃	P <sub>dc</sub>	11.507	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	6.46	
T <sub>j</sub> =+20℃	P <sub>dc</sub>	6.688	kW		T <sub>j</sub> =+20℃	EER <sub>d</sub>	11.41	
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	-					
		F	Power consumption in	modes ot	her than "active mode"			
Off mode	P <sub>OFF</sub>	0.064	kW		Crankcase heater mode	P <sub>CK</sub>	0.064	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	$P_{SB}$	0.064	kW
			C	ther item				
Capacity control		varia	ible		For air-to-air air conditioner:air flow rate,outdoor measured	_	10500	m³/h
Sound power level,outdoor	L <sub>WA</sub>	78	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					

Contact details

(\*)If Cdc is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for heat pumps

Model(s): LV-SO252-I4M;

Test matching indoor units form, Duct: 2×LV-DH56-2DC+2×LV-DH71-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasoms are optional

Parameters shall be decl	ared for the	average hea	ting season,parameter	s for the v	warmer and colder heating seas	oms are optional		
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P <sub>rated,h</sub>	25.2	kW		Seasonal space heating energy efficiency	ηs,h	134.2	%
Declared heating capac		oad at indoor peratures T <sub>j</sub>	teperature 20°C and		Declared coefficient o efficiency/auxiliary energy tem			
T <sub>j</sub> =- <b>7</b> ℃	P <sub>dh</sub>	17.176	kW		T <sub>j</sub> =-7℃	COP <sub>d</sub>	2.32	
T <sub>j</sub> =+2℃	P <sub>dh</sub>	11.706	kW		T <sub>j</sub> =+2℃	COP <sub>d</sub>	3.40	
T <sub>j</sub> =+ <b>7</b> °C	P <sub>dh</sub>	7.071	kW		T <sub>j</sub> =+ <b>7</b> ℃	COP <sub>d</sub>	4.50	
T <sub>j</sub> =+12℃	P <sub>dh</sub>	4.381	kW		T <sub>j</sub> =+12℃	COP <sub>d</sub>	5.15	
T <sub>biv</sub> =bivalent temperature	P <sub>dh</sub>	17.176	kW		T <sub>biv</sub> =bivalent temperature	COP <sub>d</sub>	2.32	
T <sub>OL</sub> =operation temperature	P <sub>dh</sub>	19.313	kW		T <sub>OL</sub> =operation temperature	COP <sub>d</sub>	1.89	
Bivalent temperature	T <sub>biv</sub>	-7	℃					
Degradation co-efficient for heat pumps(**)	C <sub>dh</sub>	0.25	_					
Power consumption in me	odes other	than "active n	node"		Supple	ementary heater		
Off mode	P <sub>OFF</sub>	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P <sub>TO</sub>	0.064	kW		Type of energy input		•	
Crankcase heater mode	P <sub>CK</sub>	0.124	kW		Standby mode	P <sub>SB</sub>	0.064	kW
			C	ther item	S			
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	_	10500	m³/h
Sound power level,outdoor	L <sub>WA</sub>	78	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
Contact details								

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(\*\*)If  $C_{dh}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



#### Information requirements for air-to-air conditioners

Model(s): LV-SO280-I4M;

Test matching indoor units form, Duct: 4×LV-DH71-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

	•							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	28	kW		Seasonal space cooling energy efficiency	η <sub>s,c</sub>	220.6	%
Declared cooling capaci T <sub>j</sub> and in		oad at given ℃ (dry/wet l			Declared energy efficiency ra energy factor for part load			
T <sub>j</sub> =+35℃	P <sub>dc</sub>	28	kW		T <sub>j</sub> =+35℃	EER <sub>d</sub>	3.26	
T <sub>j</sub> =+30℃	P <sub>dc</sub>	19.137	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	4.44	
T <sub>j</sub> =+25℃	P <sub>dc</sub>	13.246	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	6.40	
T <sub>j</sub> =+20℃	P <sub>dc</sub>	6.688	kW		T <sub>j</sub> =+20℃	EER <sub>d</sub>	11.41	
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	_					
	•	·	Power consumption in	modes of	ther than "active mode"			
Off mode	P <sub>OFF</sub>	0.064	kW		Crankcase heater mode	P <sub>CK</sub>	0.064	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	P <sub>SB</sub>	0.064	kW
			C	Other item	ns			
Capacity control		varia	able		For air-to-air air conditioner:air flow rate,outdoor measured	_	10500	m³/h
Sound power level,outdoor	L <sub>WA</sub>	78	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)			· · · · · · · · · · · · · · · · · · ·		
	•			•			•	

Contact details

(\*)If C<sub>dc</sub> is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for heat pumps

Model(s): LV-SO280-I4M;

Test matching indoor units form, Duct: 4×LV-DH71-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasoms are optional

Parameters shall be declar	ared for the	average hea	ting season,parameter	s for the v	warmer and colder heating seas	oms are optional		
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P <sub>rated,h</sub>	28	kW		Seasonal space heating energy efficiency	η <sub>s,h</sub>	134.2	%
Declared heating capac	ity for part I utdoor temp	oad at indoor peratures T <sub>j</sub>	teperature 20°C and		Declared coefficient o efficiency/auxiliary energy tem			
T <sub>j</sub> =-7℃	P <sub>dh</sub>	17.176	kW		T <sub>j</sub> =-7℃	COP <sub>d</sub>	2.32	
T <sub>j</sub> =+2°C	P <sub>dh</sub>	11.706	kW		T <sub>j</sub> =+2℃	COP <sub>d</sub>	3.40	1
T <sub>j</sub> =+ <b>7</b> °C	P <sub>dh</sub>	7.071	kW		T <sub>j</sub> =+ <b>7</b> ℃	COP <sub>d</sub>	4.50	1
T <sub>j</sub> =+12℃	P <sub>dh</sub>	4.381	kW		T <sub>j</sub> =+12℃	COP <sub>d</sub>	5.15	
T <sub>biv</sub> =bivalent temperature	P <sub>dh</sub>	17.176	kW		T <sub>biv</sub> =bivalent temperature	COP <sub>d</sub>	2.32	
T <sub>OL</sub> =operation temperature	P <sub>dh</sub>	19.313	kW		T <sub>OL</sub> =operation temperature	COP <sub>d</sub>	1.89	
Bivalent temperature	T <sub>biv</sub>	-7	℃					
Degradation co-efficient for heat pumps(**)	C <sub>dh</sub>	0.25	_					
Power consumption in mo	odes other	than "active n	node"		Supple	ementary heater		
Off mode	P <sub>OFF</sub>	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P <sub>TO</sub>	0.064	kW		Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.124	kW		Standby mode	P <sub>SB</sub>	0.064	kW
			C	ther item	S			
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	_	10500	m <sup>3</sup> /h
Sound power level,outdoor	LWA	78	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
Contact details								

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(\*\*)If  $C_{dh}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for air-to-air conditioners

Model(s): LV-SO335-I4M; Test matching indoor units form, Duct: 6×LV-DH56-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

	•							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	33.5	kW		Seasonal space cooling energy efficiency	η <sub>s,c</sub>	203.8	%
Declared cooling capaci T <sub>j</sub> and in		oad at given ℃ (dry/wet l			Declared energy efficiency ra energy factor for part load			
T <sub>j</sub> =+35℃	P <sub>dc</sub>	33.5	kW		T <sub>j</sub> =+35℃	EER <sub>d</sub>	2.57	
T <sub>j</sub> =+30°C	P <sub>dc</sub>	23.276	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	4.07	
T <sub>j</sub> =+25℃	P <sub>dc</sub>	15.186	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	6.65	
T <sub>j</sub> =+20℃	P <sub>dc</sub>	8.719	kW		T <sub>j</sub> =+20℃	EERd	8.62	
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	_					
	•	ı	Power consumption in	modes of	ther than "active mode"			
Off mode	Poff	0.064	kW		Crankcase heater mode	P <sub>CK</sub>	0.064	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	P <sub>SB</sub>	0.064	kW
			C	Other item	ns			
Capacity control		varia	able		For air-to-air air conditioner:air flow rate,outdoor measured	_	11000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	81	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
-	•							

Contact details

(\*)If C<sub>dc</sub> is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for heat pumps

Model(s): LV-SO335-I4M;

Test matching indoor units form, Duct: 6×LV-DH56-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasoms are optional

Parameters shall be declar	ared for the	average hea	iting season,parameter	s for the v	warmer and colder heating seas	oms are optional		
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P <sub>rated,h</sub>	33.5	kW		Seasonal space heating energy efficiency	ηs,h	133.4	%
Declared heating capac		oad at indoor peratures T <sub>j</sub>	teperature 20°C and		Declared coefficient o efficiency/auxiliary energy tem			
T <sub>j</sub> =- <b>7</b> ℃	P <sub>dh</sub>	17.346	kW		T <sub>j</sub> =-7°C	COP <sub>d</sub>	2.44	
T <sub>j</sub> =+2℃	P <sub>dh</sub>	10.544	kW		T <sub>j</sub> =+2℃	COP <sub>d</sub>	3.24	
T <sub>j</sub> =+ <b>7</b> ℃	P <sub>dh</sub>	7.080	kW		T <sub>j</sub> =+7℃	COP <sub>d</sub>	4.49	
T <sub>j</sub> =+12℃	P <sub>dh</sub>	5.589	kW		T <sub>j</sub> =+12℃	COP <sub>d</sub>	4.99	
T <sub>biv</sub> =bivalent temperature	P <sub>dh</sub>	17.346	kW		T <sub>biv</sub> =bivalent temperature	COP <sub>d</sub>	2.44	
T <sub>OL</sub> =operation temperature	P <sub>dh</sub>	19.730	kW		T <sub>OL</sub> =operation temperature	COP <sub>d</sub>	2.34	
Bivalent temperature	T <sub>biv</sub>	-7	℃					
Degradation co-efficient for heat pumps(**)	C <sub>dh</sub>	0.25	_					
Power consumption in mo	odes other	than "active n	node"		Supple	ementary heater		
Off mode	P <sub>OFF</sub>	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P <sub>TO</sub>	0.064	kW		Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.124	kW		Standby mode	P <sub>SB</sub>	0.064	kW
			C	Other item	S			
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	_	11000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	81	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
Contact details								

(\*)

(\*\*)If  $C_{dh}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for air-to-air conditioners

Model(s): LV-SO400-I4M:

Test matching indoor units form, Duct: 2×LV-DH56-2DC+4×LV-DH71-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

''	•							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	40	kW		Seasonal space cooling energy efficiency	η <sub>s,c</sub>	196.2	%
Declared cooling capaci T <sub>j</sub> and in		oad at given ℃ (dry/wet t	·		Declared energy efficiency rate energy factor for part load			
T <sub>j</sub> =+35℃	P <sub>dc</sub>	40	kW		T <sub>j</sub> =+35℃	EER <sub>d</sub>	2.65	
T <sub>j</sub> =+30°C	P <sub>dc</sub>	29.504	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	4.11	
T <sub>j</sub> =+25℃	P <sub>dc</sub>	18.187	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	5.58	
T <sub>j</sub> =+20℃	P <sub>dc</sub>	9.939	kW		T <sub>j</sub> =+20℃	EER <sub>d</sub>	8.91	
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	_					
		ſ	Power consumption in I	modes of	her than "active mode"			
Off mode	P <sub>OFF</sub>	0.064	kW		Crankcase heater mode	P <sub>CK</sub>	0.064	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	$P_{SB}$	0.064	kW
			C	ther item	IS			
Capacity control		varia	able		For air-to-air air conditioner:air flow rate,outdoor measured	_	13000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	85	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
			1	1	<u> </u>			

Contact details

(\*)If Cdc is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for heat pumps

Model(s): LV-SO400-I4M;

Test matching indoor units form, Duct: 2×LV-DH56-2DC+4×LV-DH71-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasoms are optional

Parameters shall be decl	ared for the	average hea	iting season,parameter	s for the v	varmer and colder heating seas	oms are optional		
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P <sub>rated,h</sub>	40	kW		Seasonal space heating energy efficiency	η <sub>s,h</sub>	137.8	%
Declared heating capac		oad at indoor peratures T <sub>j</sub>	teperature 20°C and		Declared coefficient o efficiency/auxiliary energy tem			
T <sub>j</sub> =-7°C	P <sub>dh</sub>	25.931	kW		T <sub>j</sub> =-7℃	COP <sub>d</sub>	2.54	
T <sub>j</sub> =+2°C	P <sub>dh</sub>	15.791	kW		T <sub>j</sub> =+2℃	COP <sub>d</sub>	3.30	
T <sub>j</sub> =+7°C	P <sub>dh</sub>	10.318	kW		T <sub>j</sub> =+7°C	COP <sub>d</sub>	4.66	
T <sub>j</sub> =+12℃	P <sub>dh</sub>	9.548	kW		T <sub>j</sub> =+12℃	COP <sub>d</sub>	5.49	
T <sub>biv</sub> =bivalent temperature	P <sub>dh</sub>	25.931	kW		T <sub>biv</sub> =bivalent temperature	COP <sub>d</sub>	2.54	
T <sub>OL</sub> =operation temperature	P <sub>dh</sub>	29.325	kW		T <sub>OL</sub> =operation temperature	COP <sub>d</sub>	2.14	
Bivalent temperature	T <sub>biv</sub>	-7	°C					
Degradation co-efficient for heat pumps(**)	C <sub>dh</sub>	0.25	_					
Power consumption in me	odes other	than "active r	node"		Supple	ementary heater		
Off mode	P <sub>OFF</sub>	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P <sub>TO</sub>	0.064	kW		Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.124	kW		Standby mode	P <sub>SB</sub>	0.064	kW
			C	ther item	S			
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	_	13000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	85	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
Contact details								

(\*)

(\*\*)If  $C_{dh}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for air-to-air conditioners

Model(s): LV-SO450-I4M:

Test matching indoor units form, Duct: 4×LV-DH71-2DC+2×LV-DH80-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	45	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	193.0	%
Declared cooling capaci T <sub>j</sub> and in		oad at given ℃ (dry/wet b			Declared energy efficiency ra energy factor for part load	tio or gas utilisation d at given outdoor	n efficiency temperatur	/auxiliary es T <sub>j</sub>
T <sub>j</sub> =+35℃	P <sub>dc</sub>	45	kW		T <sub>j</sub> =+35℃	EER <sub>d</sub>	2.40	
T <sub>j</sub> =+30℃	P <sub>dc</sub>	31.412	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	3.70	
T <sub>j</sub> =+25℃	P <sub>dc</sub>	20.145	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	5.83	
T <sub>j</sub> =+20℃	P <sub>dc</sub>	9.939	kW		T <sub>j</sub> =+20℃	EER <sub>d</sub>	8.91	
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	_					
		F	Power consumption in	modes of	her than "active mode"			
Off mode	Poff	0.064	kW		Crankcase heater mode	P <sub>CK</sub>	0.064	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	P <sub>SB</sub>	0.064	kW
			C	Other item	IS			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	13000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	88	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
0								

Contact details

(\*)If Cdc is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for heat pumps

Model(s): LV-SO450-I4M;

Test matching indoor units form, Duct: 4×LV-DH71-2DC+2×LV-DH80-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor

Parameters shall be declared for the average heating season parameters for the warmer and colder heating seasoms are optional

Parameters shall be decl	ared for the	e average hea	iting season,parameter	s for the v	varmer and colder heating seaso	oms are optional		
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P <sub>rated,h</sub>	45	kW		Seasonal space heating energy efficiency	η <sub>s,h</sub>	137.8	%
Declared heating capac		load at indoor peratures T <sub>j</sub>	teperature 20°C and		Declared coefficient or efficiency/auxiliary energy tem			
T <sub>j</sub> =-7℃	P <sub>dh</sub>	25.931	kW		T <sub>j</sub> =-7℃	COP <sub>d</sub>	2.54	
T <sub>j</sub> =+2°C	P <sub>dh</sub>	15.791	kW		T <sub>j</sub> =+2℃	COP <sub>d</sub>	3.30	
T <sub>j</sub> =+7°C	P <sub>dh</sub>	10.318	kW		T <sub>j</sub> =+7°C	COP <sub>d</sub>	4.66	
T <sub>j</sub> =+12℃	P <sub>dh</sub>	9.548	kW		T <sub>j</sub> =+12℃	COP <sub>d</sub>	5.49	
T <sub>biv</sub> =bivalent temperature	P <sub>dh</sub>	25.931	kW		T <sub>biv</sub> =bivalent temperature	COP <sub>d</sub>	2.54	
T <sub>OL</sub> =operation temperature	P <sub>dh</sub>	29.325	kW		T <sub>OL</sub> =operation temperature	COP <sub>d</sub>	2.14	
Bivalent temperature	T <sub>biv</sub>	-7	℃					
Degradation co-efficient for heat pumps(**)	C <sub>dh</sub>	0.25	_					
Power consumption in me	odes other	than "active r	node"		Supple	ementary heater		
Off mode	P <sub>OFF</sub>	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P <sub>TO</sub>	0.064	kW		Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.124	kW		Standby mode	P <sub>SB</sub>	0.064	kW
			C	ther item	S			
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	_	13000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	88	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
Contact details								

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(\*\*)If  $C_{dh}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for air-to-air conditioners

Model(s): LV-SO500-I4M:

Test matching indoor units form, Duct: 4×LV-DH56-2DC+4×LV-DH71-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	50	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	197.4	%
Declared cooling capaci T <sub>j</sub> and in		oad at given ℃ (dry/wet b			Declared energy efficiency rat energy factor for part load			
T <sub>j</sub> =+35℃	P <sub>dc</sub>	50	kW		T <sub>j</sub> =+35℃	EER <sub>d</sub>	2.55	
T <sub>j</sub> =+30℃	P <sub>dc</sub>	36.091	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	3.86	
T <sub>j</sub> =+25℃	P <sub>dc</sub>	22.777	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	5.89	
T <sub>j</sub> =+20℃	P <sub>dc</sub>	10.928	kW		T <sub>j</sub> =+20℃	EER <sub>d</sub>	8.50	
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	_					
		F	Power consumption in	modes of	ther than "active mode"			
Off mode	P <sub>OFF</sub>	0.064	kW		Crankcase heater mode	P <sub>CK</sub>	0.064	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	$P_{SB}$	0.064	kW
			C	Other item	ns			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	13000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	88	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
044-4-4-11-							•	

Contact details

(\*)If Cdc is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for heat pumps

Model(s): LV-SO500-I4M;

Test matching indoor units form, Duct: 4×LV-DH56-2DC+4×LV-DH71-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor

Parameters shall be decl	ared for the	average hea	iting season,parameters fo	or the warmer and colder heating seas	oms are optional		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P <sub>rated,h</sub>	50	kW	Seasonal space heating energy efficiency	η <sub>s,h</sub>	134.2	%
Declared heating capac		oad at indoor peratures T <sub>j</sub>	teperature 20°C and	Declared coefficient o efficiency/auxiliary energy tem			
T <sub>j</sub> =- <b>7</b> ℃	P <sub>dh</sub>	27.878	kW	T <sub>j</sub> =-7°C	COP <sub>d</sub>	2.46	
T <sub>j</sub> =+2℃	P <sub>dh</sub>	18.272	kW	T <sub>j</sub> =+2°C	COP <sub>d</sub>	3.18	
T <sub>j</sub> =+ <b>7</b> ℃	P <sub>dh</sub>	11.923	kW	T <sub>j</sub> =+7°C	COP <sub>d</sub>	4.64	
T <sub>j</sub> =+12℃	P <sub>dh</sub>	9.535	kW	T <sub>j</sub> =+12°C	COP <sub>d</sub>	5.43	
T <sub>biv</sub> =bivalent temperature	P <sub>dh</sub>	27.878	kW	T <sub>biv</sub> =bivalent temperature	COP <sub>d</sub>	2.46	
T <sub>OL</sub> =operation temperature	P <sub>dh</sub>	31.575	kW	T <sub>OL</sub> =operation temperature	COP <sub>d</sub>	1.95	
Bivalent temperature	T <sub>biv</sub>	-7	°C				
Degradation co-efficient for heat pumps(**)	C <sub>dh</sub>	0.25	-				
Power consumption in me	odes other	than "active r	node"	Supple	ementary heater		
Off mode	P <sub>OFF</sub>	0.064	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P <sub>TO</sub>	0.064	kW	Type of energy input		•	
Crankcase heater mode	P <sub>CK</sub>	0.124	kW	Standby mode	P <sub>SB</sub>	0.064	kW
	•		Othe	er items			
Capacity control		varia	ble	For air-to-air heat pump:air flow rate,outdoor measured	_	13000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	88	dB				
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)				
Contact details							

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(\*\*)If  $C_{dh}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for air-to-air conditioners

Model(s): LV-SO560-I4M; Test matching indoor units form, Duct: 8×LV-DH71-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	56	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	196.6	%
Declared cooling capac T <sub>j</sub> and in		oad at given ℃ (dry/wet t			Declared energy efficiency rate energy factor for part load			
T <sub>j</sub> =+35℃	P <sub>dc</sub>	56	kW		T <sub>j</sub> =+35℃	EER <sub>d</sub>	3.10	
T <sub>j</sub> =+30℃	P <sub>dc</sub>	39.039	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	3.95	
T <sub>j</sub> =+25℃	P <sub>dc</sub>	23.261	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	5.65	
T <sub>j</sub> =+20℃	P <sub>dc</sub>	11.429	kW		T <sub>j</sub> =+20℃	EER <sub>d</sub>	7.55	
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	_					
		F	Power consumption in	modes of	ther than "active mode"			
Off mode	P <sub>OFF</sub>	0.064	kW		Crankcase heater mode	Pck	0.064	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	$P_{SB}$	0.064	kW
			C	ther item	ns			
Capacity control		varia	ible		For air-to-air air conditioner:air flow rate,outdoor measured	_	17000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	88	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
0	•	•	•				•	

Contact details

(\*)If Cdc is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for heat pumps

Model(s): LV-SO560-I4M;

Test matching indoor units form, Duct: 8×LV-DH71-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor

Parameters shall be declar	ared for the	average hea	ating season,parameters for	the warmer and colder heating season	oms are optional		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P <sub>rated,h</sub>	56	kW	Seasonal space heating energy efficiency	η <sub>s,h</sub>	133.0	%
Declared heating capac		oad at indoor peratures T <sub>j</sub>	teperature 20°C and	Declared coefficient of efficiency/auxiliary energy f			
T <sub>j</sub> =-7℃	P <sub>dh</sub>	29.294	kW	T <sub>j</sub> =-7°C	COPd	2.06	
T <sub>j</sub> =+2℃	P <sub>dh</sub>	18.293	kW	T <sub>j</sub> =+2℃	COP <sub>d</sub>	3.29	
T <sub>j</sub> =+7℃	P <sub>dh</sub>	11.917	kW	T <sub>j</sub> =+7℃	COP <sub>d</sub>	4.80	
T <sub>j</sub> =+12℃	P <sub>dh</sub>	10.498	kW	T <sub>j</sub> =+12℃	COP <sub>d</sub>	5.61	
T <sub>biv</sub> =bivalent temperature	P <sub>dh</sub>	29.294	kW	T <sub>biv</sub> =bivalent temperature	COP <sub>d</sub>	2.06	
T <sub>OL</sub> =operation temperature	P <sub>dh</sub>	33.107	kW	T <sub>OL</sub> =operation temperature	COP <sub>d</sub>	1.64	
Bivalent temperature	T <sub>biv</sub>	-7	°C				
Degradation co-efficient for heat pumps(**)	C <sub>dh</sub>	0.25	_				
Power consumption in mo	odes other	than "active r	node"	Supple	mentary heater		
Off mode	P <sub>OFF</sub>	0.064	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P <sub>TO</sub>	0.064	kW	Type of energy input		•	
Crankcase heater mode	P <sub>CK</sub>	0.124	kW	Standby mode	P <sub>SB</sub>	0.064	kW
			Other	items			
Capacity control		varia	able	For air-to-air heat pump:air flow rate,outdoor measured	_	17000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	88	dB				
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)				
Contact details							
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(\*\*)If  $C_{dh}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for air-to-air conditioners

Model(s): I V-SO615-I4M:

Test matching indoor units form, Duct: 4×LV-DH71-2DC+4×LV-DH80-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

	•							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	61.5	kW		Seasonal space cooling energy efficiency	η <sub>s,c</sub>	194.2	%
Declared cooling capaci T <sub>j</sub> and in		oad at given occupant			Declared energy efficiency ra energy factor for part load			
T <sub>j</sub> =+35℃	P <sub>dc</sub>	61.5	kW		T <sub>j</sub> =+35℃	2.79		
T <sub>j</sub> =+30℃	P <sub>dc</sub>	43.022	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	3.86	
T <sub>j</sub> =+25℃	P <sub>dc</sub>	27.726	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	5.70	
T <sub>j</sub> =+20℃	P <sub>dc</sub>	12.137	kW		T <sub>j</sub> =+20℃	EER <sub>d</sub>	7.55	
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	_					
		F	Power consumption in	modes o	ther than "active mode"			
Off mode	P <sub>OFF</sub>	0.064	kW		Crankcase heater mode	P <sub>CK</sub>	0.064	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	P <sub>SB</sub>	0.064	kW
			C	Other iten	าร			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	17000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	88	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
		•	•	•				

Contact details

(\*)If  $C_{dc}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for heat pumps

Model(s): LV-SO615-I4M;

Test matching indoor units form, Duct: 4×LV-DH71-2DC+4×LV-DH80-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

	mpressor:electric motor		Silitary ficator. Ho				
If applicable:driver of com	•						
	1 1		· · · · · · · · · · · · · · · · · · ·	r the warmer and colder heating seaso		1	
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P <sub>rated,h</sub>	61.5	kW	Seasonal space heating energy efficiency	η <sub>s,h</sub>	133.0	%
Declared heating capaci oเ		oad at indoor peratures T <sub>j</sub>	teperature 20°C and	Declared coefficient of efficiency/auxiliary energy fatempt			
T <sub>j</sub> =- <b>7</b> ℃	P <sub>dh</sub>	29.294	kW	T <sub>j</sub> =-7°C	COP <sub>d</sub>	2.06	
T <sub>j</sub> =+2℃	P <sub>dh</sub>	18.293	kW	T <sub>j</sub> =+2℃	COP <sub>d</sub>	3.29	
T <sub>j</sub> =+7℃	P <sub>dh</sub>	11.917	kW	T <sub>j</sub> =+7℃	COP <sub>d</sub>	4.80	
T <sub>j</sub> =+12℃	P <sub>dh</sub>	10.498	kW	T <sub>j</sub> =+12℃	COP <sub>d</sub>	5.61	
T <sub>biv</sub> =bivalent temperature	P <sub>dh</sub>	29.294	kW	T <sub>biv</sub> =bivalent temperature	COP <sub>d</sub>	2.06	
T <sub>OL</sub> =operation temperature	P <sub>dh</sub>	33.107	kW	T <sub>OL</sub> =operation temperature	COP <sub>d</sub>	1.64	
Bivalent temperature	T <sub>biv</sub>	-7	°C				
Degradation co-efficient for heat pumps(**)	C <sub>dh</sub>	0.25	_				
Power consumption in mo	odes other t	than "active n	node"	Suppler	mentary heater		
Off mode	P <sub>OFF</sub>	0.064	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P <sub>TO</sub>	0.064	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0.124	kW	Standby mode	P <sub>SB</sub>	0.064	kW
	· · · · · · · · · · · · · · · · · · ·		Other	ritems			
Capacity control		varia	ble	For air-to-air heat pump:air flow rate,outdoor measured	_	17000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	88	dB				
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)				
Contact details							

(\*)

(\*\*)If  $C_{dh}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for air-to-air conditioners

Model(s): LV-SO670-I4M;
Test matching indoor units form, Duct: 4×LV-DH80-2DC+4×LV-DH90-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	67			Seasonal space cooling energy efficiency	η <sub>s,c</sub>	205.8	%
Declared cooling capaci T <sub>j</sub> and in		oad at given ℃ (dry/wet b			Declared energy efficiency ra energy factor for part load			
T <sub>j</sub> =+35℃	P <sub>dc</sub>	67	kW		T <sub>j</sub> =+35℃	EER <sub>d</sub>	2.41	
T <sub>j</sub> =+30°C	P <sub>dc</sub>	44.6	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	3.72	
T <sub>j</sub> =+25℃	P <sub>dc</sub>	30.31	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	6.52	
T <sub>j</sub> =+20℃	P <sub>dc</sub>	12.94	kW		T <sub>j</sub> =+20℃	EER <sub>d</sub>	9.57	
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	_					
		F	Power consumption in	modes ot	ther than "active mode"			
Off mode	P <sub>OFF</sub>	0.085	kW		Crankcase heater mode	P <sub>CK</sub>	0.085	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	$P_{SB}$	0.085	kW
			C	Other item	ns			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	-	24500	m³/h
Sound power level,outdoor	L <sub>WA</sub>	89	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
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Contact details

(\*)If  $C_{dc}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for heat pumps

Model(s): LV-SO670-I4M;

Test matching indoor units form, Duct: 4×LV-DH80-2DC+4×LV-DH90-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasoms are optional

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Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P <sub>rated,h</sub>	67	kW		Seasonal space heating energy efficiency	η <sub>s,h</sub>	133.0	%
Declared heating capac		oad at indoor peratures T <sub>j</sub>	teperature 20°C and		Declared coefficient o efficiency/auxiliary energy tem			
T <sub>j</sub> =-7°C	P <sub>dh</sub>	40.63	kW		T <sub>j</sub> =-7°C	COP <sub>d</sub>	2.31	
T <sub>j</sub> =+2℃	P <sub>dh</sub>	25.21	kW		T <sub>j</sub> =+2℃	COP <sub>d</sub>	3.14	
T <sub>j</sub> =+7°C	P <sub>dh</sub>	16.21	kW		T <sub>j</sub> =+7°C	COP <sub>d</sub>	4.83	
T <sub>j</sub> =+12℃	P <sub>dh</sub>	9.21	kW		T <sub>j</sub> =+12℃	COP <sub>d</sub>	5.05	
T <sub>biv</sub> =bivalent temperature	P <sub>dh</sub>	43.25	kW		T <sub>biv</sub> =bivalent temperature	COP <sub>d</sub>	1.90	
T <sub>OL</sub> =operation temperature	P <sub>dh</sub>	43.25	kW		T <sub>OL</sub> =operation temperature	COP <sub>d</sub>	1.90	
Bivalent temperature	T <sub>biv</sub>	-10	°C					
Degradation co-efficient for heat pumps(**)	C <sub>dh</sub>	0.25	_					
Power consumption in me	odes other	than "active n	node"		Supple	ementary heater		
Off mode	P <sub>OFF</sub>	0.085	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P <sub>TO</sub>	0.085	kW		Type of energy input		•	
Crankcase heater mode	P <sub>CK</sub>	0.085	kW		Standby mode	P <sub>SB</sub>	0.085	kW
	•		C	ther items	S			
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	_	24500	m³/h
Sound power level,outdoor	L <sub>WA</sub>	89	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
Contact details								

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(\*\*)If  $C_{dh}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for air-to-air conditioners

 $\label{eq:Model} \begin{tabular}{ll} Model(s): LV-SO730-I4M; \\ Test matching indoor units form, Duct: 8\times LV-DH90-2DC; \\ \end{tabular}$ 

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	73	kW		Seasonal space cooling energy efficiency	η <sub>s,c</sub>	201	%
Declared cooling capaci T <sub>j</sub> and in		oad at given ℃ (dry/wet b			Declared energy efficiency ra energy factor for part load			
T <sub>j</sub> =+35℃	P <sub>dc</sub>	73	kW		T <sub>j</sub> =+35℃	2.25		
T <sub>j</sub> =+30°C	P <sub>dc</sub>	48.88	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	4.21	
T <sub>j</sub> =+25℃	P <sub>dc</sub>	32.9	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	5.68	
T <sub>j</sub> =+20℃	P <sub>dc</sub>	14.13	kW		T <sub>j</sub> =+20℃	EER <sub>d</sub>	9.30	
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	_					
		F	Power consumption in	modes of	ther than "active mode"		•	
Off mode	P <sub>OFF</sub>	0.085	kW		Crankcase heater mode	P <sub>CK</sub>	0.085	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	P <sub>SB</sub>	0.085	kW
			C	ther item				
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	24500	m³/h
Sound power level,outdoor	L <sub>WA</sub>	90	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					
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Contact details

(\*)If Cdc is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for heat pumps

Model(s): LV-SO730-I4M;

Test matching indoor units form, Duct: 8×LV-DH90-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor

Parameters shall be declar	ared for the	average hea	ating season,parameters for	the warmer and colder heating seaso	oms are optional		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P <sub>rated,h</sub>	73	kW	Seasonal space heating energy efficiency	η <sub>s,h</sub>	133.0	%
Declared heating capac		oad at indoor peratures T <sub>j</sub>	teperature 20°C and	Declared coefficient of efficiency/auxiliary energy f			
T <sub>j</sub> =-7℃	P <sub>dh</sub>	40.63	kW	T <sub>j</sub> =-7℃	COPd	2.31	 I
T <sub>j</sub> =+2℃	P <sub>dh</sub>	25.21	kW	T <sub>j</sub> =+2℃	COP <sub>d</sub>	3.14	
T <sub>j</sub> =+7℃	P <sub>dh</sub>	16.21	kW	T <sub>j</sub> =+7℃	COP <sub>d</sub>	4.83	
T <sub>j</sub> =+12℃	P <sub>dh</sub>	9.21	kW	T <sub>j</sub> =+12℃	COP <sub>d</sub>	5.05	
T <sub>biv</sub> =bivalent temperature	P <sub>dh</sub>	43.25	kW	T <sub>biv</sub> =bivalent temperature	COP <sub>d</sub>	1.90	
T <sub>OL</sub> =operation temperature	P <sub>dh</sub>	43.25	kW	T <sub>OL</sub> =operation temperature	COP <sub>d</sub>	1.90	
Bivalent temperature	T <sub>biv</sub>	-10	ొ				
Degradation co-efficient for heat pumps(**)	C <sub>dh</sub>	0.25	-				
Power consumption in mo	odes other	than "active r	node"	Supple	mentary heater		
Off mode	P <sub>OFF</sub>	0.085	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P <sub>TO</sub>	0.085	kW	Type of energy input		•	
Crankcase heater mode	P <sub>CK</sub>	0.085	kW	Standby mode	P <sub>SB</sub>	0.085	kW
			Other	items		•	
Capacity control		varia	able	For air-to-air heat pump:air flow rate,outdoor measured	_	24500	m³/h
Sound power level,outdoor	L <sub>WA</sub>	90	dB				
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)				ı
Contact details							
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(\*\*)If  $C_{dh}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for air-to-air conditioners

Model(s): LV-SO785-I4M; Test matching indoor units form, Duct: 8×LV-DH100-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

	<u> </u>							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	c 78.5 kW			Seasonal space cooling energy efficiency	η <sub>s,c</sub>	195.0	%
Declared cooling capaci T <sub>j</sub> and in		oad at given o			Declared energy efficiency ra energy factor for part load			
T <sub>j</sub> =+35℃	P <sub>dc</sub>	78.5	kW		T <sub>j</sub> =+35℃	EER <sub>d</sub>	2.10	
T <sub>j</sub> =+30℃	P <sub>dc</sub>	52.42	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	4.19	
T <sub>j</sub> =+25℃	P <sub>dc</sub>	33.78	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	5.45	
T <sub>j</sub> =+20℃	P <sub>dc</sub>	15.44	kW		T <sub>j</sub> =+20℃	EERd	9.00	
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>		_					
		F	Power consumption in	modes of	ther than "active mode"			
Off mode	P <sub>OFF</sub>	0.085	kW		Crankcase heater mode	P <sub>CK</sub>	0.085	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	P <sub>SB</sub>	0.085	kW
			C	ther item	ns			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	25000	m <sup>3</sup> /h
Sound power level,outdoor	L <sub>WA</sub>	90	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					

Contact details

(\*)If  $C_{dc}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for heat pumps

Model(s): LV-SO785-I4M;

Test matching indoor units form, Duct: 8×LV-DH100-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor Parameters shall be declared for the average heating season,parameters for the warmer and colder heating seasoms are optional Item Symbol Value Unit Item Symbol Value Unit Seasonal space heating Rated heating capacity kW % P<sub>rated,h</sub>  $\eta_{\,\text{s},\text{h}}$ 78.5 133.0 energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor teperature 20 ℃ and efficiency/auxiliary energy factor for part load at given outdoor outdoor temperatures Ti temperatures T<sub>i</sub> T<sub>i</sub>=-7℃ kW  $COP_d$ T<sub>i</sub>=-7℃  $P_{dh}$ 40.63 2.31 T<sub>i</sub>=+2℃ kW T<sub>i</sub>=+2℃  $P_{dh}$ COPd 25.21 3.14 T<sub>j</sub>=+7℃  $\mathsf{P}_{\mathsf{dh}}$ kW T<sub>i</sub>=+7℃ COPd 16.21 4.83 T<sub>j</sub>=+12℃ kW T<sub>i</sub>=+12℃  $P_{dh}$ COPd T<sub>biv</sub>=bivalent kW  $P_{dh}$ T<sub>biv</sub> =bivalent temperature COPd 43.25 1.90 temperature T<sub>OL</sub>=operation  $COP_d$  $P_{dh}$ kW T<sub>OL</sub> =operation temperature temperature 43.25 1.90 Bivalent temperature  $T_{biv}$  $^{\circ}$ -10 Degradation co-efficient  $C_{\text{dh}}$ 0.25 for heat pumps(\*\*) Power consumption in modes other than "active mode" Supplementary heater Off mode Poff kW Back-up heating capacity(\*) elbu kW 0.085  $\mathsf{P}_{\mathsf{TO}}$ Thermosat-off mode kW Type of energy input 0.085 Crankcase heater mode Pck kW Standby mode PsB kW 0.085 0.085 Other items For air-to-air heat pump:air variable m<sup>3</sup>/h Capacity control 25000 flow rate, outdoor measured Sound power  $\mathsf{L}_{\mathsf{WA}}$ 90 dΒ level,outdoor 2088 GWP of the refrigerant kg CO<sub>2 eq</sub>(100years)

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Contact details

(\*\*)If  $C_{dh}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for air-to-air conditioners

 $\label{eq:Model} \begin{tabular}{ll} Model(s): LV-SO850-I4M; \\ Test matching indoor units form, Duct: $4\times LV-DH100-2DC+4\times LV-DH112-2DC; \\ \end{tabular}$ 

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit						
Rated cooling capacity	P <sub>rated,c</sub>	85	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	203.4	%						
Declared cooling capaci T <sub>j</sub> and in		oad at given ℃ (dry/wet l			Declared energy efficiency ratio or gas utilisation efficiency/au energy factor for part load at given outdoor temperatures									
T <sub>j</sub> =+35℃	P <sub>dc</sub>	85	kW		T <sub>j</sub> =+35℃	1.90								
T <sub>j</sub> =+30℃	P <sub>dc</sub>	56.76	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	4.17							
T <sub>j</sub> =+25℃	P <sub>dc</sub>	36.41	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	6.35							
T <sub>j</sub> =+20℃	P <sub>dc</sub>	16.4	kW		T <sub>j</sub> =+20℃	EER <sub>d</sub>	8.95							
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	_											
		F	Power consumption in	modes of	ther than "active mode"									
Off mode	P <sub>OFF</sub>	0.085	kW		Crankcase heater mode	P <sub>CK</sub>	0.085	kW						
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	$P_{SB}$	0.085	kW						
			C	ther item	ns									
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	24000	m³/h						
Sound power level,outdoor	L <sub>WA</sub>	90	dB											
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)											
044-4-4-11-			•											

Contact details

(\*)If Cdc is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for heat pumps

Model(s): LV-SO850-I4M;

Test matching indoor units form, Duct: 4×LV-DH100-2DC+4×LV-DH112-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasoms are optional

Item	,paramete	ating seasor	ng se	ting s	ting	atir	eati	eat	hea	hea	hea	eat	atin	ng seaso	on,parar	meter	rs for	the v	varme	r and	d colo	der he	eating	seas	soms	are o	ptional				
Rated heating capacity   Prated.h   85   KW   energy efficiency   Tis.h   133.4    Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures Tij   Declared coefficient of performance or gas utilisatic efficiency/auxiliary energy factor for part load at given o temperatures Tij    Tj=-7°C   Pdh   39.85   KW   Tj=-7°C   COPd   2.32    Tj=+2°C   Pdh   24.62   kW   Tj=+2°C   COPd   3.10    Tj=+12°C   Pdh   16.84   kW   Tj=+7°C   COPd   5.00    Tj=+12°C   Pdh   13.01   kW   Tj=+12°C   COPd   5.46    Tout=operation temperature   Pdh   45.19   kW   Tout=operation temperature   COPd   1.85    Tout=operation temperature   Tout   Tout	nit	U							)	е	9			ι	Unit						It	tem				Syr	nbol		Value		Uni
Per   Part   P	V	k												ŀ	kW								ating			η	s,h		133.4	ı	%
T <sub>j</sub> =+2°C         P <sub>dh</sub> 24.62         kW         T <sub>j</sub> =+2°C         COP <sub>d</sub> 3.10           T <sub>j</sub> =+7°C         P <sub>dh</sub> 16.84         kW         T <sub>j</sub> =+7°C         COP <sub>d</sub> 5.00           T <sub>j</sub> =+12°C         P <sub>dh</sub> 13.01         kW         T <sub>j</sub> =+12°C         COP <sub>d</sub> 5.46           T <sub>biv</sub> =bivalent temperature         P <sub>dh</sub> 45.19         kW         T <sub>biv</sub> =bivalent temperature         COP <sub>d</sub> 1.85           T <sub>OL</sub> =operation temperature         P <sub>dh</sub> 45.19         kW         T <sub>OL</sub> =operation temperature         COP <sub>d</sub> 1.85           Bivalent temperature         T <sub>biv</sub> -10         °C         COP <sub>d</sub> 1.85           Degradation co-efficient for heat pumps(**)         C <sub>dh</sub> 0.25         —         Supplementary heater           Off mode         P <sub>OFF</sub> 0.085         kW         Back-up heating capacity(*)         elbu         0           Thermosat-off mode         P <sub>TO</sub> 0.085         kW         Type of energy input         P <sub>SB</sub> 0.085	20°C and	r teperature	epera	tepe	tep	r te								eperature	e 20°C a	and			E					nergy	facto	or for	oart loa				door
T <sub>j</sub> =+7°C         Pdh         16.84         kW         T <sub>j</sub> =+7°C         COP <sub>d</sub> 5.00           T <sub>j</sub> =+12°C         Pdh         13.01         kW         T <sub>j</sub> =+12°C         COP <sub>d</sub> 5.46           T <sub>biv</sub> =bivalent temperature         Pdh         45.19         kW         T <sub>biv</sub> =bivalent temperature         COP <sub>d</sub> 1.85           T <sub>OL</sub> =operation temperature         Pdh         45.19         kW         T <sub>OL</sub> =operation temperature         COP <sub>d</sub> 1.85           Bivalent temperature         T <sub>biv</sub> -10         °C         COP <sub>d</sub> 1.85           Degradation co-efficient for heat pumps(**)         C <sub>dh</sub> 0.25         —         Supplementary heater           Power consumption in modes other than "active mode"         Supplementary heater         Supplementary heater           Off mode         P <sub>OFF</sub> 0.085         kW         Back-up heating capacity(*)         elbu         0           Thermosat-off mode         P <sub>TO</sub> 0.085         kW         Type of energy input         Crankcase heater mode         P <sub>CK</sub> 0.085         kW         Standby mode         P <sub>SB</sub> 0.085	V	k								5				ŀ	kW				T <sub>j</sub> =-7	'℃						COP <sub>d</sub>			2.32		
T <sub>j</sub> =+12°C P <sub>dh</sub> 13.01 kW T <sub>j</sub> =+12°C COP <sub>d</sub> 5.46  T <sub>biv</sub> =bivalent temperature P <sub>dh</sub> 45.19 kW T <sub>biv</sub> = bivalent temperature COP <sub>d</sub> 1.85  T <sub>OL</sub> =operation temperature T <sub>Div</sub> -10 °C COP <sub>d</sub> 1.85  Bivalent temperature T <sub>Div</sub> -10 °C COP <sub>d</sub> 1.85  Degradation co-efficient for heat pumps(**) C <sub>dh</sub> 0.25 - Supplementary heater  Off mode P <sub>OFF</sub> 0.085 kW Back-up heating capacity(*) elbu 0  Thermosat-off mode P <sub>CK</sub> 0.085 kW Standby mode P <sub>SB</sub> 0.085	V	k								2				ŀ	kW				T <sub>j</sub> =+2	2℃						COI	o <sub>d</sub>		3.10		
T <sub>biv</sub> =bivalent temperature  Pdh 45.19 kW ToL = operation temperature  COPd 1.85  ToL=operation temperature  Pdh 45.19 kW ToL = operation temperature  COPd 1.85  Bivalent temperature  Tbiv -10 °C  Degradation co-efficient for heat pumps(**)  Power consumption in modes other than "active mode"  Off mode Poff 0.085 kW Degradation capacity(*)  Back-up heating capacity(*)  Poper on one of the properation temperature  Supplementary heater  Type of energy input  Crankcase heater mode Porg 0.085 kW Standby mode Psb 0.085	V	k								ļ				ŀ	kW				T <sub>j</sub> =+7	7℃						COI	P <sub>d</sub>		5.00		
temperature Pdh 45.19 kW ToL = pivalent temperature COPd 1.85  ToL = operation temperature Pdh 45.19 kW ToL = operation temperature COPd 1.85  Bivalent temperature ToL = 10 C	V	k												ŀ	kW				T <sub>j</sub> =+1	1 <b>2</b> ℃						COI	od o		5.46		
temperature	٧	k								)				ŀ	kW				T <sub>biv</sub> =	=biva	ılent t	tempe	eratur	е		COI	od o		1.85		
Degradation co-efficient for heat pumps(**)  Power consumption in modes other than "active mode"  Supplementary heater  Off mode  Poff 0.085  kW  Back-up heating capacity(*)  Thermosat-off mode  Poff 0.085  kW  Type of energy input  Crankcase heater mode  Poff 0.085  kW  Standby mode  Poff 0.085  0.085	٧	k								)				ŀ	kW				T <sub>OL</sub> =	ope=	ration	n tem	perat	ure		COI	⊃ <sub>d</sub>		1.85		
for heat pumps(**)  Power consumption in modes other than "active mode"  Supplementary heater  Off mode  Poff 0.085  kW  Back-up heating capacity(*)  Thermosat-off mode  PTO 0.085  kW  Type of energy input  Crankcase heater mode  PCK 0.085  kW  Standby mode  PSB 0.085	;														℃																
Off mode     Poff     0.085     kW     Back-up heating capacity(*)     elbu     0       Thermosat-off mode     PTO     0.085     kW     Type of energy input       Crankcase heater mode     PCK     0.085     kW     Standby mode     PSB     0.085	-									<u> </u>					_																
Thermosat-off mode         P <sub>TO</sub> 0.085         kW         Type of energy input           Crankcase heater mode         P <sub>CK</sub> 0.085         kW         Standby mode         P <sub>SB</sub> 0.085		mode"	ode"	node'	nod	mo	mo	e m	ve m	ive n	ve n	e m	mo	ode"									5	Suppl	emer	ntary h	neater				
Crankcase heater mode P <sub>CK</sub> 0.085 kW Standby mode P <sub>SB</sub> 0.085	٧	k								5	;			k	kW				Back	-up h	neatir	ng ca	pacity	·(*)		el	bu		0		kW
3,500	٧	k								5	;			ŀ	kW				Туре	of e	nergy	y inpu	ıt								
Other items	٧	k					Ĭ			5	;			k	kW				Stand	dby n	node					Р	SB		0.08	5	kW
	(															C	Other	item	S												
Capacity control variable For air-to-air heat pump:air flow rate,outdoor measured 24000		able	le	ble	ble	able	iab	ıriab	arial	varia	aria	riab	able	le													_		24000		m <sup>3</sup> /h
Sound power level,outdoor LWA 90 dB	3	d												C	dB																
GWP of the refrigerant 2088 kg CO <sub>2 eq</sub> (100years)	(100years)	kg CO <sub>2 ec</sub>	kg CC	kg (	kg	k							k	kg CO <sub>2 e</sub>	<sub>eq</sub> (100ye	ears)															
Contact details																															

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(\*\*)If  $C_{dh}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for air-to-air conditioners

Model(s): LV-SO900-I4M; Test matching indoor units form, Duct: 8×LV-DH112-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	90	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	197.8	%
Declared cooling capaci T <sub>j</sub> and in		oad at given o ℃ (dry/wet b	•		Declared energy efficiency ra energy factor for part load	•	,	•
T <sub>j</sub> =+35℃	P <sub>dc</sub>	90	kW		T <sub>j</sub> =+35℃	EER <sub>d</sub>	1.88	
T <sub>j</sub> =+30℃	P <sub>dc</sub>	60.69	kW		T <sub>j</sub> =+30℃	EER <sub>d</sub>	4.14	
T <sub>j</sub> =+25℃	P <sub>dc</sub>	38.72	kW		T <sub>j</sub> =+25℃	EER <sub>d</sub>	5.82	1
T <sub>j</sub> =+20℃	P <sub>dc</sub>	18.14	kW		T <sub>j</sub> =+20℃	EER <sub>d</sub>	9.20	
Degradation co-efficient for air conditioners(*)	C <sub>dc</sub>	0.25	_					
	•	F	ower consumption in	modes of	ther than "active mode"		•	
Off mode	P <sub>OFF</sub>	0.085	kW		Crankcase heater mode	P <sub>CK</sub>	0.085	kW
Thermosat-off mode	P <sub>TO</sub>	0	kW		Standby mode	$P_{SB}$	0.085	kW
			C	Other item	าร			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	24000	m³/h
Sound power level,outdoor	L <sub>WA</sub>	90	dB					
GWP of the refrigerant		2088	kg CO <sub>2 eq</sub> (100years)					

Contact details

(\*)If  $C_{dc}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



## Information requirements for heat pumps

Model(s): LV-SO900-I4M;

Test matching indoor units form, Duct: 8×LV-DH112-2DC;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor Parameters shall be declared for the average heating season,parameters for the warmer and colder heating seasoms are optional Item Symbol Value Unit Item Symbol Value Unit Seasonal space heating % Rated heating capacity kW P<sub>rated,h</sub>  $\eta_{\,\text{s},\text{h}}$ 90 133.4 energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor teperature 20 ℃ and efficiency/auxiliary energy factor for part load at given outdoor outdoor temperatures Ti temperatures T<sub>i</sub> kW  $COP_d$ T<sub>i</sub>=-7℃ T<sub>i</sub>=-7℃  $P_{dh}$ 39.85 2.32 T<sub>i</sub>=+2℃ kW  $P_{dh}$ T<sub>i</sub>=+2℃ COPd 24.62 3.10  $\mathsf{P}_{\mathsf{dh}}$ T<sub>j</sub>=+7℃ kW T<sub>i</sub>=+7℃ COPd 16.84 5.00 T<sub>j</sub>=+12℃ kW T<sub>j</sub>=+12℃  $P_{dh}$ COPd T<sub>biv</sub>=bivalent kW  $P_{dh}$ T<sub>biv</sub> =bivalent temperature COPd 45.19 1.85 temperature T<sub>OL</sub>=operation  $COP_d$  $P_{dh}$ kW T<sub>OL</sub> =operation temperature 45.19 1.85 temperature Bivalent temperature  $T_{biv}$  $^{\circ}$ -10 Degradation co-efficient  $C_{\text{dh}}$ 0.25 for heat pumps(\*\*) Power consumption in modes other than "active mode" Supplementary heater Off mode Poff 0.085 kW Back-up heating capacity(\*) elbu 0 kW  $\mathsf{P}_{\mathsf{TO}}$ Thermosat-off mode 0.085 kW Type of energy input Crankcase heater mode Pck 0.085 kW Standby mode PsB 0.085 kW Other items For air-to-air heat pump:air variable m<sup>3</sup>/h Capacity control 24000 flow rate, outdoor measured Sound power  $\mathsf{L}_{\mathsf{WA}}$ dΒ level,outdoor 90 2088 GWP of the refrigerant kg CO<sub>2 eq</sub>(100years)

(\*)

Contact details

(\*\*)If  $C_{dh}$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25



Thank you very much for purchasing our product. Before using your air conditioner, please read this manual carefully and keep it for future reference.

Due to LENNOX EMEA ongoing commitment to quality, the specifications, ratings and dimensions are subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury.

Installation and service must be performed by a qualified installer and servicing agency.



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