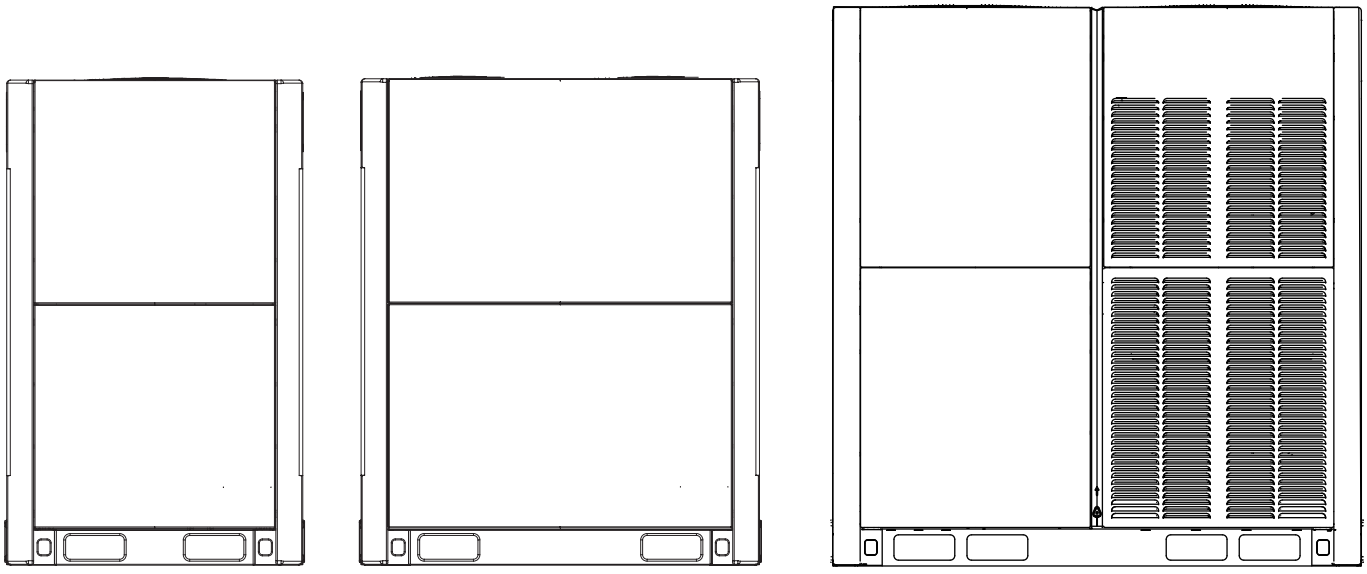
e-Lite

DC INVERTER V6i

Information Requirements



LV-SO-INFO-20.04-E

Cooling mode: Table.1

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	$P_{rated,c}$	25.2	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	222.2	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19℃（dry/wet bulb）					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35℃	P_{dc}	25.2	kW		T_j=+35℃	EER_d	3.48	--
T_j=+30℃	P_{dc}	17.277	kW		T_j=+30℃	EER_d	4.61	--
T_j=+25℃	P_{dc}	11.507	kW		T_j=+25℃	EER_d	6.46	--
T_j=+20℃	P_{dc}	6.688	kW		T_j=+20℃	EER_d	11.41	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.064	kW		Crankcase heater mode	P_{CK}	0.064	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	—	10500	m^3/h
Sound power level,outdoor	L_{WA}	78	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					

Contact details

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

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode: Table.2

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

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	25.2	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	134.2	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7℃	P_{dh}	17.176	kW		T_j=-7℃	COP_d	2.32	--
T_j=+2℃	P_{dh}	11.706	kW		T_j=+2℃	COP_d	3.40	--
T_j=+7℃	P_{dh}	7.071	kW		T_j=+7℃	COP_d	4.50	--
T_j=+12℃	P_{dh}	4.381	kW		T_j=+12℃	COP_d	5.15	--
T_{biv}=bivalent temperature	P_{dh}	17.176	kW		T_{biv} =bivalent temperature	COP_d	2.32	--
T_{OL}=operation temperature	P_{dh}	19.313	kW		T_{OL} =operation temperature	COP_d	1.89	--
Bivalent temperature	T_{biv}	-7	℃					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	—					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.064	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.124	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	—	10500	m^3/h
Sound power level,outdoor	L_{WA}	78	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(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

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Cooling mode: Table.3

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	$P_{rated,c}$	28	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	220.6	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19℃（dry/wet bulb）					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35℃	P_{dc}	28	kW		T_j=+35℃	EER_d	3.26	--
T_j=+30℃	P_{dc}	19.137	kW		T_j=+30℃	EER_d	4.44	--
T_j=+25℃	P_{dc}	13.246	kW		T_j=+25℃	EER_d	6.40	--
T_j=+20℃	P_{dc}	6.688	kW		T_j=+20℃	EER_d	11.41	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.064	kW		Crankcase heater mode	P_{CK}	0.064	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	—	10500	m^3/h
Sound power level,outdoor	L_{WA}	78	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					

Contact details

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

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode: Table.4

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

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	28	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	134.2	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7℃	P_{dh}	17.176	kW		T_j=-7℃	COP_d	2.32	--
T_j=+2℃	P_{dh}	11.706	kW		T_j=+2℃	COP_d	3.40	--
T_j=+7℃	P_{dh}	7.071	kW		T_j=+7℃	COP_d	4.50	--
T_j=+12℃	P_{dh}	4.381	kW		T_j=+12℃	COP_d	5.15	--
T_{biv}=bivalent temperature	P_{dh}	17.176	kW		T_{biv} =bivalent temperature	COP_d	2.32	--
T_{OL}=operation temperature	P_{dh}	19.313	kW		T_{OL} =operation temperature	COP_d	1.89	--
Bivalent temperature	T_{biv}	-7	℃					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	—					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.064	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.124	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	—	10500	m^3/h
Sound power level,outdoor	L_{WA}	78	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(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

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Cooling mode: Table.5

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	$P_{rated,c}$	33.5	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	203.8	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19℃（dry/wet bulb）					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35℃	P_{dc}	33.5	kW		T_j=+35℃	EER_d	2.57	--
T_j=+30℃	P_{dc}	23.276	kW		T_j=+30℃	EER_d	4.07	--
T_j=+25℃	P_{dc}	15.186	kW		T_j=+25℃	EER_d	6.65	--
T_j=+20℃	P_{dc}	8.719	kW		T_j=+20℃	EER_d	8.62	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.064	kW		Crankcase heater mode	P_{CK}	0.064	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	—	11000	m^3/h
Sound power level,outdoor	L_{WA}	81	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					

Contact details

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

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode: Table.6

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

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	33.5	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	133.4	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7℃	P_{dh}	17.346	kW		T_j=-7℃	COP_d	2.44	--
T_j=+2℃	P_{dh}	10.544	kW		T_j=+2℃	COP_d	3.24	--
T_j=+7℃	P_{dh}	7.080	kW		T_j=+7℃	COP_d	4.49	--
T_j=+12℃	P_{dh}	5.589	kW		T_j=+12℃	COP_d	4.99	--
T_{biv}=bivalent temperature	P_{dh}	17.346	kW		T_{biv} =bivalent temperature	COP_d	2.44	--
T_{OL}=operation temperature	P_{dh}	19.730	kW		T_{OL} =operation temperature	COP_d	2.34	--
Bivalent temperature	T_{biv}	-7	℃					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	—					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.064	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.124	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	—	11000	m^3/h
Sound power level,outdoor	L_{WA}	81	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(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

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Cooling mode: Table.7

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	$P_{rated,c}$	40	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	196.2	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19℃（dry/wet bulb）					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35℃	P_{dc}	40	kW		T_j=+35℃	EER_d	2.65	--
T_j=+30℃	P_{dc}	29.504	kW		T_j=+30℃	EER_d	4.11	--
T_j=+25℃	P_{dc}	18.187	kW		T_j=+25℃	EER_d	5.58	--
T_j=+20℃	P_{dc}	9.939	kW		T_j=+20℃	EER_d	8.91	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.064	kW		Crankcase heater mode	P_{CK}	0.064	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	—	13000	m^3/h
Sound power level,outdoor	L_{WA}	85	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					

Contact details

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

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode: Table.8

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

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	40	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	137.8	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7℃	P_{dh}	25.931	kW		T_j=-7℃	COP_d	2.54	--
T_j=+2℃	P_{dh}	15.791	kW		T_j=+2℃	COP_d	3.30	--
T_j=+7℃	P_{dh}	10.318	kW		T_j=+7℃	COP_d	4.66	--
T_j=+12℃	P_{dh}	9.548	kW		T_j=+12℃	COP_d	5.49	--
T_{biv}=bivalent temperature	P_{dh}	25.931	kW		T_{biv} =bivalent temperature	COP_d	2.54	--
T_{OL}=operation temperature	P_{dh}	29.325	kW		T_{OL} =operation temperature	COP_d	2.14	--
Bivalent temperature	T_{biv}	-7	℃					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	—					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.064	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.124	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	—	13000	m^3/h
Sound power level,outdoor	L_{WA}	85	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(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

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Cooling mode: Table.9

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	$P_{rated,c}$	45	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	193.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19℃（dry/wet bulb）					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35℃	P_{dc}	45	kW		T_j=+35℃	EER_d	2.40	--
T_j=+30℃	P_{dc}	31.412	kW		T_j=+30℃	EER_d	3.70	--
T_j=+25℃	P_{dc}	20.145	kW		T_j=+25℃	EER_d	5.83	--
T_j=+20℃	P_{dc}	9.939	kW		T_j=+20℃	EER_d	8.91	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.064	kW		Crankcase heater mode	P_{CK}	0.064	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	—	13000	m^3/h
Sound power level,outdoor	L_{WA}	88	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					

Contact details

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

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode: Table.10

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

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	45	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	137.8	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7℃	P_{dh}	25.931	kW		T_j=-7℃	COP_d	2.54	--
T_j=+2℃	P_{dh}	15.791	kW		T_j=+2℃	COP_d	3.30	--
T_j=+7℃	P_{dh}	10.318	kW		T_j=+7℃	COP_d	4.66	--
T_j=+12℃	P_{dh}	9.548	kW		T_j=+12℃	COP_d	5.49	--
T_{biv}=bivalent temperature	P_{dh}	25.931	kW		T_{biv} =bivalent temperature	COP_d	2.54	--
T_{OL}=operation temperature	P_{dh}	29.325	kW		T_{OL} =operation temperature	COP_d	2.14	--
Bivalent temperature	T_{biv}	-7	℃					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	—					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.064	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.124	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	—	13000	m^3/h
Sound power level,outdoor	L_{WA}	88	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					
Contact details								

(*)

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

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Cooling mode: Table.11

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	$P_{rated,c}$	50	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	197.4	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19℃（dry/wet bulb）					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35℃	P_{dc}	50	kW		T_j=+35℃	EER_d	2.55	--
T_j=+30℃	P_{dc}	36.091	kW		T_j=+30℃	EER_d	3.86	--
T_j=+25℃	P_{dc}	22.777	kW		T_j=+25℃	EER_d	5.89	--
T_j=+20℃	P_{dc}	10.928	kW		T_j=+20℃	EER_d	8.50	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.064	kW		Crankcase heater mode	P_{CK}	0.064	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	—	13000	m^3/h
Sound power level,outdoor	L_{WA}	88	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					

Contact details

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

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode: Table.12

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

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	134.2	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7℃	P_{dh}	27.878	kW		T_j=-7℃	COP_d	2.46	--
T_j=+2℃	P_{dh}	18.272	kW		T_j=+2℃	COP_d	3.18	--
T_j=+7℃	P_{dh}	11.923	kW		T_j=+7℃	COP_d	4.64	--
T_j=+12℃	P_{dh}	9.535	kW		T_j=+12℃	COP_d	5.43	--
T_{biv}=bivalent temperature	P_{dh}	27.878	kW		T_{biv} =bivalent temperature	COP_d	2.46	--
T_{OL}=operation temperature	P_{dh}	31.575	kW		T_{OL} =operation temperature	COP_d	1.95	--
Bivalent temperature	T_{biv}	-7	℃					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	—					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.064	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.124	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	—	13000	m^3/h
Sound power level,outdoor	L_{WA}	88	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					
Contact details								

(*)

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

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Cooling mode: Table.13

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	$P_{rated,c}$	56	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	196.6	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19℃（dry/wet bulb）					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35℃	P_{dc}	56	kW		T_j=+35℃	EER_d	3.10	--
T_j=+30℃	P_{dc}	39.039	kW		T_j=+30℃	EER_d	3.95	--
T_j=+25℃	P_{dc}	23.261	kW		T_j=+25℃	EER_d	5.65	--
T_j=+20℃	P_{dc}	11.429	kW		T_j=+20℃	EER_d	7.55	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.064	kW		Crankcase heater mode	P_{CK}	0.064	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	—	17000	m^3/h
Sound power level,outdoor	L_{WA}	88	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					

Contact details

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

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode: Table.14

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

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	56	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	133.0	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7℃	P_{dh}	29.294	kW		T_j=-7℃	COP_d	2.06	--
T_j=+2℃	P_{dh}	18.293	kW		T_j=+2℃	COP_d	3.29	--
T_j=+7℃	P_{dh}	11.917	kW		T_j=+7℃	COP_d	4.80	--
T_j=+12℃	P_{dh}	10.498	kW		T_j=+12℃	COP_d	5.61	--
T_{biv}=bivalent temperature	P_{dh}	29.294	kW		T_{biv} =bivalent temperature	COP_d	2.06	--
T_{OL}=operation temperature	P_{dh}	33.107	kW		T_{OL} =operation temperature	COP_d	1.64	--
Bivalent temperature	T_{biv}	-7	℃					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	—					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.064	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.124	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	—	17000	m^3/h
Sound power level,outdoor	L_{WA}	88	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					
Contact details								

(*)

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

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Cooling mode: Table.15

Information requirements for air-to-air conditioners

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

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	61.5	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	194.2	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19℃（dry/wet bulb）					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35℃	P_{dc}	61.5	kW		T_j=+35℃	EER_d	2.79	--
T_j=+30℃	P_{dc}	43.022	kW		T_j=+30℃	EER_d	3.86	--
T_j=+25℃	P_{dc}	27.726	kW		T_j=+25℃	EER_d	5.70	--
T_j=+20℃	P_{dc}	12.137	kW		T_j=+20℃	EER_d	7.55	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.064	kW		Crankcase heater mode	P_{CK}	0.064	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	—	17000	m^3/h
Sound power level,outdoor	L_{WA}	88	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					

Contact details

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

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode:

Table.16

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

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
Rated heating capacity	$P_{rated,h}$	61.5	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	133.0	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7℃	P_{dh}	29.294	kW		T_j=-7℃	COP_d	2.06	--
T_j=+2℃	P_{dh}	18.293	kW		T_j=+2℃	COP_d	3.29	--
T_j=+7℃	P_{dh}	11.917	kW		T_j=+7℃	COP_d	4.80	--
T_j=+12℃	P_{dh}	10.498	kW		T_j=+12℃	COP_d	5.61	--
T_{biv}=bivalent temperature	P_{dh}	29.294	kW		T_{biv} =bivalent temperature	COP_d	2.06	--
T_{OL}=operation temperature	P_{dh}	33.107	kW		T_{OL} =operation temperature	COP_d	1.64	--
Bivalent temperature	T_{biv}	-7	℃					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	—					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.064	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.124	kW		Standby mode	P_{SB}	0.064	kW
Other items								
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	—	17000	m^3/h
Sound power level,outdoor	L_{WA}	88	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					
Contact details								

(*)

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

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Cooling mode: Table.17

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	$P_{rated,c}$	67	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	205.8	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19℃（dry/wet bulb）					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35℃	P_{dc}	67	kW		T_j=+35℃	EER_d	2.41	--
T_j=+30℃	P_{dc}	44.6	kW		T_j=+30℃	EER_d	3.72	--
T_j=+25℃	P_{dc}	30.31	kW		T_j=+25℃	EER_d	6.52	--
T_j=+20℃	P_{dc}	12.94	kW		T_j=+20℃	EER_d	9.57	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.085	kW		Crankcase heater mode	P_{CK}	0.085	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.085	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	—	24500	m^3/h
Sound power level,outdoor	L_{WA}	89	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					

Contact details

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

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode:

Table.18

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

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	67	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	133.0	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7℃	P_{dh}	40.63	kW		T_j=-7℃	COP_d	2.31	--
T_j=+2℃	P_{dh}	25.21	kW		T_j=+2℃	COP_d	3.14	--
T_j=+7℃	P_{dh}	16.21	kW		T_j=+7℃	COP_d	4.83	--
T_j=+12℃	P_{dh}	9.21	kW		T_j=+12℃	COP_d	5.05	--
T_{biv}=bivalent temperature	P_{dh}	43.25	kW		T_{biv} =bivalent temperature	COP_d	1.90	--
T_{OL}=operation temperature	P_{dh}	43.25	kW		T_{OL} =operation temperature	COP_d	1.90	--
Bivalent temperature	T_{biv}	-10	℃					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	—					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.085	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.085	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.085	kW		Standby mode	P_{SB}	0.085	kW
Other items								
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	—	24500	m^3/h
Sound power level,outdoor	L_{WA}	89	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					
Contact details								

(*)

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

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Cooling mode: Table.19

Information requirements for air-to-air conditioners

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

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	73	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	201	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19℃（dry/wet bulb）					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35℃	P_{dc}	73	kW		T_j=+35℃	EER_d	2.25	--
T_j=+30℃	P_{dc}	48.88	kW		T_j=+30℃	EER_d	4.21	--
T_j=+25℃	P_{dc}	32.9	kW		T_j=+25℃	EER_d	5.68	--
T_j=+20℃	P_{dc}	14.13	kW		T_j=+20℃	EER_d	9.30	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.085	kW		Crankcase heater mode	P_{CK}	0.085	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.085	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	—	24500	m^3/h
Sound power level,outdoor	L_{WA}	90	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					

Contact details

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

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode: Table.20

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

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	73	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	133.0	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7℃	P_{dh}	40.63	kW		T_j=-7℃	COP_d	2.31	--
T_j=+2℃	P_{dh}	25.21	kW		T_j=+2℃	COP_d	3.14	--
T_j=+7℃	P_{dh}	16.21	kW		T_j=+7℃	COP_d	4.83	--
T_j=+12℃	P_{dh}	9.21	kW		T_j=+12℃	COP_d	5.05	--
T_{biv}=bivalent temperature	P_{dh}	43.25	kW		T_{biv} =bivalent temperature	COP_d	1.90	--
T_{OL}=operation temperature	P_{dh}	43.25	kW		T_{OL} =operation temperature	COP_d	1.90	--
Bivalent temperature	T_{biv}	-10	℃					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	—					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.085	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.085	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.085	kW		Standby mode	P_{SB}	0.085	kW
Other items								
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	—	24500	m^3/h
Sound power level,outdoor	L_{WA}	90	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					
Contact details								

(*)

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

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Cooling mode: Table.21

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

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	78.5	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	195.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19℃（dry/wet bulb）					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35℃	P_{dc}	78.5	kW		T_j=+35℃	EER_d	2.10	--
T_j=+30℃	P_{dc}	52.42	kW		T_j=+30℃	EER_d	4.19	--
T_j=+25℃	P_{dc}	33.78	kW		T_j=+25℃	EER_d	5.45	--
T_j=+20℃	P_{dc}	15.44	kW		T_j=+20℃	EER_d	9.00	--
Degradation co-efficient for air conditioners(*)	C_{dc}		—					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.085	kW		Crankcase heater mode	P_{CK}	0.085	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.085	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	—	25000	m^3/h
Sound power level,outdoor	L_{WA}	90	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					

Contact details

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

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode:

Table.22

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
Rated heating capacity	$P_{rated,h}$	78.5	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	133.0	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7℃	P_{dh}	40.63	kW		T_j=-7℃	COP_d	2.31	--
T_j=+2℃	P_{dh}	25.21	kW		T_j=+2℃	COP_d	3.14	--
T_j=+7℃	P_{dh}	16.21	kW		T_j=+7℃	COP_d	4.83	--
T_j=+12℃	P_{dh}	9.21	kW		T_j=+12℃	COP_d	5.05	--
T_{biv}=bivalent temperature	P_{dh}	43.25	kW		T_{biv} =bivalent temperature	COP_d	1.90	--
T_{OL}=operation temperature	P_{dh}	43.25	kW		T_{OL} =operation temperature	COP_d	1.90	--
Bivalent temperature	T_{biv}	-10	℃					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	—					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.085	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.085	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.085	kW		Standby mode	P_{SB}	0.085	kW
Other items								
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	—	25000	m^3/h
Sound power level,outdoor	L_{WA}	90	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					
Contact details								

(*)

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

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Cooling mode: Table.23

Information requirements for air-to-air conditioners

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

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	85	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	203.4	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19℃（dry/wet bulb）					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35℃	P_{dc}	85	kW		T_j=+35℃	EER_d	1.90	--
T_j=+30℃	P_{dc}	56.76	kW		T_j=+30℃	EER_d	4.17	--
T_j=+25℃	P_{dc}	36.41	kW		T_j=+25℃	EER_d	6.35	--
T_j=+20℃	P_{dc}	16.4	kW		T_j=+20℃	EER_d	8.95	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.085	kW		Crankcase heater mode	P_{CK}	0.085	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.085	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	—	24000	m^3/h
Sound power level,outdoor	L_{WA}	90	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					

Contact details

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

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode: Table.24

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	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	85	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	133.4	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7℃	P_{dh}	39.85	kW		T_j=-7℃	COP_d	2.32	--
T_j=+2℃	P_{dh}	24.62	kW		T_j=+2℃	COP_d	3.10	--
T_j=+7℃	P_{dh}	16.84	kW		T_j=+7℃	COP_d	5.00	--
T_j=+12℃	P_{dh}	13.01	kW		T_j=+12℃	COP_d	5.46	--
T_{biv}=bivalent temperature	P_{dh}	45.19	kW		T_{biv} =bivalent temperature	COP_d	1.85	--
T_{OL}=operation temperature	P_{dh}	45.19	kW		T_{OL} =operation temperature	COP_d	1.85	--
Bivalent temperature	T_{biv}	-10	℃					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	—					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.085	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.085	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.085	kW		Standby mode	P_{SB}	0.085	kW
Other items								
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	—	24000	m^3/h
Sound power level,outdoor	L_{WA}	90	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					
Contact details								

(*)

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

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Cooling mode: Table.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	$P_{rated,c}$	90	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	197.8	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19℃（dry/wet bulb）					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35℃	P_{dc}	90	kW		T_j=+35℃	EER_d	1.88	--
T_j=+30℃	P_{dc}	60.69	kW		T_j=+30℃	EER_d	4.14	--
T_j=+25℃	P_{dc}	38.72	kW		T_j=+25℃	EER_d	5.82	--
T_j=+20℃	P_{dc}	18.14	kW		T_j=+20℃	EER_d	9.20	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	—					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.085	kW		Crankcase heater mode	P_{CK}	0.085	kW
Thermosat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.085	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	—	24000	m^3/h
Sound power level,outdoor	L_{WA}	90	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					

Contact details

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

Where information relates to multi-split air conditioners,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Heating mode:

Table.26

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
Rated heating capacity	$P_{rated,h}$	90	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	133.4	%
Declared heating capacity for part load at indoor teperature 20℃ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7℃	P_{dh}	39.85	kW		T_j=-7℃	COP_d	2.32	--
T_j=+2℃	P_{dh}	24.62	kW		T_j=+2℃	COP_d	3.10	--
T_j=+7℃	P_{dh}	16.84	kW		T_j=+7℃	COP_d	5.00	--
T_j=+12℃	P_{dh}	13.01	kW		T_j=+12℃	COP_d	5.46	--
T_{biv}=bivalent temperature	P_{dh}	45.19	kW		T_{biv} =bivalent temperature	COP_d	1.85	--
T_{OL}=operation temperature	P_{dh}	45.19	kW		T_{OL} =operation temperature	COP_d	1.85	--
Bivalent temperature	T_{biv}	-10	℃					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	—					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.085	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.085	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.085	kW		Standby mode	P_{SB}	0.085	kW
Other items								
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	—	24000	m^3/h
Sound power level,outdoor	L_{WA}	90	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$(100years)					
Contact details								

(*)

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

Where information relates to multi-split heat pumps,the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

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

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Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury.
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