INFORMATION REQUIREMENTS FOR HEAT PUMPS

All DC Inverter V6 Series VRF Outdoor Unit

Information requirements for air-to-air conditioners

Model(s):MV6-252WV2GN1-E; Test matching indoor units form, Duct: 2×MI-56T1+2×MI-71T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

''	•							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	25.2	kW		Seasonal space cooling energy efficiency	η _{s,c}	223.8	%
Declared cooling capaci T _j and in		oad at given ℃ (dry/wet b			Declared energy efficiency ra energy factor for part load			
T _j =+35℃	P _{dc}	25.2	kW		T _j =+35℃	EER _d	3.48	
T _j =+30℃	P _{dc}	17.04	kW		T _j =+30℃	EER _d	4.68	
T _j =+25℃	P _{dc}	11.409	kW		T _j =+25℃	EER _d	6.46	
T _j =+20℃	P _{dc}	6.786	kW		T _j =+20℃	EER _d	11.41	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
		F	Power consumption in	modes of	ther than "active mode"			
Off mode	Poff	0.064	kW		Crankcase heater mode	P _{CK}	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	ns			
Capacity control		varia	ible		For air-to-air air conditioner:air flow rate,outdoor measured	_	10500	m ³ /h
Sound power level,outdoor	L _{WA}	78	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
				1	ı			

Contact details

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

Information requirements for heat pumps

Model(s):MV6-252WV2GN1-E;

Test matching indoor units form, Duct: 2×MI-56T1+2×MI-71T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

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

If applicable:driver of compressor:electric motor

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

Parameters shall be declar	ared for the	average hea	ting season,parameter	s for the v	warmer and colder heating seas	oms are optional		
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	25.2	kW		Seasonal space heating energy efficiency	η _{s,h}	134.6	%
Declared heating capac		oad at indoor peratures T _j	teperature 20°C and		Declared coefficient o efficiency/auxiliary energy tem			
T _j =-7°C	P _{dh}	17.176	kW		T _j =-7°C	COP _d	2.32	
T _j =+2°C	P _{dh}	11.706	kW		T _j =+2℃	COPd	3.45	-
T _j =+7°C	P _{dh}	7.071	kW		T _j =+7°C	COP _d	4.50	
T _j =+12°C	P _{dh}	4.381	kW		T _j =+12°C	COP _d	5.15	
T _{biv} =bivalent temperature	P _{dh}	17.176	kW		T _{biv} =bivalent temperature	COP _d	2.32	
T _{OL} =operation temperature	P _{dh}	19.313	kW		T _{OL} =operation temperature	COP _d	1.89	1
Bivalent temperature	T _{biv}	-7	℃					
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	_					
Power consumption in mo	odes other	than "active n	node"		Supple	ementary heater		
Off mode	P _{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.064	kW		Type of energy input		•	
Crankcase heater mode	P _{CK}	0.124	kW		Standby mode	P _{SB}	0.064	kW
			0	ther item	S			
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	_	10500	m³/h
Sound power level,outdoor	L _{WA}	78	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

(*)

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

Information requirements for air-to-air conditioners

Model(s):MV6-280WV2GN1-E; Test matching indoor units form, Duct: 4×MI-71T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	28	kW		Seasonal space cooling energy efficiency	η _{s,c}	221.2	%
Declared cooling capaci T _j and in		oad at given ℃ (dry/wet b			Declared energy efficiency ra energy factor for part load			
T _j =+35℃	P _{dc}	28	kW		T _j =+35℃	EER _d	3.26	
T _j =+30℃	P _{dc}	19.137	kW		T _j =+30℃	EER _d	4.50	
T _j =+25℃	P _{dc}	13.246	kW		T _j =+25℃	EER _d	6.40	
T _j =+20℃	P _{dc}	6.688	kW		T _j =+20℃	EER _d	11.41	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
		F	Power consumption in	modes of	ther than "active mode"			
Off mode	P _{OFF}	0.064	kW		Crankcase heater mode	P _{CK}	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	ns			
Capacity control		varia	able		For air-to-air air conditioner:air flow rate,outdoor measured	_	10500	m³/h
Sound power level,outdoor	L _{WA}	78	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
			•	•	•			-

Contact details

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

Information requirements for heat pumps

Model(s):MV6-280WV2GN1-E;

Test matching indoor units form, Duct: 4×MI-71T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

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

If applicable:driver of compressor:electric motor

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

Parameters shall be declar	ared for the	average hea	ting season,parameter	s for the v	warmer and colder heating seas	oms are optional		
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	28	kW		Seasonal space heating energy efficiency	η _{s,h}	134.6	%
Declared heating capac		oad at indoor peratures T _j	teperature 20°C and		Declared coefficient o efficiency/auxiliary energy tem			
T _j =-7°C	P _{dh}	17.176	kW		T _j =-7°C	COP _d	2.32	
T _j =+2°C	P _{dh}	11.706	kW		T _j =+2°C	COP _d	3.45	-
T _j =+7°C	P _{dh}	7.071	kW		T _j =+7°C	COP _d	4.50	-
T _j =+12℃	P _{dh}	4.381	kW		T _j =+12℃	COP _d	5.15	
T _{biv} =bivalent temperature	P _{dh}	17.176	kW		T _{biv} =bivalent temperature	COP _d	2.32	
T _{OL} =operation temperature	P _{dh}	19.313	kW		T _{OL} =operation temperature	COP _d	1.89	
Bivalent temperature	T _{biv}	-7	℃					
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	_					
Power consumption in mo	odes other	than "active n	node"		Supple	ementary heater		
Off mode	P _{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.064	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.124	kW		Standby mode	P _{SB}	0.064	kW
			0	ther item	S			
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	_	10500	m ³ /h
Sound power level,outdoor	L _{WA}	78	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								

(*)

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

Information requirements for air-to-air conditioners

Model(s):MV6-335WV2GN1-E; Test matching indoor units form, Duct: 6×MI-56T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	33.5	kW		Seasonal space cooling energy efficiency	η _{s,c}	204.7	%
Declared cooling capac T _j and in		oad at given ℃ (dry/wet l			Declared energy efficiency ra energy factor for part load			
T _j =+35℃	P _{dc}	33.5	kW		T _j =+35℃	EER _d	2.57	
T _j =+30℃	P _{dc}	23.276	kW		T _j =+30℃	EER _d	4.17	
T _j =+25℃	P _{dc}	15.186	kW		T _j =+25℃	EER _d	6.65	
T _j =+20℃	P _{dc}	8.719	kW		T _j =+20℃	EER _d	8.62	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
		F	Power consumption in	modes of	her than "active mode"			
Off mode	P _{OFF}	0.064	kW		Crankcase heater mode	P _{CK}	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	ns			
Capacity control		varia	able		For air-to-air air conditioner:air flow rate,outdoor measured	_	11000	m³/h
Sound power level,outdoor	L _{WA}	81	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
	1				I			

Contact details

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

Information requirements for heat pumps

Model(s):MV6-335WV2GN1-E; Test matching indoor units form, Duct: 6×MI-56T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

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

If applicable:driver of compressor:electric motor

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

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

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

Information requirements for air-to-air conditioners

Model(s):MV6-400WV2GN1-E; Test matching indoor units form, Duct: 2×MI-56T1+4×MI-71T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	40	kW		Seasonal space cooling energy efficiency	η _{s,c}	197.8	%
Declared cooling capaci T _j and in		oad at given ℃ (dry/wet b			Declared energy efficiency ra energy factor for part load			
T _j =+35℃	P _{dc}	40	kW		T _j =+35℃	EER _d	2.65	
T _j =+30℃	P _{dc}	29.504	kW		T _j =+30℃	EERd	4.11	
T _j =+25℃	P _{dc}	18.187	kW		T _j =+25℃	EER _d	5.86	
T _j =+20℃	P _{dc}	9.939	kW		T _j =+20℃	EER _d	8.72	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
		F	Power consumption in	modes ot	her than "active mode"			
Off mode	P _{OFF}	0.064	kW		Crankcase heater mode	P _{CK}	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	S			
Capacity control		varia	ible		For air-to-air air conditioner:air flow rate,outdoor measured	_	13000	m³/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

Information requirements for heat pumps

Model(s):MV6-400WV2GN1-E;

Test matching indoor units form, Duct: 2×MI-56T1+4×MI-71T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

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

If applicable:driver of compressor:electric motor

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

Rated heating capacity P _{rated.h} 40 kW Seasonal space heating energy efficiency 1s.h 139.0 % 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 COP _d 2.54				3 ,					
Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T Declared heating capacity for part load at indoor teperature 20°C and outdoor temperatures T Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T T T T T T T T T T	Item	Symbol	Value	Unit	-	Item	Symbol	Value	Unit
Declared nearing capacity for part load at indoor teperature 2 C and outdoor temperatures T_j and $T_j = -7^{\circ}C$ COP_d 2.54 COP_d 2.5931 COP_d 2	Rated heating capacity	P _{rated,h}	40	kW		energy efficiency			%
T _j =+2°C P _{dh} 15.791 kW T _j =+2°C COP _d 3.36 − T _j =+7°C P _{dh} 10.318 kW T _j =+2°C COP _d 4.66 − T _j =+7°C P _{dh} 9.548 kW T _j =+12°C COP _d 5.49 − T _{ox} =bivalent temperature P _{dh} 25.931 kW T _{biv} =bivalent temperature COP _d 2.54 − T _{ox} =operation temperature P _{dh} 29.325 kW T _{ox} =operation temperature COP _d 2.14 − Bivalent temperature T _{biv} −7 °C Degradation co-efficient for heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Off mode P _{OFF} 0.064 kW Back-up heating capacity(*) elibu 0 kW Thermosat-off mode P _{CK} 0.124 kW Standby mode P _{SB} 0.064 kW Other items Capacity control variable For air-to-air heat pump:air flow rate,outdoor measured − 13000 m³/s Sound power level,outdoor L _{WA} 85 dB GWP of the refrigerant 2088 kg CO _{2 eq} (100years)				teperature 20℃ and		efficiency/auxiliary energy	factor for part load a		
T_=+7°C P _{dh} 10.318 kW T_=+7°C COP _d 4.66 — T_=+12°C P _{dh} 9.548 kW T_=+12°C COP _d 5.49 — T _{bw} =bivalent temperature P _{dh} 25.931 kW T _{bw} =bivalent temperature COP _d 2.54 — T _{OL} =operation temperature P _{dh} 29.325 kW T _{OL} =operation temperature COP _d 2.14 — Bivalent temperature T _{biv} -7 °C —	T _j =-7°C	P _{dh}	25.931	kW		T _j =-7°C	COP _d	2.54	
T _{j=+12°C} P _{dh} 9.548 kW T _{j=+12°C} COP _d 5.49 — T _{bw} =bivalent temperature P _{dh} 25.931 kW T _{biv} =bivalent temperature COP _d 2.54 — T _{OL} =operation temperature P _{dh} 29.325 kW T _{OL} =operation temperature COP _d 2.14 — Bivalent temperature T _{biv} -7 °C Degradation co-efficient for heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Off mode P _{OFF} 0.064 kW Back-up heating capacity(*) elbu 0 kW Thermosat-off mode P _{TO} 0.064 kW Type of energy input Crankcase heater mode P _{CK} 0.124 kW Standby mode P _{SB} 0.064 kW Other items Capacity control variable For air-to-air heat pump:air flow rate, outdoor measured P _{CK} 13000 m³/ Sound power level, outdoor CWA 2.54 — COP _d 2.54 — Tol. =operation temperature COP _d 2.14 — Supplementary heater Supplementary heater Supplementary heater Other items Capacity control Variable For air-to-air heat pump:air flow rate, outdoor measured — 13000 m³/ Sound power level, outdoor CWA 85 dB GWP of the refrigerant 2088 kg CO _{2 eq} (100years)	T _j =+2°C	P _{dh}	15.791	kW		T _j =+2°C	COP _d	3.36	
T _{bw} =bivalent temperature Pdh 25.931 kW T _{biv} = bivalent temperature COPd 2.54 — To_e-operation temperature Pdh 29.325 kW To_L = operation temperature COPd 2.14 — Degradation co-efficient for heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Off mode Poff 0.064 kW Type of energy input Crankcase heater mode Pok 0.124 kW Standby mode Poh 0.064 kW Other items Capacity control Variable Sound power level, outdoor LWA 85 dB GWP of the refrigerant 2.84 — ToL = operation temperature COPd 2.14 — Supplementary heater Supplementary hea	T _j =+7°C	P _{dh}	10.318	kW		T _j =+7°C	COP _d	4.66	
temperature	T _j =+12°C	P _{dh}	9.548	kW		T _j =+12°C	COP _d	5.49	
temperature		P _{dh}	25.931	kW		T _{biv} =bivalent temperature	COP _d	2.54	
Degradation co-efficient for heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Off mode Poff 0.064 kW Back-up heating capacity(*) elbu 0 kW Type of energy input Crankcase heater mode Poff 0.124 kW Standby mode Poff 0.124 kW Other items Capacity control Variable For air-to-air heat pump:air flow rate,outdoor measured LWA 85 dB GWP of the refrigerant 2088 kg CO2 eq(100years)		P _{dh}	29.325	kW		T _{OL} =operation temperature	COP _d	2.14	
for heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Off mode Poff 0.064 kW Back-up heating capacity(*) elbu Type of energy input Crankcase heater mode Poff 0.124 kW Standby mode Poff Other items Capacity control Variable For air-to-air heat pump:air flow rate,outdoor measured Sound power level,outdoor LWA 85 dB GWP of the refrigerant 2088 kg CO _{2 eq} (100years)	Bivalent temperature	T _{biv}	-7	°C					
Off mode		C _{dh}	0.25	-					
Thermosat-off mode P _{TO} 0.064 kW Type of energy input Crankcase heater mode P _{CK} 0.124 kW Standby mode P _{SB} 0.064 kW Other items Capacity control variable For air-to-air heat pump:air flow rate,outdoor measured P _{CK} 0.13000 m ³ / Sound power level,outdoor L _{WA} 85 dB GWP of the refrigerant 2088 kg CO _{2 eq} (100years)	Power consumption in me	odes other	than "active n	node"		Supple	mentary heater	•	
Crankcase heater mode P _{CK} 0.124 kW Standby mode P _{SB} 0.064 kW Other items Capacity control variable For air-to-air heat pump:air flow rate,outdoor measured — 13000 m³/ Sound power level,outdoor L _{WA} 85 dB GWP of the refrigerant 2088 kg CO _{2 eq} (100years)	Off mode	P _{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Capacity control variable For air-to-air heat pump:air flow rate,outdoor measured — 13000 m³/ Sound power level,outdoor LWA 85 dB GWP of the refrigerant 2088 kg CO _{2 eq} (100years)	Thermosat-off mode	P _{TO}	0.064	kW		Type of energy input			
Capacity control variable For air-to-air heat pump:air flow rate,outdoor measured — 13000 m³/s dB	Crankcase heater mode	P _{CK}	0.124	kW		Standby mode	P _{SB}	0.064	kW
Sound power level,outdoor LWA 85 dB GWP of the refrigerant 2088 kg CO _{2 eq} (100years)				0	ther item	S			
level,outdoor GWP of the refrigerant 2088 kg CO _{2 eq} (100years)	Capacity control		varia	ble			_	13000	m³/h
		L _{WA}	85	dB					
Contact details	GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details	Contact details								

(*)

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

Information requirements for air-to-air conditioners

Model(s):MV6-450WV2GN1-E; Test matching indoor units form, Duct: 4×MI-71T1+2×MI-80T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	45	kW		Seasonal space cooling energy efficiency	η _{s,C}	193.4	%
Declared cooling capaci T _j and in		oad at given ℃ (dry/wet b	•		Declared energy efficiency ra energy factor for part load			
T _j =+35℃	P _{dc}	45	kW		T _j =+35℃	EER _d	2.40	
T _j =+30℃	P _{dc}	31.412	kW		T _j =+30℃	EER _d	3.79	
T _j =+25℃	P _{dc}	20.145	kW		T _j =+25℃	EER _d	5.83	
T _j =+20℃	P _{dc}	9.939	kW		T _j =+20℃	EER _d	8.72	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
	•	F	Power consumption in	modes of	ther than "active mode"			
Off mode	P _{OFF}	0.064	kW		Crankcase heater mode	P _{CK}	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	ns			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	13000	m ³ /h
Sound power level,outdoor	L _{WA}	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
044-4-4-4-								

Contact details

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

Information requirements for heat pumps

Model(s):MV6-450WV2GN1-E;

Test matching indoor units form, Duct: 4×MI-71T1+2×MI-80T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

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

If applicable:driver of compressor:electric motor

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

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} 25.931 kW T _j =-7°C COP _d 2.54 T _j =-7°C P _{dh} 15.791 kW T _j =+2°C COP _d 3.36 T _j =+2°C COP _d 3.36 T _j =+2°C COP _d 4.66 T _j =+12°C COP _d 4.66 T _j =+12°C COP _d 5.49 T _j =+12°C T _j =+12°C COP _d 5.49 T _j =+12°C T _j				. 3			· · · · · · · · · · · · · · · · · · ·		
Part	Item	Symbol	Value	Unit	•	Item	Symbol	Value	Unit
### Supplementary capacity for part load at given outdoor temperatures T j ### Supplementary factor for part load at given outdoor temperatures T j ### Supplementary factor for part load at given outdoor temperatures T j ### Supplementary factor for part load at given outdoor temperatures T j ### Supplementary factor for part load at given outdoor temperatures T j ### Supplementary factor for part load at given outdoor temperatures T j ### Supplementary factor for part load at given outdoor temperatures T j ### Supplementary factor for part load at given outdoor temperatures T j ### Supplementary factor for part load at given outdoor temperatures T j ### Supplementary factor for part load at given outdoor temperatures T j ### Supplementary factor for part load at given outdoor temperatures T j ### Supplementary factor for part load at given outdoor temperatures T j ### Supplementary factor for part load at given outdoor T j ### Supplementary factor for part load at given outdoor T j ### Supplementary factor for part load at given outdoor T j ### Supplementary factor for part load at given outdoor T j ### Supplementary factor for part load at given outdoor T j ### Supplementary factor for part load at given outdoor T j ### Supplementary factor for part load at given outdoor T j ### Supplementary factor for part load at given outdoor T j ### Supplementary factor for part load at given outdoor T j ### Supplementary factor for part load at given outdoor T j ### Supplementary factor for part load at given outdoor for j ### Supplementary factor for part load at given outdoor for j ### Supplementary factor for part load at given outdoor factor for j ### Supplementary factor for part load at given outdoor for j ### Supplementary factor for part load at given outdoor for j ### Supplementary factor for jack is a supplement	Rated heating capacity	P _{rated,h}	45	kW		Seasonal space heating energy efficiency	η _{s,h}	139.0	%
T ₁ =+2°C				teperature 20℃ and		efficiency/auxiliary energy	factor for part load a		
T ₁ =+7°C	T _j =-7℃	P _{dh}	25.931	kW		T _j =-7°C	COP _d	2.54	
T _j =+12°C	T _j =+2°C	P _{dh}	15.791	kW		T _j =+2℃	COP _d	3.36	
T _{bw} =bivalent temperature	T _j =+7°C	P _{dh}	10.318	kW		T _j =+7°C	COP _d	4.66	
temperature	T _j =+12°C	P _{dh}	9.548	kW		T _j =+12°C	COP _d	5.49	
temperature	T _{biv} =bivalent temperature	P _{dh}	25.931	kW		T _{biv} =bivalent temperature	COP _d	2.54	
Degradation co-efficient for heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Off mode Poff 0.064 kW Back-up heating capacity(*) elbu kW Type of energy input Crankcase heater mode Pck 0.124 kW Standby mode PsB 0.064 kW Other items Capacity control Variable For air-to-air heat pump:air flow rate, outdoor measured Sound power level, outdoor GWP of the refrigerant 2088 kg CO _{2 eq} (100years)	T _{OL} =operation temperature	P _{dh}	29.325	kW		T _{OL} =operation temperature	COP _d	2.14	
Power consumption in modes other than "active mode" Off mode Poff 0.064 kW Back-up heating capacity(*) elbu kW Type of energy input Crankcase heater mode Poff 0.124 kW Standby mode Poff Other items Capacity control Variable For air-to-air heat pump:air flow rate,outdoor measured For air-to-air heat pump:air flow rate,outdoor measured Capacity control Sound power level,outdoor Capacity of the refrigerant 2088 Reg Co _{2 eq} (100years)	Bivalent temperature	T _{biv}	-7	°C					
Off mode	Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	-					
Thermosat-off mode P _{TO} 0.064 kW Type of energy input Crankcase heater mode P _{CK} 0.124 kW Standby mode P _{SB} 0.064 kW Other items Capacity control variable For air-to-air heat pump:air flow rate,outdoor measured P _{CK} 0.124 kW Standby mode P _{CK} 0.064 kW Other items Capacity control Variable For air-to-air heat pump:air flow rate,outdoor measured P _{CK} 0.13000 m³/h Sound power level,outdoor A _{CK} 88 dB GWP of the refrigerant P _{CK} 0.124 kW Standby mode P _{CK} 0.064 kW	Power consumption in me	odes other	than "active r	node"		Supple	mentary heater		
Crankcase heater mode PCK 0.124 kW Standby mode PSB 0.064 kW Other items Capacity control variable For air-to-air heat pump:air flow rate,outdoor measured — 13000 m³/h Sound power level,outdoor LWA 88 dB GWP of the refrigerant 2088 kg CO _{2 eq} (100years)	Off mode	P _{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Capacity control variable For air-to-air heat pump:air flow rate,outdoor measured — 13000 m³/h Sound power level,outdoor LWA 88 dB GWP of the refrigerant 2088 kg CO _{2 eq} (100years)	Thermosat-off mode	P _{TO}	0.064	kW		Type of energy input			
Capacity control variable For air-to-air heat pump:air flow rate, outdoor measured — 13000 m³/h Sound power level, outdoor LWA 88 dB GWP of the refrigerant 2088 kg CO _{2 eq} (100years)	Crankcase heater mode	P _{CK}	0.124	kW		Standby mode	P _{SB}	0.064	kW
Capacity Control Variable flow rate,outdoor measured 13000 m ⁻ /h				0	ther item	s			
GWP of the refrigerant 2088 kg CO _{2 eq} (100years)	Capacity control		varia	ble				13000	m ³ /h
	Sound power level,outdoor	L _{WA}	88	dB					-
Contact details	GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
1	Contact details								

(*)

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

Information requirements for air-to-air conditioners

Model(s):MV6-500WV2GN1-E; Test matching indoor units form, Duct: 4×MI-56T1+4×MI-71T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

	•							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	50	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	200.6	%
Declared cooling capaci T _j and in		oad at given ℃ (dry/wet l			Declared energy efficiency rate energy factor for part load			
T _j =+35℃	P _{dc}	50	kW		T _j =+35℃	EER _d	2.55	
T _j =+30℃	P _{dc}	36.091	kW		T _j =+30℃	EER _d	3.86	
T _j =+25℃	P _{dc}	22.777	kW		T _j =+25℃	EER _d	5.89	
T _j =+20℃	P _{dc}	10.928	kW		T _j =+20℃	EER _d	9.40	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
		ı	Power consumption in	modes of	her than "active mode"			
Off mode	P _{OFF}	0.064	kW		Crankcase heater mode	P _{CK}	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P_{SB}	0.064	kW
			C	ther item	IS			
Capacity control		varia	able		For air-to-air air conditioner:air flow rate,outdoor measured	_	16000	m ³ /h
Sound power level,outdoor	L _{WA}	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
		L	1		1			

Contact details

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

Information requirements for heat pumps

Model(s):MV6-500WV2GN1-E;

Test matching indoor units form, Duct: 4×MI-56T1+4×MI-71T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

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

If applicable:driver of compressor:electric motor

Parameters shall be decl	ared for the	average hea	iting season,parameters fo	or the warmer and colder heating seas	oms are optional		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	50	kW	Seasonal space heating energy efficiency	η _{s,h}	134.2	%
Declared heating capac		oad at indoor peratures T _j	teperature 20°C and	Declared coefficient o efficiency/auxiliary energy tem			
T _j =-7°C	P _{dh}	27.878	kW	T _j =-7°C	COPd	2.46	
T _j =+2℃	P _{dh}	18.272	kW	T _j =+2°C	COP _d	3.18	
T _j =+7℃	P _{dh}	11.923	kW	T _j =+7°C	COP _d	4.64	
T _j =+12°C	P _{dh}	9.535	kW	T _j =+12°C	COP _d	5.43	
T _{biv} =bivalent temperature	P _{dh}	27.878	kW	T _{biv} =bivalent temperature	COP _d	2.46	
T _{OL} =operation temperature	P _{dh}	31.575	kW	T _{OL} =operation temperature	COP _d	1.95	
Bivalent temperature	T _{biv}	-7	°C				
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	-				
Power consumption in me	odes other	than "active r	node"	Supple	ementary heater		
Off mode	P _{OFF}	0.064	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.064	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.124	kW	Standby mode	P _{SB}	0.064	kW
	•		Othe	er items			
Capacity control		varia	ble	For air-to-air heat pump:air flow rate,outdoor measured	_	16000	m³/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

Information requirements for air-to-air conditioners

Model(s):MV6-560WV2GN1-E; Test matching indoor units form, Duct: 8×MI-71T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	56	kW		Seasonal space cooling energy efficiency	η _{s,c}	199.4	%
Declared cooling capaci T _j and in		oad at given o			Declared energy efficiency ra energy factor for part load			
T _j =+35℃	P _{dc}	56	kW		T _j =+35℃	EER _d	3.10	
T _j =+30℃	P _{dc}	39.039	kW		T _j =+30℃	EER _d	3.95	
T _j =+25℃	P _{dc}	24.261	kW		T _j =+25℃	EER _d	5.65	
T _j =+20℃	P _{dc}	11.429	kW		T _j =+20℃	EER _d	8.15	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
		F	Power consumption in	modes of	ther than "active mode"			
Off mode	Poff	0.064	kW		Crankcase heater mode	P _{CK}	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	ns			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured		17000	m³/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

Information requirements for heat pumps

Model(s):MV6-560WV2GN1-E;

Test matching indoor units form, Duct: 8×MI-71T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

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

idication if the heater is e	quippeu wii	in a suppleme	entary neater.no				
If applicable:driver of com	•						
Parameters shall be declar	ared for the	average hea	ting season,parameters f	for the warmer and colder heating seaso	oms are optional		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	56	kW	Seasonal space heating energy efficiency	η _{s,h}	133.0	%
Declared heating capac		oad at indoor peratures T _j	teperature 20°C and	Declared coefficient of efficiency/auxiliary energy tem			
T _j =-7℃	P_{dh}	29.294	kW	T _j =-7°C	COP _d	2.06	
T _j =+2℃	P_{dh}	18.293	kW	T _j =+2°C	COP _d	3.29	
T _j =+7℃	P _{dh}	11.917	kW	T _j =+7°C	COP _d	4.80	
T _j =+12℃	P_{dh}	10.498	kW	T _j =+12℃	COP _d	5.61	
T _{biv} =bivalent temperature	P_{dh}	29.294	kW	T _{biv} =bivalent temperature	COP _d	2.06	
T _{OL} =operation temperature	P_{dh}	33.107	kW	T _{OL} =operation temperature	COP _d	1.64	
Bivalent temperature	T _{biv}	-7	℃				
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	_				
Power consumption in mo	odes other t	than "active n	node"	Supple	ementary heater		
Off mode	P _{OFF}	0.064	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.064	kW	Type of energy input		, ,	
Crankcase heater mode	P _{CK}	0.124	kW	Standby mode	P _{SB}	0.064	kW
			Oth	er items			
Capacity control		varia	ble	For air-to-air heat pump:air flow rate,outdoor measured	_	17000	m³/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

Information requirements for air-to-air conditioners

Model(s):MV6-615WV2GN1-E;
Test matching indoor units form, Duct: 4×MI-71T1+4×MI-80T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	61.5	kW		Seasonal space cooling energy efficiency	η _{s,c}	198.2	%
Declared cooling capaci T _j and in		oad at given occurred occurre			Declared energy efficiency ra energy factor for part load			
T _j =+35℃	P _{dc}	61.5	kW		T _j =+35℃	EER _d	2.79	
T _j =+30℃	P _{dc}	43.022	kW		T _j =+30℃	EER _d	3.86	
T _j =+25℃	P _{dc}	27.726	kW		T _j =+25℃	EER _d	6.0	
T _j =+20℃	P _{dc}	12.137	kW		T _j =+20℃	EER _d	7.65	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	-					
		F	Power consumption in	modes ot	ther than "active mode"			
Off mode	Poff	0.064	kW		Crankcase heater mode	P _{CK}	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P_{SB}	0.064	kW
			C	Other item	ns			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	17000	m³/h
Sound power level,outdoor	L _{WA}	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
					·	· · · · · · · · · · · · · · · · · · ·		

Contact details

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

Information requirements for heat pumps

Model(s):MV6-615WV2GN1-E;

Test matching indoor units form, Duct: 4×MI-71T1+4×MI-80T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

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

If applicable:driver of compressor:electric motor

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

rarameters shall be deci	ared for the	average nea	iting season,parameters i	for the warmer and colder heating sea	soms are optional		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	61.5	kW	Seasonal space heating energy efficiency	η _{s,h}	133.0	%
Declared heating capac		oad at indoor peratures T _j	teperature 20℃ and	efficiency/auxiliary energ	of performance or ga y factor for part load a mperatures T _j		
T _j =-7℃	P _{dh}	29.294	kW	T _j =-7°C	COP _d	2.06	
T _j =+2℃	P _{dh}	18.293	kW	T _j =+2℃	COP _d	3.29	
T _j =+7℃	P_{dh}	11.917	kW	T _j =+7°C	COP _d	4.80	
T _j =+12℃	P _{dh}	10.498	kW	T _j =+12℃	COP _d	5.61	
T _{biv} =bivalent temperature	P _{dh}	29.294	kW	T _{biv} =bivalent temperature	COP _d	2.06	
T _{OL} =operation temperature	P _{dh}	33.107	kW	T _{OL} =operation temperature	COP _d	1.64	
Bivalent temperature	T _{biv}	-7	℃				
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	_				
Power consumption in me	odes other	than "active n	node"	Supp	lementary heater		
Off mode	P _{OFF}	0.064	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.064	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.124	kW	Standby mode	P _{SB}	0.064	kW
			Oth	er items			
Capacity control		varia	ble	For air-to-air heat pump:air flow rate,outdoor measured	_	17000	m³/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

Information requirements for air-to-air conditioners

 $\label{eq:Model} \begin{tabular}{ll} Model(s):MV6-670WV2GN1-E;\\ Test matching indoor units form, Duct: $4\times MI-80T1+4\times MI-90T1; \end{tabular}$

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Symbol	Value	Unit		Item	Symbol	Value	Unit
P _{rated,c}	67	kW		Seasonal space cooling energy efficiency	η _{s,c}	207	%
P _{dc}	67	kW		T _j =+35℃	EER _d	2.41	
P _{dc}	44.6	kW		T _j =+30℃	EER _d	3.83	
P _{dc}	30.31	kW		T _j =+25℃	EER _d	6.52	
P _{dc}	12.94	kW		T _j =+20℃	EER _d	9.57	
C _{dc}	0.25	_					
•	F	Power consumption in	modes ot	her than "active mode"			
Poff	0.085	kW		Crankcase heater mode	P _{CK}	0.085	kW
P _{TO}	0	kW		Standby mode	P _{SB}	0.085	kW
		C	ther item	S			
	varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	24500	m³/h
L _{WA}	89	dB					
	2088	kg CO _{2 eq} (100years)					
	Prated,c ty for part II door 27/19 Pdc Pdc Pdc Pdc Pdc Pdc Pdc Pd	Prated,c 67 ty for part load at given adoor 27/19°C (dry/wet be door 2	Prated,c 67 kW ty for part load at given outdoor temperatures door 27/19°C (dry/wet bulb) Pdc 67 kW Pdc 44.6 kW Pdc 30.31 kW Pdc 12.94 kW Cdc 0.25 — Power consumption in POFF 0.085 kW PTO 0 kW Variable LWA 89 dB	Prated,c 67 kW ty for part load at given outdoor temperatures door 27/19°C (dry/wet bulb) Pdc 67 kW Pdc 44.6 kW Pdc 30.31 kW Pdc 12.94 kW Cdc 0.25 — Power consumption in modes of POFF 0.085 kW PTO 0 kW Other item variable LWA 89 dB	Prated,c 67 kW Seasonal space cooling energy efficiency ty for part load at given outdoor temperatures door 27/19℃ (dry/wet bulb) Declared energy efficiency rate energy factor for part load Pdc 67 kW Tj=+35℃ Pdc 44.6 kW Tj=+30℃ Pdc 30.31 kW Tj=+25℃ Pdc 12.94 kW Tj=+20℃ Cdc 0.25 — Power consumption in modes other than "active mode" PoFF 0.085 kW Crankcase heater mode PTO 0 kW Standby mode Other items Variable For air-to-air air conditioner:air flow rate,outdoor measured LwA 89 dB	Prated,c 67 kW Seasonal space cooling energy efficiency ratio or gas utilisatio energy for part load at given outdoor temperatures door 27/19°C (dry/wet bulb) Pdc 67 kW Tj=+35°C EERd Pdc 44.6 kW Tj=+30°C EERd Pdc 30.31 kW Tj=+25°C EERd Pdc 12.94 kW Tj=+20°C EERd Cdc 0.25 — Power consumption in modes other than "active mode" Poff 0.085 kW Crankcase heater mode Pck Standby mode PsB Other items Variable For air-to-air air conditioner:air flow rate, outdoor measured LWA 89 dB	Prated,c 67 kW Seasonal space cooling energy efficiency n _{s,c} 207 ty for part load at given outdoor temperatures door 27/19°C (dry/wet bulb) Declared energy efficiency ratio or gas utilisation efficiency energy factor for part load at given outdoor temperature Pdc 67 kW Tj=+35°C EERd 2.41 Pdc 44.6 kW Tj=+30°C EERd 3.83 Pdc 30.31 kW Tj=+25°C EERd 6.52 Pdc 12.94 kW Tj=+20°C EERd 9.57 Cdc 0.25 — Crankcase heater mode PCK 0.085 PTO 0 kW Crankcase heater mode PSB 0.085 Other items Variable For air-to-air air conditioner:air flow rate,outdoor measured — 24500

Contact details

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

Information requirements for heat pumps

Model(s):MV6-670WV2GN1-E;

Test matching indoor units form, Duct: 4×MI-80T1+4×MI-90T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

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

If applicable:driver of compressor:electric motor

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

(*)

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

Information requirements for air-to-air conditioners

Model(s):MV6-730WV2GN1-E; Test matching indoor units form, Duct: 8×MI-90T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

	<u> </u>							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	73	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	201.8	%
Declared cooling capaci T _j and in		oad at given o			Declared energy efficiency ra energy factor for part load			
T _j =+35℃	P _{dc}	73	kW		T _j =+35℃	EER _d	2.25	
T _j =+30℃	P _{dc}	48.88	kW		T _j =+30℃	EER _d	4.40	
T _j =+25℃	P _{dc}	32.9	kW		T _j =+25℃	EER _d	5.68	
T _j =+20℃	P _{dc}	14.13	kW		T _j =+20℃	EER _d	9.30	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
		F	Power consumption in	modes of	ther than "active mode"			
Off mode	P _{OFF}	0.085	kW		Crankcase heater mode	P _{CK}	0.085	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.085	kW
			C	Other item	ns			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	24500	m³/h
Sound power level,outdoor	L _{WA}	90	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

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

Information requirements for heat pumps

Model(s):MV6-730WV2GN1-E;

Test matching indoor units form, Duct: 8×MI-90T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

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

If applicable:driver of compressor:electric motor Parameters shall be declared for the average heating season,parameters for the warmer and colder heating seasoms are optional Item Symbol Value Unit Item Symbol Value Unit Seasonal space heating Rated heating capacity P_{rated,h} kW % $\eta_{\,\text{s},\text{h}}$ 73 133.0 energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor teperature 20°C and efficiency/auxiliary energy factor for part load at given outdoor outdoor temperatures Ti temperatures T_i T_i=-7℃ kW T_i=-7°C COP_d P_{dh} 40.63 2.31 T_i=+2℃ kW T_i=+2℃ P_{dh} COPd 25.21 3.14 T_j=+7℃ P_{dh} kW T_i=+7℃ COPd 4.83 16.21 T_i=+12°C kW T_i=+12℃ P_{dh} COPd 9.21 5.05 T_{biv}=bivalent kW P_{dh} T_{biv} =bivalent temperature COPd 43.25 1.90 temperature T_{OL}=operation COP_d P_{dh} 43.25 kW T_{OL} =operation temperature temperature 1.90 Bivalent temperature $\mathsf{T}_{\mathsf{biv}}$ °C -10 Degradation co-efficient C_{dh} 0.25 for heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Off mode Poff kW Back-up heating capacity(*) elbu kW 0.085 P_{TO} Thermosat-off mode kW Type of energy input 0.085 Crankcase heater mode Pck kW Standby mode PsB kW 0.085 0.085 Other items For air-to-air heat pump:air Capacity control variable m³/h 24500 flow rate, outdoor measured Sound power L_{WA} dΒ 90 level,outdoor GWP of the refrigerant kg CO_{2 eq}(100years) 2088

(*)

Contact details

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

Information requirements for air-to-air conditioners

Model(s):MV6-785WV2GN1-E; Test matching indoor units form, Duct: 8×MI-100T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	78.5	kW		Seasonal space cooling energy efficiency	η _{s,c}	196.6	%
Declared cooling capaci T _j and in		oad at given o ℃ (dry/wet b	•		Declared energy efficiency ra energy factor for part load			
T _j =+35℃	P _{dc}	78.5	kW		T _j =+35℃	EER _d	2.10	
T _j =+30℃	P _{dc}	52.42	kW		T _j =+30℃	EER _d	4.33	
T _j =+25℃	P _{dc}	33.78	kW		T _j =+25℃	EER _d	5.45	
T _j =+20℃	P _{dc}	15.44	kW		T _j =+20℃	EER _d	9.00	
Degradation co-efficient for air conditioners(*)	C _{dc}		_					
		F	Power consumption in	modes ot	her than "active mode"			
Off mode	Poff	0.085	kW		Crankcase heater mode	P _{CK}	0.085	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.085	kW
			C	Other item	IS			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	25000	m³/h
Sound power level,outdoor	L _{WA}	90	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

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

Information requirements for heat pumps

Model(s):MV6-785WV2GN1-E;

Test matching indoor units form, Duct: 8×MI-100T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

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

If applicable:driver of compressor:electric motor

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

Parameters shall be decla	ared for the	average nea	iting season,parameters t	or the warmer and colder heating seas	soms are optional		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	78.5	kW	Seasonal space heating energy efficiency	η _{s,h}	133.0	%
Declared heating capaci		oad at indoor peratures T _j	teperature 20°C and	Declared coefficient efficiency/auxiliary energy tel			
T _j =-7℃	P_{dh}	40.63	kW	T _j =-7℃	COP _d	2.31	
T _j =+2℃	P_{dh}	25.21	kW	T _j =+2°C	COP _d	3.14	
T _j =+7°C	P _{dh}	16.21	kW	T _j =+7°C	COP _d	4.83	
T _j =+12℃	P _{dh}	9.21	kW	T _j =+12℃	COPd	5.05	
T _{biv} =bivalent temperature	P_{dh}	43.25	kW	T _{biv} =bivalent temperature	COP _d	1.90	
T _{OL} =operation temperature	P_{dh}	43.25	kW	T _{OL} =operation temperature	COP _d	1.90	
Bivalent temperature	T _{biv}	-10	°C				
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	_				
Power consumption in mo	odes other	than "active r	node"	Supp	lementary heater		
Off mode	P _{OFF}	0.085	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.085	kW	Type of energy input		'	
Crankcase heater mode	P _{CK}	0.085	kW	Standby mode	P _{SB}	0.085	kW
			Oth	er items			
Capacity control		varia	ble	For air-to-air heat pump:air flow rate,outdoor measured		25000	m³/h
Sound power level,outdoor	L _{WA}	90	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				
Contact details							

(*)

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

Information requirements for air-to-air conditioners

 $\label{eq:Model} \begin{tabular}{ll} Model(s):MV6-850WV2GN1-E;\\ Test matching indoor units form, Duct: $4\times MI-100T1+4\times MI-112T1;\\ \end{tabular}$

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	85	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	204.6	%
Declared cooling capac T _j and in		oad at given ℃ (dry/wet l			Declared energy efficiency rate energy factor for part load			
T _j =+35℃	P _{dc}	85	kW		T _j =+35℃	EER _d	1.90	
T _j =+30℃	P _{dc}	56.76	kW		T _j =+30℃	EER _d	4.25	
T _j =+25℃	P _{dc}	36.41	kW		T _j =+25℃	EER _d	6.35	
T _j =+20℃	P _{dc}	16.4	kW		T _j =+20℃	EER _d	8.95	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
		ı	Power consumption in	modes of	ther than "active mode"			
Off mode	P _{OFF}	0.085	kW		Crankcase heater mode	Pck	0.085	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P_{SB}	0.085	kW
			C	Other item	ns			
Capacity control		varia	able		For air-to-air air conditioner:air flow rate,outdoor measured	_	24000	m³/h
Sound power level,outdoor	L _{WA}	90	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
0		1	1					

Contact details

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

Information requirements for heat pumps

Model(s):MV6-850WV2GN1-E;

Test matching indoor units form, Duct: 4×MI-100T1+4×MI-112T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

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

If applicable:driver of compressor:electric motor

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

Parameters shall be decl	ared for the	e average hea	iting season,parameters	s for the v	varmer and colder heating seas	oms are optional		
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	85	kW		Seasonal space heating energy efficiency	η _{s,h}	133.8	%
Declared heating capac		load at indoor peratures T _j	teperature 20℃ and		Declared coefficient o efficiency/auxiliary energy tem			
T _j =-7°C	P _{dh}	39.85	kW		T _j =-7°C	COP _d	2.32	
T _j =+2°C	P _{dh}	24.62	kW		T _j =+2°C	COP _d	3.12	
T _j =+7°C	P _{dh}	16.84	kW		T _j =+7°C	COP _d	5.00	
T _j =+12℃	P _{dh}	13.01	kW		T _j =+12°C	COP _d	5.46	
T _{biv} =bivalent temperature	P _{dh}	45.19	kW		T _{biv} =bivalent temperature	COP _d	1.85	
T _{OL} =operation temperature	P _{dh}	45.19	kW		T _{OL} =operation temperature	COP _d	1.85	
Bivalent temperature	T _{biv}	-10	°C					
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	_					
Power consumption in mo	odes other	than "active r	node"		Supple	ementary heater		
Off mode	P _{OFF}	0.085	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.085	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.085	kW		Standby mode	P _{SB}	0.085	kW
			0	Other items	S			
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	_	24000	m³/h
Sound power level,outdoor	L _{WA}	90	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details								
/*\								

(*)

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

Information requirements for air-to-air conditioners

Model(s):MV6-900WV2GN1-E; Test matching indoor units form, Duct: 8×MI-112T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

* *	•							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	90	kW		Seasonal space cooling energy efficiency	η _{s,c}	199.0	%
Declared cooling capaci T _j and in		oad at given ℃ (dry/wet b			Declared energy efficiency ra energy factor for part load			
T _j =+35℃	P _{dc}	90	kW		T _j =+35℃	EER _d	1.88	
T _j =+30℃	P _{dc}	60.69	kW		T _j =+30℃	EER _d	4.23	
T _j =+25℃	P _{dc}	38.72	kW		T _j =+25℃	EER _d	5.82	
T _j =+20℃	P _{dc}	18.14	kW		T _j =+20℃	EER _d	9.20	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
		F	Power consumption in	modes of	ther than "active mode"			
Off mode	P _{OFF}	0.085	kW		Crankcase heater mode	P _{CK}	0.085	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.085	kW
			C	Other item	ns			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured 24000 m			m³/h
Sound power level,outdoor	L _{WA}	90	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

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

Information requirements for heat pumps

Model(s):MV6-900WV2GN1-E;

Test matching indoor units form, Duct: 8×MI-112T1;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

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

If applicable:driver of compressor:electric motor Parameters shall be declared for the average heating season,parameters for the warmer and colder heating seasoms are optional Item Symbol Value Unit Item Symbol Value Unit Seasonal space heating Rated heating capacity P_{rated,h} kW % $\eta_{\,\text{s},\text{h}}$ 90 133.8 energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor teperature 20°C and efficiency/auxiliary energy factor for part load at given outdoor outdoor temperatures Ti temperatures T_i T_i=-7℃ kW COP_d T_i=-7℃ P_{dh} 39.85 2.32 T_i=+2℃ kW T_i=+2℃ P_{dh} COPd 24.62 3.12 P_{dh} T_j=+7℃ kW T_i=+7℃ COPd 16.84 5.00 kW T_i=+12°C T_i=+12℃ P_{dh} COPd T_{biv}=bivalent kW P_{dh} T_{biv} =bivalent temperature COPd 45.19 1.85 temperature T_{OL}=operation COP_d P_{dh} kW T_{OL} =operation temperature temperature 45.19 1.85 Bivalent temperature T_{biv} °C -10 Degradation co-efficient C_{dh} 0.25 for heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Off mode Poff 0.085 kW Back-up heating capacity(*) elbu 0 kW P_{TO} Thermosat-off mode 0.085 kW Type of energy input Crankcase heater mode Pck 0.085 kW Standby mode PsB 0.085 kW Other items For air-to-air heat pump:air variable m³/h Capacity control 24000 flow rate, outdoor measured Sound power L_{WA} dΒ 90 level,outdoor 2088 GWP of the refrigerant 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

双胶纸黑白印 A4 100g

		1				
level,outdoor	LWA	90	dB			
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)			

Contact details