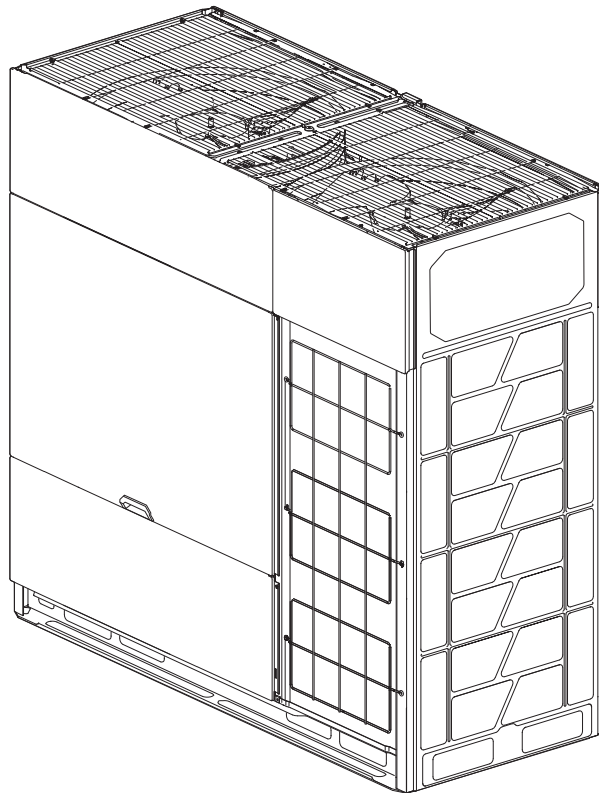




SISTEMAS VRV UD. EXTERIOR

VRF SYSTEM OUTDOOR UNIT
SYSTÈME VRV UNITÉ EXTÉRIEURE
SISTEMA VRV UNIDADE EXTERIOR



SERIE JR8V

REQUISITOS DE INFORMACIÓN

INFORMATION REQUIREMENTS
BESOINS D'INFORMATION
REQUISITOS DE INFORMAÇÃO



Escanee para ver este manual en otros idiomas y actualizaciones
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Manual em outras línguas e atualizações

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1 FOR JR8V COMBINABLE SERIES

8HP

Cooling mode:

Information requirements for air-to-air conditioners								
Model(s):VARO252R8V								
Test matching indoor units form, cassette: 1×VARI45CSTC+3×VARI71CST								
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	$P_{rated,c}$	25.20	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	290.3	%
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}	25.20	kW		$T_j=+35^\circ\text{C}$	EER_d	3.21	--
$T_j=+30^\circ\text{C}$	P_{dc}	18.57	kW		$T_j=+30^\circ\text{C}$	EER_d	4.96	--
$T_j=+25^\circ\text{C}$	P_{dc}	11.94	kW		$T_j=+25^\circ\text{C}$	EER_d	8.35	--
$T_j=+20^\circ\text{C}$	P_{dc}	7.83	kW		$T_j=+20^\circ\text{C}$	EER_d	16.60	--
Degradation co-efficient for air conditioners(*)								
	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	12600	m ³ /h
Sound power level, outdoor	L_{WA}	83	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.								

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Heating mode:

Information requirements for heat pumps								
Model(s):VARO252R8V								
Test matching indoor units form, cassette: 1×VARI45CSTC+3×VARI71CST								
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	$P_{rated,h}$	25.20	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	170.0	%
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	2.68	--
$T_j=+2^\circ\text{C}$	P_{dh}	7.38	kW		$T_j=+2^\circ\text{C}$	COP_d	4.17	--
$T_j=+7^\circ\text{C}$	P_{dh}	5.57	kW		$T_j=+7^\circ\text{C}$	COP_d	6.11	--
$T_j=+12^\circ\text{C}$	P_{dh}	6.24	kW		$T_j=+12^\circ\text{C}$	COP_d	7.65	--
T_{biv} =bivalent temperature	P_{dh}	13.70	kW		T_{biv} =bivalent temperature	COP_d	2.26	--
T_{OL} =operation temperature	P_{dh}	13.70	kW		T_{OL} =operation temperature	COP_d	2.26	--
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"				Back-up heating capacity(*)				
Off mode	P_{OFF}	0.005	kW		elbu	0	kW	
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	12600	m ³ /h
Sound power level,outdoor	LWA	83	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.								

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Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO280R8V							
Test matching indoor units form, cassette: 3×VARI71CST+1×VARI80CST							
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	$P_{rated,c}$	28.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	287.0	%
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	3.20	--
$T_j=+30^\circ\text{C}$	P_{dc}	20.63	kW	$T_j=+30^\circ\text{C}$	EER_d	4.81	--
$T_j=+25^\circ\text{C}$	P_{dc}	13.26	kW	$T_j=+25^\circ\text{C}$	EER_d	8.15	--
$T_j=+20^\circ\text{C}$	P_{dc}	7.97	kW	$T_j=+20^\circ\text{C}$	EER_d	17.03	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	12600	m ³ /h
Sound power level, outdoor	L_{WA}	84	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.							

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Heating mode:

Information requirements for heat pumps								
Model(s):VARO280R8V Test matching indoor units form, cassette: 3×VARI71CST+1×VARI80CST								
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}	28.00	kW		Seasonal space heating energy efficiency	η _{s,h}	167.7	%
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	2.50	--
T _j =+2°C	P _{dh}	8.62	kW		T _j =+2°C	COP _d	4.07	--
T _j =+7°C	P _{dh}	5.77	kW		T _j =+7°C	COP _d	6.18	--
T _j =+12°C	P _{dh}	6.45	kW		T _j =+12°C	COP _d	7.73	--
T _{biv} =bivalent temperature	P _{dh}	16.00	kW		T _{biv} =bivalent temperature	COP _d	2.10	--
T _{OL} =operation temperature	P _{dh}	16.00	kW		T _{OL} =operation temperature	COP _d	2.10	--
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}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	12600	m³/h
Sound power level,outdoor	L _{WA}	84	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.								

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Cooling mode:

Information requirements for air-to-air conditioners								
Model(s):VARO335R8V								
Test matching indoor units form, cassette: 3×VARI45CSTC+3×VARI71CST								
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	$P_{rated,c}$	33.50	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	284.5	%
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	2.88	--
$T_j=+30^\circ\text{C}$	P_{dc}	24.68	kW		$T_j=+30^\circ\text{C}$	EER_d	4.84	--
$T_j=+25^\circ\text{C}$	P_{dc}	15.87	kW		$T_j=+25^\circ\text{C}$	EER_d	8.23	--
$T_j=+20^\circ\text{C}$	P_{dc}	8.87	kW		$T_j=+20^\circ\text{C}$	EER_d	16.68	--
Degradation co-efficient for air conditioners(*)								
	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	13500	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.								

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Heating mode:

Information requirements for heat pumps								
Model(s):VARO335R8V Test matching indoor units form, cassette: 3×VARI45CSTC+3×VARI71CST								
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	$P_{rated,h}$	33.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	168.5	%
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}	16.28	kW		$T_j=-7^\circ\text{C}$	COP_d	2.50	--
$T_j=+2^\circ\text{C}$	P_{dh}	9.91	kW		$T_j=+2^\circ\text{C}$	COP_d	3.97	--
$T_j=+7^\circ\text{C}$	P_{dh}	6.37	kW		$T_j=+7^\circ\text{C}$	COP_d	6.50	--
$T_j=+12^\circ\text{C}$	P_{dh}	6.44	kW		$T_j=+12^\circ\text{C}$	COP_d	8.30	--
T_{biv} =bivalent temperature	P_{dh}	18.40	kW		T_{biv} =bivalent temperature	COP_d	2.18	--
T_{OL} =operation temperature	P_{dh}	18.40	kW		T_{OL} =operation temperature	COP_d	2.18	--
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"					Back-up heating capacity(*)			
Off mode	P_{OFF}	0.005	kW		elbu	0	kW	
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	13500	m ³ /h
Sound power level,outdoor	LWA	85	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.								

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Cooling mode:

Information requirements for air-to-air conditioners								
Model(s):VARO400R8V								
Test matching indoor units form, cassette: 2×VARI45CSTC+4×VARI80CST								
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	$P_{rated,c}$	40.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	288.1	%
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	2.85	--
$T_j=+30^\circ\text{C}$	P_{dc}	29.47	kW		$T_j=+30^\circ\text{C}$	EER_d	4.78	--
$T_j=+25^\circ\text{C}$	P_{dc}	18.95	kW		$T_j=+25^\circ\text{C}$	EER_d	8.25	--
$T_j=+20^\circ\text{C}$	P_{dc}	8.42	kW		$T_j=+20^\circ\text{C}$	EER_d	17.63	--
Degradation co-efficient for air conditioners(*)								
	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	15600	m ³ /h
Sound power level, outdoor	L_{WA}	86	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.								

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Heating mode:

Information requirements for heat pumps							
Model(s):VARO400R8V							
Test matching indoor units form, cassette: 2×VARI45CSTC+4×VARI80CST							
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}	40.00	kW	Seasonal space heating energy efficiency	η _{s,h}	171.8	%
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	2.58	--
T _j =+2°C	P _{dh}	11.85	kW	T _j =+2°C	COP _d	4.11	--
T _j =+7°C	P _{dh}	7.62	kW	T _j =+7°C	COP _d	6.43	--
T _j =+12°C	P _{dh}	7.79	kW	T _j =+12°C	COP _d	8.16	--
T _{biv} =bivalent temperature	P _{dh}	22.00	kW	T _{biv} =bivalent temperature	COP _d	2.16	--
T _{OL} =operation temperature	P _{dh}	22.00	kW	T _{OL} =operation temperature	COP _d	2.16	--
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}	0.005	kW	Back-up heating capacity(*)	e _{lbu}	0	kW
Thermosat-off mode	P _{TO}	0.005	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW	Standby mode	P _{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air heat pump: air flow rate, outdoor measured	--	15600	m ³ /h
Sound power level,outdoor	LWA	86	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.							

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Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO450R8V							
Test matching indoor units form, cassette: 1×VARI71CST+5×VARI80CST							
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	$P_{rated,c}$	45.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	270.1	%
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	2.45	--
$T_j=+30^\circ\text{C}$	P_{dc}	33.16	kW	$T_j=+30^\circ\text{C}$	EER_d	4.38	--
$T_j=+25^\circ\text{C}$	P_{dc}	21.32	kW	$T_j=+25^\circ\text{C}$	EER_d	7.93	--
$T_j=+20^\circ\text{C}$	P_{dc}	9.47	kW	$T_j=+20^\circ\text{C}$	EER_d	17.87	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	15600	m ³ /h
Sound power level, outdoor	L_{WA}	86	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.							

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Heating mode:

Information requirements for heat pumps								
Model(s):VARO450R8V								
Test matching indoor units form, cassette: 1×VARI71CST+5×VARI80CST								
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	$P_{rated,h}$	45.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	167.7	%
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}	21.89	kW		$T_j=-7^\circ\text{C}$	COP_d	2.47	--
$T_j=+2^\circ\text{C}$	P_{dh}	13.33	kW		$T_j=+2^\circ\text{C}$	COP_d	4.00	--
$T_j=+7^\circ\text{C}$	P_{dh}	8.57	kW		$T_j=+7^\circ\text{C}$	COP_d	6.36	--
$T_j=+12^\circ\text{C}$	P_{dh}	8.01	kW		$T_j=+12^\circ\text{C}$	COP_d	8.18	--
T_{biv} =bivalent temperature	P_{dh}	24.75	kW		T_{biv} =bivalent temperature	COP_d	2.06	--
T_{oL} =operation temperature	P_{dh}	24.75	kW		T_{oL} =operation temperature	COP_d	2.06	--
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"					Back-up heating capacity(*)			
Off mode	P_{OFF}	0.005	kW		e_{lbu}	0		kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	15600	m ³ /h
Sound power level,outdoor	LWA	86	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.								

18HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO500R8V Test matching indoor units form, cassette:2×VARI45CSTC+6×VARI71CST							
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	$P_{rated,c}$	50.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	278.2	%
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	2.76	--
$T_j=+30^\circ\text{C}$	P_{dc}	36.84	kW	$T_j=+30^\circ\text{C}$	EER_d	4.62	--
$T_j=+25^\circ\text{C}$	P_{dc}	23.68	kW	$T_j=+25^\circ\text{C}$	EER_d	8.08	--
$T_j=+20^\circ\text{C}$	P_{dc}	10.81	kW	$T_j=+20^\circ\text{C}$	EER_d	16.16	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	22000	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.							

18HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO500R8V								
Test matching indoor units form, cassette:2×VARI45CSTC+6×VARI71CST								
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}	50.00	kW		Seasonal space heating energy efficiency	η _{s,h}	167.0	%
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}	24.33	kW		T _j =-7°C	COP _d	2.55	--
T _j =+2°C	P _{dh}	14.81	kW		T _j =+2°C	COP _d	3.89	--
T _j =+7°C	P _{dh}	9.52	kW		T _j =+7°C	COP _d	6.58	--
T _j =+12°C	P _{dh}	6.27	kW		T _j =+12°C	COP _d	7.30	--
T _{biv} =bivalent temperature	P _{dh}	27.50	kW		T _{biv} =bivalent temperature	COP _d	2.13	--
T _{OL} =operation temperature	P _{dh}	27.50	kW		T _{OL} =operation temperature	COP _d	2.13	--
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"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		elbu	0	kW	
Thermostat-off mode	P _{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	22000	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, 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.								

20HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO560R8V							
Test matching indoor units form, cassette: 8×VARI71CST							
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	$P_{rated,c}$	56.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	262.2	%
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}	56.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.54	--
$T_j=+30^\circ\text{C}$	P_{dc}	41.26	kW	$T_j=+30^\circ\text{C}$	EER_d	4.37	--
$T_j=+25^\circ\text{C}$	P_{dc}	26.53	kW	$T_j=+25^\circ\text{C}$	EER_d	7.60	--
$T_j=+20^\circ\text{C}$	P_{dc}	11.79	kW	$T_j=+20^\circ\text{C}$	EER_d	15.60	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	22000	m^3/h
Sound power level, outdoor	L_{WA}	89	dB				
GWP of the refrigerant		2088	$\text{kg CO}_2 \text{ eq (100years)}$				
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.							

20HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO560R8V Test matching indoor units form,cassette: 8×VARI71CST								
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	$P_{rated,h}$	56.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	165.0	%
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}	27.42	kW		$T_j=-7^\circ\text{C}$	COP_d	2.64	--
$T_j=+2^\circ\text{C}$	P_{dh}	16.69	kW		$T_j=+2^\circ\text{C}$	COP_d	3.79	--
$T_j=+7^\circ\text{C}$	P_{dh}	10.73	kW		$T_j=+7^\circ\text{C}$	COP_d	6.41	--
$T_j=+12^\circ\text{C}$	P_{dh}	5.68	kW		$T_j=+12^\circ\text{C}$	COP_d	7.09	--
T_{biv} =bivalent temperature	P_{dh}	31.00	kW		T_{biv} =bivalent temperature	COP_d	2.13	--
T_{OL} =operation temperature	P_{dh}	31.00	kW		T_{OL} =operation temperature	COP_d	2.13	--
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"					Back-up heating capacity(*)			
Off mode	P_{OFF}	0.005	kW		e_{lbu}	0		kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	22000	m ³ /h
Sound power level,outdoor	LWA	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, 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.								

22HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO615R8V Test matching indoor units form, cassette:8×VARI80CST							
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	$P_{rated,c}$	61.50	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	262.3	%
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}	61.50	kW	$T_j=+35^\circ\text{C}$	EER_d	2.38	--
$T_j=+30^\circ\text{C}$	P_{dc}	45.32	kW	$T_j=+30^\circ\text{C}$	EER_d	4.53	--
$T_j=+25^\circ\text{C}$	P_{dc}	29.13	kW	$T_j=+25^\circ\text{C}$	EER_d	7.54	--
$T_j=+20^\circ\text{C}$	P_{dc}	12.95	kW	$T_j=+20^\circ\text{C}$	EER_d	15.75	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	21500	m^3/h
Sound power level, outdoor	L_{WA}	89	dB				
GWP of the refrigerant		2088	$\text{kg CO}_2 \text{ eq}$ (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.							

22HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO615R8V								
Test matching indoor units form, cassette: 8×VARI80CST								
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	$P_{rated,h}$	61.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	172.6	%
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}	29.90	kW		$T_j=-7^\circ\text{C}$	COP_d	2.66	--
$T_j=+2^\circ\text{C}$	P_{dh}	18.20	kW		$T_j=+2^\circ\text{C}$	COP_d	4.07	--
$T_j=+7^\circ\text{C}$	P_{dh}	11.70	kW		$T_j=+7^\circ\text{C}$	COP_d	6.53	--
$T_j=+12^\circ\text{C}$	P_{dh}	6.75	kW		$T_j=+12^\circ\text{C}$	COP_d	7.41	--
T_{biv} =bivalent temperature	P_{dh}	33.80	kW		T_{biv} =bivalent temperature	COP_d	2.13	--
T_{OL} =operation temperature	P_{dh}	33.80	kW		T_{OL} =operation temperature	COP_d	2.13	--
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"					Back-up heating capacity(*)			
Off mode	P_{OFF}	0.005	kW			e_{lbu}	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{sb}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	21500	m ³ /h
Sound power level,outdoor	LWA	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, 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.								

24HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO670R8V Test matching indoor units form, cassette:5×MIH80Q4N18(Q)+3×VARI80CST							
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	$P_{rated,c}$	67.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	242.4	%
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}	67.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.14	--
$T_j=+30^\circ\text{C}$	P_{dc}	49.37	kW	$T_j=+30^\circ\text{C}$	EER_d	4.21	--
$T_j=+25^\circ\text{C}$	P_{dc}	31.74	kW	$T_j=+25^\circ\text{C}$	EER_d	6.98	--
$T_j=+20^\circ\text{C}$	P_{dc}	14.11	kW	$T_j=+20^\circ\text{C}$	EER_d	14.80	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	21500	m^3/h
Sound power level, outdoor	L_{WA}	92	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.							

24HP

Heating mode:

Information requirements for heat pumps							
Model(s):VARO670R8V							
Test matching indoor units form, cassette: 5×VARI80CST+3×VARI100CST							
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	$P_{rated,h}$	67.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	169.8	%
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}	32.60	kW	$T_j=-7^\circ\text{C}$	COP_d	2.56	--
$T_j=+2^\circ\text{C}$	P_{dh}	19.84	kW	$T_j=+2^\circ\text{C}$	COP_d	3.97	--
$T_j=+7^\circ\text{C}$	P_{dh}	12.76	kW	$T_j=+7^\circ\text{C}$	COP_d	6.53	--
$T_j=+12^\circ\text{C}$	P_{dh}	6.45	kW	$T_j=+12^\circ\text{C}$	COP_d	7.73	--
T_{biv} =bivalent temperature	P_{dh}	36.85	kW	T_{biv} =bivalent temperature	COP_d	2.05	--
T_{OL} =operation temperature	P_{dh}	36.85	kW	T_{OL} =operation temperature	COP_d	2.05	--
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}	0.005	kW	Back-up heating capacity(*)	el_{bu}	0	kW
Thermosat-off mode	P_{TO}	0.005	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air heat pump: air flow rate, outdoor measured	--	21500	m ³ /h
Sound power level,outdoor	LWA	92	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.							

26HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO730R8V							
Test matching indoor units form, cassette::2×VARI80CST+6×VARI100CST							
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	$P_{rated,c}$	73.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	224.7	%
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}	73.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.06	--
$T_j=+30^\circ\text{C}$	P_{dc}	53.79	kW	$T_j=+30^\circ\text{C}$	EER_d	3.60	--
$T_j=+25^\circ\text{C}$	P_{dc}	34.58	kW	$T_j=+25^\circ\text{C}$	EER_d	6.84	--
$T_j=+20^\circ\text{C}$	P_{dc}	15.37	kW	$T_j=+20^\circ\text{C}$	EER_d	13.74	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	29000	m ³ /h
Sound power level, outdoor	L_{WA}	93	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.							

26HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO730R8V								
Test matching indoor units form, cassette:2×VARI80CST+6×VARI100CST								
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}	73.00	kW		Seasonal space heating energy efficiency	η _{s,h}	167.8	%
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}	38.04	kW		T _j =-7°C	COP _d	2.31	--
T _j =+2°C	P _{dh}	23.15	kW		T _j =+2°C	COP _d	3.89	--
T _j =+7°C	P _{dh}	14.88	kW		T _j =+7°C	COP _d	6.99	--
T _j =+12°C	P _{dh}	8.23	kW		T _j =+12°C	COP _d	8.99	--
T _{biv} =bivalent temperature	P _{dh}	43.00	kW		T _{biv} =bivalent temperature	COP _d	1.78	--
T _{OL} =operation temperature	P _{dh}	43.00	kW		T _{OL} =operation temperature	COP _d	1.78	--
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"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		elbu	0		kW
Thermosat-off mode	P _{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	29000	m ³ /h
Sound power level,outdoor	LWA	93	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.								

28HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO785R8V Test matching indoor units form, cassette:8×VARI100CST							
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	$P_{rated,c}$	78.50	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	237.8	%
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}	78.50	kW	$T_j=+35^\circ\text{C}$	EER_d	2.42	--
$T_j=+30^\circ\text{C}$	P_{dc}	57.84	kW	$T_j=+30^\circ\text{C}$	EER_d	3.88	--
$T_j=+25^\circ\text{C}$	P_{dc}	37.18	kW	$T_j=+25^\circ\text{C}$	EER_d	7.02	--
$T_j=+20^\circ\text{C}$	P_{dc}	16.53	kW	$T_j=+20^\circ\text{C}$	EER_d	13.54	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level, outdoor	L_{WA}	93	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.							

28HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO785R8V Test matching indoor units form, cassette: 8×VARI100CST								
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	$P_{rated,h}$	78.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	168.2	%
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}	38.04	kW		$T_j=-7^\circ\text{C}$	COP_d	2.38	--
$T_j=+2^\circ\text{C}$	P_{dh}	23.15	kW		$T_j=+2^\circ\text{C}$	COP_d	3.90	--
$T_j=+7^\circ\text{C}$	P_{dh}	14.88	kW		$T_j=+7^\circ\text{C}$	COP_d	6.82	--
$T_j=+12^\circ\text{C}$	P_{dh}	8.27	kW		$T_j=+12^\circ\text{C}$	COP_d	8.77	--
T_{biv} =bivalent temperature	P_{dh}	43.00	kW		T_{biv} =bivalent temperature	COP_d	1.97	--
T_{OL} =operation temperature	P_{dh}	43.00	kW		T_{OL} =operation temperature	COP_d	1.97	--
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}	0.005	kW		Back-up heating capacity(*)	e_{lbu}	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	28000	m ³ /h
Sound power level,outdoor	LWA	93	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.								

30HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO850R8V							
Test matching indoor units form, cassette: 6×VARI100CST+2×VARI140CST							
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	$P_{rated,c}$	85.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	234.1	%
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}	85.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.25	--
$T_j=+30^\circ\text{C}$	P_{dc}	62.63	kW	$T_j=+30^\circ\text{C}$	EER_d	3.79	--
$T_j=+25^\circ\text{C}$	P_{dc}	40.26	kW	$T_j=+25^\circ\text{C}$	EER_d	7.01	--
$T_j=+20^\circ\text{C}$	P_{dc}	17.89	kW	$T_j=+20^\circ\text{C}$	EER_d	13.76	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	28000	m ³ /h
Sound power level, outdoor	L_{WA}	93	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.							

30HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO850R8V Test matching indoor units form, cassette: 6×VARI100CST+2×VARI140CST								
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}	85.00	kW		Seasonal space heating energy efficiency	η _{s,h}	165.0	%
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}	39.81	kW		T _j =-7°C	COP _d	2.45	--
T _j =+2°C	P _{dh}	24.23	kW		T _j =+2°C	COP _d	3.74	--
T _j =+7°C	P _{dh}	15.58	kW		T _j =+7°C	COP _d	6.77	--
T _j =+12°C	P _{dh}	8.32	kW		T _j =+12°C	COP _d	8.70	--
T _{biv} =bivalent temperature	P _{dh}	45.00	kW		T _{biv} =bivalent temperature	COP _d	1.90	--
T _{OL} =operation temperature	P _{dh}	45.00	kW		T _{OL} =operation temperature	COP _d	1.90	--
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"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		elbu	0	kW	
Thermosat-off mode	P _{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	28000	m ³ /h
Sound power level,outdoor	L _{WA}	93	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.								

32HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO900R8V							
Test matching indoor units form, cassette: 5×VARI100CST+3×VARI140CST							
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	$P_{rated,c}$	90.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	228.1	%
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}	90.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.05	--
$T_j=+30^\circ\text{C}$	P_{dc}	66.32	kW	$T_j=+30^\circ\text{C}$	EER_d	3.72	--
$T_j=+25^\circ\text{C}$	P_{dc}	42.63	kW	$T_j=+25^\circ\text{C}$	EER_d	6.98	--
$T_j=+20^\circ\text{C}$	P_{dc}	18.95	kW	$T_j=+20^\circ\text{C}$	EER_d	13.55	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	28000	m ³ /h
Sound power level, outdoor	L_{WA}	93	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.							

32HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO900R8V Test matching indoor units form, cassette:5×VARI100CST+3×VARI140CST								
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}	90.00	kW		Seasonal space heating energy efficiency	η _{s,h}	165.0	%
Declared heating capacity for part load at indoor teperature 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}	39.81	kW		T _j =-7°C	COP _d	2.41	--
T _j =+2°C	P _{dh}	24.23	kW		T _j =+2°C	COP _d	3.75	--
T _j =+7°C	P _{dh}	15.58	kW		T _j =+7°C	COP _d	6.84	--
T _j =+12°C	P _{dh}	8.22	kW		T _j =+12°C	COP _d	8.79	--
T _{biv} =bivalent temperature	P _{dh}	45.00	kW		T _{biv} =bivalent temperature	COP _d	1.86	--
T _{OL} =operation temperature	P _{dh}	45.00	kW		T _{OL} =operation temperature	COP _d	1.86	--
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"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		elbu	0	kW	
Thermosat-off mode	P _{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	28000	m ³ /h
Sound power level,outdoor	LWA	93	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.								

2 FOR JR8V INDIVIDUAL SERIES

8HP

Cooling mode:

Information requirements for air-to-air conditioners								
Model(s):VARO252R8V								
Test matching indoor units form, cassette: 1×VARI45CSTC+3×VARI71CST								
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	$P_{rated,c}$	25.20	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	290.3	%
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}	25.20	kW		$T_j=+35^\circ\text{C}$	EER_d	3.21	--
$T_j=+30^\circ\text{C}$	P_{dc}	18.57	kW		$T_j=+30^\circ\text{C}$	EER_d	4.96	--
$T_j=+25^\circ\text{C}$	P_{dc}	11.94	kW		$T_j=+25^\circ\text{C}$	EER_d	8.35	--
$T_j=+20^\circ\text{C}$	P_{dc}	7.83	kW		$T_j=+20^\circ\text{C}$	EER_d	16.60	--
Degradation co-efficient for air conditioners(*)								
	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	12600	m ³ /h
Sound power level, outdoor	L_{WA}	83	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.								

8HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO252R8V								
Test matching indoor units form, cassette: 1×VARI45CSTC+3×VARI71CST								
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	$P_{rated,h}$	25.20	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	170.0	%
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	2.68	--
$T_j=+2^\circ\text{C}$	P_{dh}	7.38	kW		$T_j=+2^\circ\text{C}$	COP_d	4.17	--
$T_j=+7^\circ\text{C}$	P_{dh}	5.57	kW		$T_j=+7^\circ\text{C}$	COP_d	6.11	--
$T_j=+12^\circ\text{C}$	P_{dh}	6.24	kW		$T_j=+12^\circ\text{C}$	COP_d	7.65	--
T_{biv} =bivalent temperature	P_{dh}	13.70	kW		T_{biv} =bivalent temperature	COP_d	2.26	--
T_{OL} =operation temperature	P_{dh}	13.70	kW		T_{OL} =operation temperature	COP_d	2.26	--
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}	0.005	kW		Back-up heating capacity(*)	e_{lbu}	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	12600	m ³ /h
Sound power level,outdoor	LWA	83	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.								

10HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO280R8V							
Test matching indoor units form, cassette: 3×VARI71CST+1×VARI80CST							
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	$P_{rated,c}$	28.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	287.0	%
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	3.20	--
$T_j=+30^\circ\text{C}$	P_{dc}	20.63	kW	$T_j=+30^\circ\text{C}$	EER_d	4.81	--
$T_j=+25^\circ\text{C}$	P_{dc}	13.26	kW	$T_j=+25^\circ\text{C}$	EER_d	8.15	--
$T_j=+20^\circ\text{C}$	P_{dc}	7.97	kW	$T_j=+20^\circ\text{C}$	EER_d	17.03	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	12600	m ³ /h
Sound power level, outdoor	L_{WA}	84	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.							

10HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO280R8V Test matching indoor units form, cassette: 3×VARI71CST+1×VARI80CST								
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}	28.00	kW		Seasonal space heating energy efficiency	η _{s,h}	167.7	%
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	2.50	--
T _j =+2°C	P _{dh}	8.62	kW		T _j =+2°C	COP _d	4.07	--
T _j =+7°C	P _{dh}	5.77	kW		T _j =+7°C	COP _d	6.18	--
T _j =+12°C	P _{dh}	6.45	kW		T _j =+12°C	COP _d	7.73	--
T _{biv} =bivalent temperature	P _{dh}	16.00	kW		T _{biv} =bivalent temperature	COP _d	2.10	--
T _{OL} =operation temperature	P _{dh}	16.00	kW		T _{OL} =operation temperature	COP _d	2.10	--
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"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		elbu	0	kW	
Thermosat-off mode	P _{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	12600	m ³ /h
Sound power level,outdoor	L _{WA}	84	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.								

12HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO335R8V							
Test matching indoor units form, cassette: 3×VARI45CSTC+3×VARI71CST							
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	$P_{rated,c}$	33.50	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	284.5	%
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	2.88	--
$T_j=+30^\circ\text{C}$	P_{dc}	24.68	kW	$T_j=+30^\circ\text{C}$	EER_d	4.84	--
$T_j=+25^\circ\text{C}$	P_{dc}	15.87	kW	$T_j=+25^\circ\text{C}$	EER_d	8.23	--
$T_j=+20^\circ\text{C}$	P_{dc}	8.87	kW	$T_j=+20^\circ\text{C}$	EER_d	16.68	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	13500	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.							

12HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO335R8V Test matching indoor units form, cassette: 3×VARI45CSTC+3×VARI71CST								
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	$P_{rated,h}$	33.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	168.5	%
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}	16.28	kW		$T_j=-7^\circ\text{C}$	COP_d	2.50	--
$T_j=+2^\circ\text{C}$	P_{dh}	9.91	kW		$T_j=+2^\circ\text{C}$	COP_d	3.97	--
$T_j=+7^\circ\text{C}$	P_{dh}	6.37	kW		$T_j=+7^\circ\text{C}$	COP_d	6.50	--
$T_j=+12^\circ\text{C}$	P_{dh}	6.44	kW		$T_j=+12^\circ\text{C}$	COP_d	8.30	--
T_{biv} =bivalent temperature	P_{dh}	18.40	kW		T_{biv} =bivalent temperature	COP_d	2.18	--
T_{OL} =operation temperature	P_{dh}	18.40	kW		T_{OL} =operation temperature	COP_d	2.18	--
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"					Back-up heating capacity(*)			
Off mode	P_{OFF}	0.005	kW		elbu	0		kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	13500	m ³ /h
Sound power level,outdoor	LWA	85	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.								

14HP

Cooling mode:

Information requirements for air-to-air conditioners								
Model(s):VARO400R8V								
Test matching indoor units form, cassette: 2×VARI45CSTC+4×VARI80CST								
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	$P_{rated,c}$	40.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	288.1	%
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	2.85	--
$T_j=+30^\circ\text{C}$	P_{dc}	29.47	kW		$T_j=+30^\circ\text{C}$	EER_d	4.78	--
$T_j=+25^\circ\text{C}$	P_{dc}	18.95	kW		$T_j=+25^\circ\text{C}$	EER_d	8.25	--
$T_j=+20^\circ\text{C}$	P_{dc}	8.42	kW		$T_j=+20^\circ\text{C}$	EER_d	17.63	--
Degradation co-efficient for air conditioners(*)								
	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	15600	m ³ /h
Sound power level, outdoor	L_{WA}	86	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.								

14HP

Heating mode:

Information requirements for heat pumps							
Model(s):VARO400R8V							
Test matching indoor units form, cassette: 2×VARI45CSTC+4×VARI80CST							
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}	40.00	kW	Seasonal space heating energy efficiency	η _{s,h}	171.8	%
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	2.58	--
T _j =+2°C	P _{dh}	11.85	kW	T _j =+2°C	COP _d	4.11	--
T _j =+7°C	P _{dh}	7.62	kW	T _j =+7°C	COP _d	6.43	--
T _j =+12°C	P _{dh}	7.79	kW	T _j =+12°C	COP _d	8.16	--
T _{biv} =bivalent temperature	P _{dh}	22.00	kW	T _{biv} =bivalent temperature	COP _d	2.16	--
T _{OL} =operation temperature	P _{dh}	22.00	kW	T _{OL} =operation temperature	COP _d	2.16	--
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}	0.005	kW	Back-up heating capacity(*)	e _{lbu}	0	kW
Thermosat-off mode	P _{TO}	0.005	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW	Standby mode	P _{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air heat pump: air flow rate, outdoor measured	--	15600	m ³ /h
Sound power level,outdoor	LWA	86	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.							

16HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO450R8V							
Test matching indoor units form, cassette: 1×VARI71CST+5×VARI80CST							
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	$P_{rated,c}$	45.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	270.1	%
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	2.45	--
$T_j=+30^\circ\text{C}$	P_{dc}	33.16	kW	$T_j=+30^\circ\text{C}$	EER_d	4.38	--
$T_j=+25^\circ\text{C}$	P_{dc}	21.32	kW	$T_j=+25^\circ\text{C}$	EER_d	7.93	--
$T_j=+20^\circ\text{C}$	P_{dc}	9.47	kW	$T_j=+20^\circ\text{C}$	EER_d	17.87	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	15600	m ³ /h
Sound power level, outdoor	L_{WA}	86	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.							

16HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO450R8V								
Test matching indoor units form, cassette: 1×VARI71CST+5×VARI80CST								
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	$P_{rated,h}$	45.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	167.7	%
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}	21.89	kW		$T_j=-7^\circ\text{C}$	COP_d	2.47	--
$T_j=+2^\circ\text{C}$	P_{dh}	13.33	kW		$T_j=+2^\circ\text{C}$	COP_d	4.00	--
$T_j=+7^\circ\text{C}$	P_{dh}	8.57	kW		$T_j=+7^\circ\text{C}$	COP_d	6.36	--
$T_j=+12^\circ\text{C}$	P_{dh}	8.01	kW		$T_j=+12^\circ\text{C}$	COP_d	8.18	--
T_{biv} =bivalent temperature	P_{dh}	24.75	kW		T_{biv} =bivalent temperature	COP_d	2.06	--
T_{oL} =operation temperature	P_{dh}	24.75	kW		T_{oL} =operation temperature	COP_d	2.06	--
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"					Back-up heating capacity(*)			
Off mode	P_{OFF}	0.005	kW		e_{lbu}	0		kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	15600	m ³ /h
Sound power level,outdoor	LWA	86	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.								

18HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO500R8V Test matching indoor units form, cassette:2×VARI45CSTC+6×VARI71CST							
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	$P_{rated,c}$	50.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	278.2	%
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	2.76	--
$T_j=+30^\circ\text{C}$	P_{dc}	36.84	kW	$T_j=+30^\circ\text{C}$	EER_d	4.62	--
$T_j=+25^\circ\text{C}$	P_{dc}	23.68	kW	$T_j=+25^\circ\text{C}$	EER_d	8.08	--
$T_j=+20^\circ\text{C}$	P_{dc}	10.81	kW	$T_j=+20^\circ\text{C}$	EER_d	16.16	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	22000	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.							

18HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO500R8V								
Test matching indoor units form, cassette:2×VARI45CSTC+6×VARI71CST								
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}	50.00	kW		Seasonal space heating energy efficiency	η _{s,h}	167.0	%
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}	24.33	kW		T _j =-7°C	COP _d	2.55	--
T _j =+2°C	P _{dh}	14.81	kW		T _j =+2°C	COP _d	3.89	--
T _j =+7°C	P _{dh}	9.52	kW		T _j =+7°C	COP _d	6.58	--
T _j =+12°C	P _{dh}	6.27	kW		T _j =+12°C	COP _d	7.30	--
T _{biv} =bivalent temperature	P _{dh}	27.50	kW		T _{biv} =bivalent temperature	COP _d	2.13	--
T _{OL} =operation temperature	P _{dh}	27.50	kW		T _{OL} =operation temperature	COP _d	2.13	--
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"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		elbu	0		kW
Thermosat-off mode	P _{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	22000	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, 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.								

20HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO560R8V							
Test matching indoor units form, cassette: 8×VARI71CST							
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	$P_{rated,c}$	56.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	262.2	%
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}	56.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.54	--
$T_j=+30^\circ\text{C}$	P_{dc}	41.26	kW	$T_j=+30^\circ\text{C}$	EER_d	4.37	--
$T_j=+25^\circ\text{C}$	P_{dc}	26.53	kW	$T_j=+25^\circ\text{C}$	EER_d	7.60	--
$T_j=+20^\circ\text{C}$	P_{dc}	11.79	kW	$T_j=+20^\circ\text{C}$	EER_d	15.60	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	22000	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.							

20HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO560R8V Test matching indoor units form,cassette: 8×VARI71CST								
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}	56.00	kW		Seasonal space heating energy efficiency	η _{s,h}	165.0	%
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}	27.42	kW		T _j =-7°C	COP _d	2.64	--
T _j =+2°C	P _{dh}	16.69	kW		T _j =+2°C	COP _d	3.79	--
T _j =+7°C	P _{dh}	10.73	kW		T _j =+7°C	COP _d	6.41	--
T _j =+12°C	P _{dh}	5.68	kW		T _j =+12°C	COP _d	7.09	--
T _{biv} =bivalent temperature	P _{dh}	31.00	kW		T _{biv} =bivalent temperature	COP _d	2.13	--
T _{OL} =operation temperature	P _{dh}	31.00	kW		T _{OL} =operation temperature	COP _d	2.13	--
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"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		elbu	0		kW
Thermosat-off mode	P _{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	22000	m ³ /h
Sound power level,outdoor	LWA	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, 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.								

22HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO615R8V Test matching indoor units form, cassette:8×VARI80CST							
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	$P_{rated,c}$	61.50	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	262.3	%
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}	61.50	kW	$T_j=+35^\circ\text{C}$	EER_d	2.38	--
$T_j=+30^\circ\text{C}$	P_{dc}	45.32	kW	$T_j=+30^\circ\text{C}$	EER_d	4.53	--
$T_j=+25^\circ\text{C}$	P_{dc}	29.13	kW	$T_j=+25^\circ\text{C}$	EER_d	7.54	--
$T_j=+20^\circ\text{C}$	P_{dc}	12.95	kW	$T_j=+20^\circ\text{C}$	EER_d	15.75	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	21500	m^3/h
Sound power level, outdoor	L_{WA}	89	dB				
GWP of the refrigerant		2088	$\text{kg CO}_2 \text{ eq}$ (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.							

22HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO615R8V Test matching indoor units form, cassette: 8×VARI80CST								
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	$P_{rated,h}$	61.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	172.6	%
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}	29.90	kW		$T_j=-7^\circ\text{C}$	COP_d	2.66	--
$T_j=+2^\circ\text{C}$	P_{dh}	18.20	kW		$T_j=+2^\circ\text{C}$	COP_d	4.07	--
$T_j=+7^\circ\text{C}$	P_{dh}	11.70	kW		$T_j=+7^\circ\text{C}$	COP_d	6.53	--
$T_j=+12^\circ\text{C}$	P_{dh}	6.75	kW		$T_j=+12^\circ\text{C}$	COP_d	7.41	--
T_{biv} =bivalent temperature	P_{dh}	33.80	kW		T_{biv} =bivalent temperature	COP_d	2.13	--
T_{OL} =operation temperature	P_{dh}	33.80	kW		T_{OL} =operation temperature	COP_d	2.13	--
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"					Back-up heating capacity(*)			
Off mode	P_{OFF}	0.005	kW			e_{lbu}	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{sb}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	21500	m ³ /h
Sound power level,outdoor	LWA	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, 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.								

24HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO670R8V Test matching indoor units form, cassette:5×VARI80CST+3×VARI100CST							
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	$P_{rated,c}$	67.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	242.4	%
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}	67.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.14	--
$T_j=+30^\circ\text{C}$	P_{dc}	49.37	kW	$T_j=+30^\circ\text{C}$	EER_d	4.21	--
$T_j=+25^\circ\text{C}$	P_{dc}	31.74	kW	$T_j=+25^\circ\text{C}$	EER_d	6.98	--
$T_j=+20^\circ\text{C}$	P_{dc}	14.11	kW	$T_j=+20^\circ\text{C}$	EER_d	14.80	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	21500	m^3/h
Sound power level, outdoor	L_{WA}	92	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.							

24HP

Heating mode:

Information requirements for heat pumps							
Model(s):VARO670R8V Test matching indoor units form, cassette: 5×VARI80CST+3×VARI100CST							
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	$P_{rated,h}$	67.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	169.8	%
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}	32.60	kW	$T_j=-7^\circ\text{C}$	COP_d	2.56	--
$T_j=+2^\circ\text{C}$	P_{dh}	19.84	kW	$T_j=+2^\circ\text{C}$	COP_d	3.97	--
$T_j=+7^\circ\text{C}$	P_{dh}	12.76	kW	$T_j=+7^\circ\text{C}$	COP_d	6.53	--
$T_j=+12^\circ\text{C}$	P_{dh}	6.45	kW	$T_j=+12^\circ\text{C}$	COP_d	7.73	--
T_{biv} =bivalent temperature	P_{dh}	36.85	kW	T_{biv} =bivalent temperature	COP_d	2.05	--
T_{OL} =operation temperature	P_{dh}	36.85	kW	T_{OL} =operation temperature	COP_d	2.05	--
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}	0.005	kW	Back-up heating capacity(*)	el_{bu}	0	kW
Thermosat-off mode	P_{TO}	0.005	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air heat pump: air flow rate, outdoor measured	--	21500	m ³ /h
Sound power level,outdoor	LWA	92	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.							

26HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO730R8V							
Test matching indoor units form, cassette::2×VARI80CST+6×VARI100CST							
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	$P_{rated,c}$	73.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	224.7	%
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}	73.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.06	--
$T_j=+30^\circ\text{C}$	P_{dc}	53.79	kW	$T_j=+30^\circ\text{C}$	EER_d	3.60	--
$T_j=+25^\circ\text{C}$	P_{dc}	34.58	kW	$T_j=+25^\circ\text{C}$	EER_d	6.84	--
$T_j=+20^\circ\text{C}$	P_{dc}	15.37	kW	$T_j=+20^\circ\text{C}$	EER_d	13.74	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	29000	m ³ /h
Sound power level, outdoor	L_{WA}	93	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.							

26HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO730R8V Test matching indoor units form, cassette:2×VARI80CST+6×VARI100CST								
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}	73.00	kW		Seasonal space heating energy efficiency	η _{s,h}	167.8	%
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}	38.04	kW		T _j =-7°C	COP _d	2.31	--
T _j =+2°C	P _{dh}	23.15	kW		T _j =+2°C	COP _d	3.89	--
T _j =+7°C	P _{dh}	14.88	kW		T _j =+7°C	COP _d	6.99	--
T _j =+12°C	P _{dh}	8.23	kW		T _j =+12°C	COP _d	8.99	--
T _{biv} =bivalent temperature	P _{dh}	43.00	kW		T _{biv} =bivalent temperature	COP _d	1.78	--
T _{OL} =operation temperature	P _{dh}	43.00	kW		T _{OL} =operation temperature	COP _d	1.78	--
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}	0.005	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	29000	m ³ /h
Sound power level,outdoor	LWA	93	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.								

28HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO785R8V Test matching indoor units form, cassette:8×VARI100CST							
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	$P_{rated,c}$	78.50	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	237.8	%
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}	78.50	kW	$T_j=+35^\circ\text{C}$	EER_d	2.42	--
$T_j=+30^\circ\text{C}$	P_{dc}	57.84	kW	$T_j=+30^\circ\text{C}$	EER_d	3.88	--
$T_j=+25^\circ\text{C}$	P_{dc}	37.18	kW	$T_j=+25^\circ\text{C}$	EER_d	7.02	--
$T_j=+20^\circ\text{C}$	P_{dc}	16.53	kW	$T_j=+20^\circ\text{C}$	EER_d	13.54	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	28000	m^3/h
Sound power level, outdoor	L_{WA}	93	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.							

28HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO785R8V Test matching indoor units form, cassette: 8×VARI100CST								
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	$P_{rated,h}$	78.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	168.2	%
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}	38.04	kW		$T_j=-7^\circ\text{C}$	COP_d	2.38	--
$T_j=+2^\circ\text{C}$	P_{dh}	23.15	kW		$T_j=+2^\circ\text{C}$	COP_d	3.90	--
$T_j=+7^\circ\text{C}$	P_{dh}	14.88	kW		$T_j=+7^\circ\text{C}$	COP_d	6.82	--
$T_j=+12^\circ\text{C}$	P_{dh}	8.27	kW		$T_j=+12^\circ\text{C}$	COP_d	8.77	--
T_{biv} =bivalent temperature	P_{dh}	43.00	kW		T_{biv} =bivalent temperature	COP_d	1.97	--
T_{OL} =operation temperature	P_{dh}	43.00	kW		T_{OL} =operation temperature	COP_d	1.97	--
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}	0.005	kW		Back-up heating capacity(*)	e_{lbu}	0	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	28000	m ³ /h
Sound power level,outdoor	LWA	93	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.								

30HP

Cooling mode:

Information requirements for air-to-air conditioners								
Model(s):VARO850R8V								
Test matching indoor units form, cassette: 6×VARI100CST+2×VARI140CST								
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	$P_{rated,c}$	85.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	234.1	%
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}	85.00	kW		$T_j=+35^\circ\text{C}$	EER_d	2.25	--
$T_j=+30^\circ\text{C}$	P_{dc}	62.63	kW		$T_j=+30^\circ\text{C}$	EER_d	3.79	--
$T_j=+25^\circ\text{C}$	P_{dc}	40.26	kW		$T_j=+25^\circ\text{C}$	EER_d	7.01	--
$T_j=+20^\circ\text{C}$	P_{dc}	17.89	kW		$T_j=+20^\circ\text{C}$	EER_d	13.76	--
Degradation co-efficient for air conditioners(*)								
	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	28000	m ³ /h
Sound power level, outdoor	L_{WA}	93	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.								

30HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO850R8V Test matching indoor units form, cassette: 6×VARI100CST+2×VARI140CST								
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	$P_{rated,h}$	85.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	165.0	%
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}	39.81	kW		$T_j=-7^\circ\text{C}$	COP_d	2.45	--
$T_j=+2^\circ\text{C}$	P_{dh}	24.23	kW		$T_j=+2^\circ\text{C}$	COP_d	3.74	--
$T_j=+7^\circ\text{C}$	P_{dh}	15.58	kW		$T_j=+7^\circ\text{C}$	COP_d	6.77	--
$T_j=+12^\circ\text{C}$	P_{dh}	8.32	kW		$T_j=+12^\circ\text{C}$	COP_d	8.70	--
T_{biv} =bivalent temperature	P_{dh}	45.00	kW		T_{biv} =bivalent temperature	COP_d	1.90	--
T_{OL} =operation temperature	P_{dh}	45.00	kW		T_{OL} =operation temperature	COP_d	1.90	--
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"					Back-up heating capacity(*)			
Off mode	P_{OFF}	0.005	kW		e_{lbu}	0		kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	28000	m ³ /h
Sound power level,outdoor	LWA	93	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.								

32HP

Cooling mode:

Information requirements for air-to-air conditioners							
Model(s):VARO900R8V							
Test matching indoor units form, cassette: 5×VARI100CST+3×VARI140CST							
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	$P_{rated,c}$	90.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	228.1	%
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}	90.00	kW	$T_j=+35^\circ\text{C}$	EER_d	2.05	--
$T_j=+30^\circ\text{C}$	P_{dc}	66.32	kW	$T_j=+30^\circ\text{C}$	EER_d	3.72	--
$T_j=+25^\circ\text{C}$	P_{dc}	42.63	kW	$T_j=+25^\circ\text{C}$	EER_d	6.98	--
$T_j=+20^\circ\text{C}$	P_{dc}	18.95	kW	$T_j=+20^\circ\text{C}$	EER_d	13.55	--
Degradation co-efficient for air conditioners(*)							
	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.005	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.005	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	28000	m ³ /h
Sound power level, outdoor	L_{WA}	93	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.							

32HP

Heating mode:

Information requirements for heat pumps								
Model(s):VARO900R8V Test matching indoor units form, cassette:5×VARI100CST+3×VARI140CST								
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}	90.00	kW		Seasonal space heating energy efficiency	η _{s,h}	165.0	%
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}	39.81	kW		T _j =-7°C	COP _d	2.41	--
T _j =+2°C	P _{dh}	24.23	kW		T _j =+2°C	COP _d	3.75	--
T _j =+7°C	P _{dh}	15.58	kW		T _j =+7°C	COP _d	6.84	--
T _j =+12°C	P _{dh}	8.22	kW		T _j =+12°C	COP _d	8.79	--
T _{biv} =bivalent temperature	P _{dh}	45.00	kW		T _{biv} =bivalent temperature	COP _d	1.86	--
T _{OL} =operation temperature	P _{dh}	45.00	kW		T _{OL} =operation temperature	COP _d	1.86	--
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"					Back-up heating capacity(*)			
Off mode	P _{OFF}	0.005	kW		elbu	0	kW	
Thermosat-off mode	P _{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.005	kW		Standby mode	P _{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	28000	m ³ /h
Sound power level,outdoor	LWA	93	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.								



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