

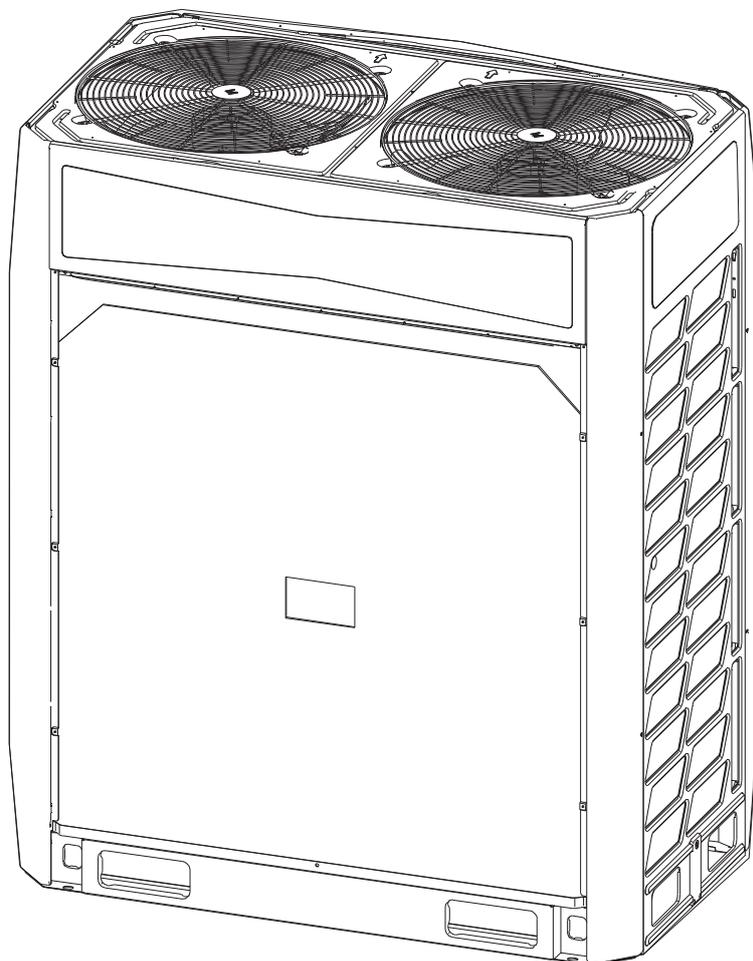


e-Lite

DC INVERTER V6R

HEAT RECOVERY

Information Requirement



Cooling mode:

Information requirements for air-to-air conditioners							
Model(s): LV-RSO252-I4M							
Test matching indoor units form, ducted: 4×LV-DH56-2DC							
Outdoor side heat exchanger of air conditioner: air							
Indoor side heat exchanger of air conditioner: air							
Type: compressor driven							
Driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	22.4	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	306	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	22.40	kW	$T_j=+35^\circ\text{C}$	EER_d	4.27	--
$T_j=+30^\circ\text{C}$	P_{dc}	16.51	kW	$T_j=+30^\circ\text{C}$	EER_d	5.45	--
$T_j=+25^\circ\text{C}$	P_{dc}	11.51	kW	$T_j=+25^\circ\text{C}$	EER_d	8.50	--
$T_j=+20^\circ\text{C}$	P_{dc}	6.69	kW	$T_j=+20^\circ\text{C}$	EER_d	17.16	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	9000	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:

Information requirements for heat pumps								
Model(s): LV-RSO252-I4M								
Test matching indoor units form, ducted: 4×LV-DH56-2DC								
Outdoor side heat exchanger of air conditioner: air								
Indoor side heat exchanger of air conditioner: air								
If the heater is equipped with a supplementary heater: no								
Driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	22.4	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	164	%
Declared heating capacity for part load at indoor temperature 20°C 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			
$T_j=-7^\circ\text{C}$	P_{dh}	12.12	kW		$T_j=-7^\circ\text{C}$	COP_d	3.01	--
$T_j=+2^\circ\text{C}$	P_{dh}	7.38	kW		$T_j=+2^\circ\text{C}$	COP_d	3.94	--
$T_j=+7^\circ\text{C}$	P_{dh}	5.91	kW		$T_j=+7^\circ\text{C}$	COP_d	5.62	--
$T_j=+12^\circ\text{C}$	P_{dh}	7.25	kW		$T_j=+12^\circ\text{C}$	COP_d	7.23	--
T_{biv} =bivalent temperature	P_{dh}	13.70	kW		T_{biv} =bivalent temperature	COP_d	2.63	--
T_{OL} =operation temperature	P_{dh}	13.70	kW		T_{OL} =operation temperature	COP_d	2.63	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.05	kW		Back-up heating capacity(*)	e_{lbu}	0	kW
Thermosat-off mode	P_{TO}	0.05	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.05	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	9000	m ³ /h
Sound power level,outdoor	LWA	78	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, xthe 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:

Information requirements for air-to-air conditioners							
Model(s): LV-RSO280-I4M							
Test matching indoor units form, ducted: 4×LV-DH71-2DC							
Outdoor side heat exchanger of air conditioner: air							
Indoor side heat exchanger of air conditioner: air							
Type: compressor driven							
Driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	28.0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	299	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	28.00	kW	$T_j=+35^\circ\text{C}$	EER_d	3.90	--
$T_j=+30^\circ\text{C}$	P_{dc}	20.63	kW	$T_j=+30^\circ\text{C}$	EER_d	5.07	--
$T_j=+25^\circ\text{C}$	P_{dc}	13.25	kW	$T_j=+25^\circ\text{C}$	EER_d	8.37	--
$T_j=+20^\circ\text{C}$	P_{dc}	6.69	kW	$T_j=+20^\circ\text{C}$	EER_d	17.44	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	9500	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:

Information requirements for heat pumps								
Model(s): LV-RSO280-I4M								
Test matching indoor units form, ducted: 4×LV-DH71-2DC								
Outdoor side heat exchanger of air conditioner: air								
Indoor side heat exchanger of air conditioner: air								
If the heater is equipped with a supplementary heater: no								
Driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	28.0	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	167	%
Declared heating capacity for part load at indoor temperature 20°C 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			
$T_j=-7^\circ\text{C}$	P_{dh}	14.15	kW		$T_j=-7^\circ\text{C}$	COP_d	2.83	--
$T_j=+2^\circ\text{C}$	P_{dh}	8.62	kW		$T_j=+2^\circ\text{C}$	COP_d	4.01	--
$T_j=+7^\circ\text{C}$	P_{dh}	5.91	kW		$T_j=+7^\circ\text{C}$	COP_d	5.76	--
$T_j=+12^\circ\text{C}$	P_{dh}	7.25	kW		$T_j=+12^\circ\text{C}$	COP_d	7.42	--
T_{biv} =bivalent temperature	P_{dh}	16.00	kW		T_{biv} =bivalent temperature	COP_d	2.49	--
T_{OL} =operation temperature	P_{dh}	16.00	kW		T_{OL} =operation temperature	COP_d	2.49	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.05	kW		Back-up heating capacity(*)	e_{lbu}	0	kW
Thermosat-off mode	P_{TO}	0.05	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.05	kW
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	9500	m ³ /h
Sound power level, outdoor	LWA	78	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:

Information requirements for air-to-air conditioners							
Model(s): LV-RSO335-I4M							
Test matching indoor units form, ducted: 6×LV-DH56-2DC							
Outdoor side heat exchanger of air conditioner: air							
Indoor side heat exchanger of air conditioner: air							
Type: compressor driven							
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	$\eta_{s,c}$	289	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	33.50	kW	$T_j=+35^\circ\text{C}$	EER_d	3.88	--
$T_j=+30^\circ\text{C}$	P_{dc}	24.68	kW	$T_j=+30^\circ\text{C}$	EER_d	5.29	--
$T_j=+25^\circ\text{C}$	P_{dc}	15.12	kW	$T_j=+25^\circ\text{C}$	EER_d	8.61	--
$T_j=+20^\circ\text{C}$	P_{dc}	8.72	kW	$T_j=+20^\circ\text{C}$	EER_d	12.49	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	10000	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:

Information requirements for heat pumps								
Model(s): LV-RSO335-I4M								
Test matching indoor units form, ducted: 6×LV-DH56-2DC								
Outdoor side heat exchanger of air conditioner: air								
Indoor side heat exchanger of air conditioner: air								
If the heater is equipped with a supplementary heater: no								
Driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	33.5	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	181	%
Declared heating capacity for part load at indoor temperature 20°C 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			
$T_j=-7^\circ\text{C}$	P_{dh}	16.30	kW		$T_j=-7^\circ\text{C}$	COP_d	2.88	--
$T_j=+2^\circ\text{C}$	P_{dh}	9.92	kW		$T_j=+2^\circ\text{C}$	COP_d	4.38	--
$T_j=+7^\circ\text{C}$	P_{dh}	6.77	kW		$T_j=+7^\circ\text{C}$	COP_d	6.35	--
$T_j=+12^\circ\text{C}$	P_{dh}	6.12	kW		$T_j=+12^\circ\text{C}$	COP_d	8.12	--
T_{biv} =bivalent temperature	P_{dh}	18.43	kW		T_{biv} =bivalent temperature	COP_d	2.48	--
T_{OL} =operation temperature	P_{dh}	18.43	kW		T_{OL} =operation temperature	COP_d	2.48	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)								
	C_{dh}	0.25	--		Supplementary heater			
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.05	kW		Back-up heating capacity(*)	e_{lbu}	0	kW
Thermosat-off mode	P_{TO}	0.05	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.05	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	10000	m ³ /h
Sound power level, outdoor	LWA	81	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:

Information requirements for air-to-air conditioners							
Model(s): LV-RSO400-I4M							
Test matching indoor units form, ducted: 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							
Driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	40.0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	265	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	40.00	kW	$T_j=+35^\circ\text{C}$	EER_d	4.07	--
$T_j=+30^\circ\text{C}$	P_{dc}	29.47	kW	$T_j=+30^\circ\text{C}$	EER_d	4.84	--
$T_j=+25^\circ\text{C}$	P_{dc}	18.95	kW	$T_j=+25^\circ\text{C}$	EER_d	6.97	--
$T_j=+20^\circ\text{C}$	P_{dc}	12.60	kW	$T_j=+20^\circ\text{C}$	EER_d	13.68	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	14000	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:

Information requirements for heat pumps							
Model(s): LV-RSO400-I4M							
Test matching indoor units form, ducted: 2×LV-DH56-2DC+4×LV-DH71-2DC							
Outdoor side heat exchanger of air conditioner: air							
Indoor side heat exchanger of air conditioner: air							
If the heater is equipped with a supplementary heater: no							
Driver of compressor: electric motor							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	40.0	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	171	%
Declared heating capacity for part load at indoor temperature 20°C 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			
$T_j=-7^\circ\text{C}$	P_{dh}	19.46	kW	$T_j=-7^\circ\text{C}$	COP_d	3.00	--
$T_j=+2^\circ\text{C}$	P_{dh}	11.85	kW	$T_j=+2^\circ\text{C}$	COP_d	4.14	--
$T_j=+7^\circ\text{C}$	P_{dh}	9.28	kW	$T_j=+7^\circ\text{C}$	COP_d	5.84	--
$T_j=+12^\circ\text{C}$	P_{dh}	8.76	kW	$T_j=+12^\circ\text{C}$	COP_d	7.69	--
T_{biv} =bivalent temperature	P_{dh}	22.00	kW	T_{biv} =bivalent temperature	COP_d	2.42	--
T_{OL} =operation temperature	P_{dh}	22.00	kW	T_{OL} =operation temperature	COP_d	2.42	--
Bivalent temperature	T_{biv}	-10	°C				
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--				
Power consumption in modes other than "active mode"				Supplementary heater			
Off mode	P_{OFF}	0.05	kW	Back-up heating capacity(*)	e_{lbu}	0	kW
Thermosat-off mode	P_{TO}	0.05	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air heat pump: air flow rate, outdoor measured	--	14000	m ³ /h
Sound power level, outdoor	LWA	81	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:

Information requirements for air-to-air conditioners							
Model(s):LV-RSO450-I4M							
Test matching indoor units form, ducted: 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							
Driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	45.0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	264	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	45.00	kW	$T_j=+35^\circ\text{C}$	EER_d	3.75	--
$T_j=+30^\circ\text{C}$	P_{dc}	33.16	kW	$T_j=+30^\circ\text{C}$	EER_d	4.69	--
$T_j=+25^\circ\text{C}$	P_{dc}	21.32	kW	$T_j=+25^\circ\text{C}$	EER_d	7.11	--
$T_j=+20^\circ\text{C}$	P_{dc}	11.53	kW	$T_j=+20^\circ\text{C}$	EER_d	13.45	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	14900	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 uni, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

Heating mode:

Information requirements for heat pumps							
Model(s): LV-RSO450-I4M							
Test matching indoor units form, ducted: 4×LV-DH71-2DC+2×LV-DH80-2DC							
Outdoor side heat exchanger of air conditioner: air							
Indoor side heat exchanger of air conditioner: air							
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 seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	45.0	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	170	%
Declared heating capacity for part load at indoor temperature 20°C 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			
$T_j=-7^\circ\text{C}$	P_{dh}	23.09	kW	$T_j=-7^\circ\text{C}$	COP_d	2.58	--
$T_j=+2^\circ\text{C}$	P_{dh}	14.05	kW	$T_j=+2^\circ\text{C}$	COP_d	4.22	--
$T_j=+7^\circ\text{C}$	P_{dh}	9.28	kW	$T_j=+7^\circ\text{C}$	COP_d	5.88	--
$T_j=+12^\circ\text{C}$	P_{dh}	8.76	kW	$T_j=+12^\circ\text{C}$	COP_d	7.74	--
T_{biv} =bivalent temperature	P_{dh}	26.10	kW	T_{biv} =bivalent temperature	COP_d	2.24	--
T_{OL} =operation temperature	P_{dh}	26.10	kW	T_{OL} =operation temperature	COP_d	2.24	--
Bivalent temperature	T_{biv}	-10	°C				
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--				
Power consumption in modes other than "active mode"				Supplementary heater			
Off mode	P_{OFF}	0.05	kW	Back-up heating capacity(*)	e_{lbu}	0	kW
Thermosat-off mode	P_{TO}	0.05	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air heat pump: air flow rate, outdoor measured	--	14900	m ³ /h
Sound power level, outdoor	LWA	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:

Information requirements for air-to-air conditioners							
Model(s): LV-RSO500-I4M							
Test matching indoor units form, ducted: 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							
Driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	50.0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	272	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	50.00	kW	$T_j=+35^\circ\text{C}$	EER_d	3.62	--
$T_j=+30^\circ\text{C}$	P_{dc}	36.84	kW	$T_j=+30^\circ\text{C}$	EER_d	4.84	--
$T_j=+25^\circ\text{C}$	P_{dc}	23.68	kW	$T_j=+25^\circ\text{C}$	EER_d	7.06	--
$T_j=+20^\circ\text{C}$	P_{dc}	12.84	kW	$T_j=+20^\circ\text{C}$	EER_d	15.65	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	15800	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:

Information requirements for heat pumps								
Model(s): LV-RSO500-I4M								
Test matching indoor units form, ducted: 4×LV-DH56-2DC+4×LV-DH71-2DC								
Outdoor side heat exchanger of air conditioner: air								
Indoor side heat exchanger of air conditioner: air								
If the heater is equipped with a supplementary heater: no								
Driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	50.0	kW		Seasonal space heating energy efficiency	η _{s,h}	165	%
Declared heating capacity for part load at indoor temperature 20°C 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°C	P _{dh}	25.65	kW		T _j =-7°C	COP _d	2.61	--
T _j =+2°C	P _{dh}	15.62	kW		T _j =+2°C	COP _d	4.01	--
T _j =+7°C	P _{dh}	10.37	kW		T _j =+7°C	COP _d	5.80	--
T _j =+12°C	P _{dh}	9.03	kW		T _j =+12°C	COP _d	7.45	--
T _{biv} =bivalent temperature	P _{dh}	29.00	kW		T _{biv} =bivalent temperature	COP _d	2.11	--
T _{OL} =operation temperature	P _{dh}	29.00	kW		T _{OL} =operation temperature	COP _d	2.11	--
Bivalent temperature	T _{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)								
	C _{dh}	0.25	--		Supplementary heater			
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P _{OFF}	0.05	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.05	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.05	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	15800	m ³ /h
Sound power level, outdoor	LWA	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:

Information requirements for air-to-air conditioners							
Model(s): LV-RSO252-I4M							
Test matching indoor units form2, cassette: 4×LV-C4*56-2DC							
Outdoor side heat exchanger of air conditioner: air							
Indoor side heat exchanger of air conditioner: air							
Type: compressor driven							
Driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	22.4	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	287	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	22.40	kW	$T_j=+35^\circ\text{C}$	EER_d	4.10	--
$T_j=+30^\circ\text{C}$	P_{dc}	16.51	kW	$T_j=+30^\circ\text{C}$	EER_d	5.87	--
$T_j=+25^\circ\text{C}$	P_{dc}	10.61	kW	$T_j=+25^\circ\text{C}$	EER_d	9.10	--
$T_j=+20^\circ\text{C}$	P_{dc}	9.56	kW	$T_j=+20^\circ\text{C}$	EER_d	10.47	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	9000	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:

Information requirements for heat pumps								
Model(s): LV-RSO252-I4M								
Test matching indoor units form2, cassette: 4×LV-C4*56-2DC								
Outdoor side heat exchanger of air conditioner: air								
Indoor side heat exchanger of air conditioner: air								
If the heater is equipped with a supplementary heater: no								
Driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	22.4	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	165	%
Declared heating capacity for part load at indoor temperature 20°C 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			
$T_j=-7^\circ\text{C}$	P_{dh}	12.12	kW		$T_j=-7^\circ\text{C}$	COP_d	2.99	--
$T_j=+2^\circ\text{C}$	P_{dh}	7.38	kW		$T_j=+2^\circ\text{C}$	COP_d	3.98	--
$T_j=+7^\circ\text{C}$	P_{dh}	5.84	kW		$T_j=+7^\circ\text{C}$	COP_d	5.73	--
$T_j=+12^\circ\text{C}$	P_{dh}	6.96	kW		$T_j=+12^\circ\text{C}$	COP_d	6.92	--
T_{biv} =bivalent temperature	P_{dh}	13.70	kW		T_{biv} =bivalent temperature	COP_d	2.91	--
T_{OL} =operation temperature	P_{dh}	13.70	kW		T_{OL} =operation temperature	COP_d	2.91	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)								
	C_{dh}	0.25	--		Supplementary heater			
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.05	kW		Back-up heating capacity(*)	e_{lbu}	0	kW
Thermosat-off mode	P_{TO}	0.05	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.05	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	9000	m ³ /h
Sound power level, outdoor	LWA	78	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:

Information requirements for air-to-air conditioners							
Model(s): LV-RSO280-I4M							
Test matching indoor units form2, cassette: 4×LV-C4*71-2DC							
Outdoor side heat exchanger of air conditioner: air							
Indoor side heat exchanger of air conditioner: air							
Type: compressor driven							
Driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	28.0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	265	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	28.00	kW	$T_j=+35^\circ\text{C}$	EER_d	3.60	--
$T_j=+30^\circ\text{C}$	P_{dc}	20.63	kW	$T_j=+30^\circ\text{C}$	EER_d	4.92	--
$T_j=+25^\circ\text{C}$	P_{dc}	13.26	kW	$T_j=+25^\circ\text{C}$	EER_d	7.63	--
$T_j=+20^\circ\text{C}$	P_{dc}	9.85	kW	$T_j=+20^\circ\text{C}$	EER_d	12.82	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	9500	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:

Information requirements for heat pumps								
Model(s): LV-RSO280-I4M								
Test matching indoor units form2, cassette: 4×LV-C4*71-2DC								
Outdoor side heat exchanger of air conditioner: air								
Indoor side heat exchanger of air conditioner: air								
If the heater is equipped with a supplementary heater: no								
Driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	28.0	kW		Seasonal space heating energy efficiency	η _{s,h}	167	%
Declared heating capacity for part load at indoor temperature 20°C 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°C	P _{dh}	14.15	kW		T _j =-7°C	COP _d	2.76	--
T _j =+2°C	P _{dh}	8.62	kW		T _j =+2°C	COP _d	3.99	--
T _j =+7°C	P _{dh}	5.84	kW		T _j =+7°C	COP _d	5.96	--
T _j =+12°C	P _{dh}	6.97	kW		T _j =+12°C	COP _d	7.20	--
T _{biv} =bivalent temperature	P _{dh}	16.00	kW		T _{biv} =bivalent temperature	COP _d	2.70	--
T _{OL} =operation temperature	P _{dh}	16.00	kW		T _{OL} =operation temperature	COP _d	2.70	--
Bivalent temperature	T _{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P _{OFF}	0.05	kW		Back-up heating capacity(*)	e _{lbu}	0	kW
Thermosat-off mode	P _{TO}	0.05	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.05	kW
Capacity control	variable				For air-to-air heat pump:air flow rate, outdoor measured	--	9500	m ³ /h
Sound power level, outdoor	LWA	78	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:

Information requirements for air-to-air conditioners							
Model(s): LV-RSO335-I4M							
Test matching indoor units form2, cassette: 6×LV-C4*56-2DC							
Outdoor side heat exchanger of air conditioner: air							
Indoor side heat exchanger of air conditioner: air							
Type: compressor driven							
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	$\eta_{s,c}$	258	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	33.50	kW	$T_j=+35^\circ\text{C}$	EER_d	3.50	--
$T_j=+30^\circ\text{C}$	P_{dc}	24.68	kW	$T_j=+30^\circ\text{C}$	EER_d	4.72	--
$T_j=+25^\circ\text{C}$	P_{dc}	15.87	kW	$T_j=+25^\circ\text{C}$	EER_d	6.83	--
$T_j=+20^\circ\text{C}$	P_{dc}	9.65	kW	$T_j=+20^\circ\text{C}$	EER_d	14.25	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	10000	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:

Information requirements for heat pumps								
Model(s): LV-RSO335-I4M								
Test matching indoor units form2, cassette: 6×LV-C4*56-2DC								
Outdoor side heat exchanger of air conditioner: air								
Indoor side heat exchanger of air conditioner: air								
If the heater is equipped with a supplementary heater: no								
Driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	33.5	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	180	%
Declared heating capacity for part load at indoor temperature 20°C 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			
$T_j=-7^\circ\text{C}$	P_{dh}	16.30	kW		$T_j=-7^\circ\text{C}$	COP_d	2.82	--
$T_j=+2^\circ\text{C}$	P_{dh}	9.92	kW		$T_j=+2^\circ\text{C}$	COP_d	4.35	--
$T_j=+7^\circ\text{C}$	P_{dh}	6.64	kW		$T_j=+7^\circ\text{C}$	COP_d	6.41	--
$T_j=+12^\circ\text{C}$	P_{dh}	5.78	kW		$T_j=+12^\circ\text{C}$	COP_d	7.70	--
T_{biv} =bivalent temperature	P_{dh}	18.43	kW		T_{biv} =bivalent temperature	COP_d	2.66	--
T_{OL} =operation temperature	P_{dh}	18.43	kW		T_{OL} =operation temperature	COP_d	2.66	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--					
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.05	kW		Back-up heating capacity(*)	e_{lbu}	0	kW
Thermosat-off mode	P_{TO}	0.05	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.05	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	10000	m ³ /h
Sound power level, outdoor	LWA	81	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:

Information requirements for air-to-air conditioners							
Model(s): LV-RSO400-I4M							
Test matching indoor units form2, cassette: 2×LV-C4*56-2DC+4×LV-C4*71-2DC							
Outdoor side heat exchanger of air conditioner: air							
Indoor side heat exchanger of air conditioner: air							
Type: compressor driven							
Driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	40.0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	265	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	40.00	kW	$T_j=+35^\circ\text{C}$	EER_d	3.45	--
$T_j=+30^\circ\text{C}$	P_{dc}	29.47	kW	$T_j=+30^\circ\text{C}$	EER_d	4.77	--
$T_j=+25^\circ\text{C}$	P_{dc}	18.95	kW	$T_j=+25^\circ\text{C}$	EER_d	7.17	--
$T_j=+20^\circ\text{C}$	P_{dc}	12.72	kW	$T_j=+20^\circ\text{C}$	EER_d	14.81	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	14000	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:

Information requirements for heat pumps								
Model(s): LV-RSO400-I4M								
Test matching indoor units form2, cassette: 2×LV-C4*56-2DC+4×LV-C4*71-2DC								
Outdoor side heat exchanger of air conditioner: air								
Indoor side heat exchanger of air conditioner: air								
If the heater is equipped with a supplementary heater: no								
Driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	40.0	kW		Seasonal space heating energy efficiency	η _{s,h}	171	%
Declared heating capacity for part load at indoor temperature 20°C 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°C	P _{dh}	19.46	kW		T _j =-7°C	COP _d	3.02	--
T _j =+2°C	P _{dh}	11.85	kW		T _j =+2°C	COP _d	4.10	--
T _j =+7°C	P _{dh}	9.14	kW		T _j =+7°C	COP _d	5.95	--
T _j =+12°C	P _{dh}	8.46	kW		T _j =+12°C	COP _d	7.38	--
T _{biv} =bivalent temperature	P _{dh}	22.00	kW		T _{biv} =bivalent temperature	COP _d	2.67	--
T _{OL} =operation temperature	P _{dh}	22.00	kW		T _{OL} =operation temperature	COP _d	2.67	--
Bivalent temperature	T _{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)								
	C _{dh}	0.25	--		Supplementary heater			
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P _{OFF}	0.05	kW		Back-up heating capacity(*)	e _{lbu}	0	kW
Thermosat-off mode	P _{TO}	0.05	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.05	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	14000	m ³ /h
Sound power level, outdoor	LWA	81	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:

Information requirements for air-to-air conditioners							
Model(s): LV-RSO450-I4M							
Test matching indoor units form2, cassette: 4×LV-C4*71-2DC+2×LV-C4*80-2DC							
Outdoor side heat exchanger of air conditioner: air							
Indoor side heat exchanger of air conditioner: air							
Type: compressor driven							
Driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	45.0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	245	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	45.00	kW	$T_j=+35^\circ\text{C}$	EER_d	3.20	--
$T_j=+30^\circ\text{C}$	P_{dc}	33.16	kW	$T_j=+30^\circ\text{C}$	EER_d	4.23	--
$T_j=+25^\circ\text{C}$	P_{dc}	21.32	kW	$T_j=+25^\circ\text{C}$	EER_d	6.68	--
$T_j=+20^\circ\text{C}$	P_{dc}	11.64	kW	$T_j=+20^\circ\text{C}$	EER_d	13.66	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	14900	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:

Information requirements for heat pumps								
Model(s): LV-RSO450-I4M								
Test matching indoor units form2, cassette: 4×LV-C4*71-2DC+2×LV-C4*80-2DC								
Outdoor side heat exchanger of air conditioner: air								
Indoor side heat exchanger of air conditioner: air								
If the heater is equipped with a supplementary heater: no								
Driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	45.0	kW		Seasonal space heating energy efficiency	η _{s,h}	169	%
Declared heating capacity for part load at indoor temperature 20°C 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°C	P _{dh}	23.09	kW		T _j =-7°C	COP _d	2.56	--
T _j =+2°C	P _{dh}	14.05	kW		T _j =+2°C	COP _d	4.20	--
T _j =+7°C	P _{dh}	9.14	kW		T _j =+7°C	COP _d	5.87	--
T _j =+12°C	P _{dh}	8.46	kW		T _j =+12°C	COP _d	7.29	--
T _{biv} =bivalent temperature	P _{dh}	26.10	kW		T _{biv} =bivalent temperature	COP _d	2.36	--
T _{OL} =operation temperature	P _{dh}	26.10	kW		T _{OL} =operation temperature	COP _d	2.36	--
Bivalent temperature	T _{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)								
	C _{dh}	0.25	--		Supplementary heater			
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P _{OFF}	0.05	kW		Back-up heating capacity(*)	e _{lbu}	0	kW
Thermosat-off mode	P _{TO}	0.05	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.05	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	14900	m ³ /h
Sound power level, outdoor	LWA	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:

Information requirements for air-to-air conditioners							
Model(s): LV-RSO500-I4M							
Test matching indoor units form2, cassette: 4×LV-C4*56-2DC+4×LV-C4*71-2DC							
Outdoor side heat exchanger of air conditioner: air							
Indoor side heat exchanger of air conditioner: air							
Type: compressor driven							
Driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	50.0	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	262	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j=+35^\circ\text{C}$	P_{dc}	50.00	kW	$T_j=+35^\circ\text{C}$	EER_d	3.06	--
$T_j=+30^\circ\text{C}$	P_{dc}	36.84	kW	$T_j=+30^\circ\text{C}$	EER_d	4.60	--
$T_j=+25^\circ\text{C}$	P_{dc}	23.68	kW	$T_j=+25^\circ\text{C}$	EER_d	6.91	--
$T_j=+20^\circ\text{C}$	P_{dc}	12.98	kW	$T_j=+20^\circ\text{C}$	EER_d	16.40	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	15800	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:

Information requirements for heat pumps								
Model(s): LV-RSO500-I4M								
Test matching indoor units form2, cassette: 4×LV-C4*56-2DC+4×LV-C4*71-2DC								
Outdoor side heat exchanger of air conditioner: air								
Indoor side heat exchanger of air conditioner: air								
If the heater is equipped with a supplementary heater: no								
Driver of compressor: electric motor								
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	50.0	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	169	%
Declared heating capacity for part load at indoor temperature 20°C 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			
$T_j=-7^\circ\text{C}$	P_{dh}	25.65	kW		$T_j=-7^\circ\text{C}$	COP_d	2.60	--
$T_j=+2^\circ\text{C}$	P_{dh}	15.62	kW		$T_j=+2^\circ\text{C}$	COP_d	4.16	--
$T_j=+7^\circ\text{C}$	P_{dh}	10.11	kW		$T_j=+7^\circ\text{C}$	COP_d	5.98	--
$T_j=+12^\circ\text{C}$	P_{dh}	8.61	kW		$T_j=+12^\circ\text{C}$	COP_d	7.13	--
T_{biv} =bivalent temperature	P_{dh}	29.00	kW		T_{biv} =bivalent temperature	COP_d	2.24	--
T_{OL} =operation temperature	P_{dh}	29.00	kW		T_{OL} =operation temperature	COP_d	2.24	--
Bivalent temperature	T_{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)								
	C_{dh}	0.25	--		Supplementary heater			
Power consumption in modes other than "active mode"					Supplementary heater			
Off mode	P_{OFF}	0.05	kW		Back-up heating capacity(*)	e_{bu}	0	kW
Thermosat-off mode	P_{TO}	0.05	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.05	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	15800	m ³ /h
Sound power level, outdoor	LWA	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.								

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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