9.5 Erp information

8HP

Cooling mode:

Information requirements for air-to-air conditioners								
Model(s): KMF-252 DN6 Test matching indoor units form, no-duct: 2×KCIF-45 DN5.0+KCIBF-80 DN5.0+KCIBF-90 DN5.0								
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	$\eta_{s,c}$	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°C	P_{dc}	25.20	kW		T_j=+35°C	EER_d	3.30	--
T_j=+30°C	P_{dc}	18.57	kW		T_j=+30°C	EER_d	4.97	--
T_j=+25°C	P_{dc}	11.94	kW		T_j=+25°C	EER_d	8.41	--
T_j=+20°C	P_{dc}	8.42	kW		T_j=+20°C	EER_d	15.20	--
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}	0.04	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	--	11800	m^3/h
Sound power level, outdoor	L_{WA}	76	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): KMF-252 DN6 Test matching indoor units form, no-duct: 2×KCIF-45 DN5.0+KCIBF-80 DN5.0+KCIBF-90 DN5.0								
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	$\eta_{s,h}$	163.0	%
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}	12.12	kW		T_j=-7°C	COP_d	2.92	--
T_j=+2°C	P_{dh}	7.38	kW		T_j=+2°C	COP_d	3.66	--
T_j=+7°C	P_{dh}	4.74	kW		T_j=+7°C	COP_d	5.90	--
T_j=+12°C	P_{dh}	4.92	kW		T_j=+12°C	COP_d	8.60	
T_{biv}=bivalent temperature	P_{dh}	13.70	kW		T_{biv} =bivalent temperature	COP_d	2.35	--
T_{OL}=operation temperature	P_{dh}	13.70	kW		T_{OL} =operation temperature	COP_d	2.35	--
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	0.04	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.04	kW		Standby mode	PSB	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	11800	m^3/h
Sound power level,outdoor	L_{WA}	76	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): KMF-280 DN6 Test matching indoor units form, no)-duct: KCIF-45 DN5.0 + 3×KCIBF-80 DN5.0								
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	$\eta_{s,c}$	279.0	%
Declared cooling capacity for part load at given outdoor temperatures Tj 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°C	P_{dc}	28.00	kW		T_j=+35°C	EER_d	3.09	--
T_j=+30°C	P_{dc}	20.63	kW		T_j=+30°C	EER_d	4.80	--
T_j=+25°C	P_{dc}	13.26	kW		T_j=+25°C	EER_d	8.34	--
T_j=+20°C	P_{dc}	8.96	kW		T_j=+20°C	EER_d	14.60	--
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	Pck	0.04	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	Psb	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	12500	m^3/h
Sound power level, outdoor	L_{WA}	79	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): KMF-280 DN6 Test matching indoor units form, no-duct: KCIF-45 DN5.0 + 3×KCIBF-80 DN5.0								
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	$\eta_{s,h}$	161.4	%
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}	14.16	kW		T_j=-7°C	COP_d	2.85	--
T_j=+2°C	P_{dh}	8.62	kW		T_j=+2°C	COP_d	4.02	--
T_j=+7°C	P_{dh}	5.54	kW		T_j=+7°C	COP_d	4.91	--
T_j=+12°C	P_{dh}	5.19	kW		T_j=+12°C	COP_d	7.12	--
T_{biv}=bivalent temperature	P_{dh}	16.00	kW		T_{biv} =bivalent temperature	COP_d	2.28	--
T_{OL}=operation temperature	P_{dh}	16.00	kW		T_{OL} =operation temperature	COP_d	2.28	--
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	0.04	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.04	kW		Standby mode	PSB	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	12500	m^3/h
Sound power level,outdoor	L_{WA}	79	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): KMF-335 DN6 Test matching indoor units form, no-duct: 4×KCIF-45 DN5.0 + 2×KCIBF-80 DN5.0								
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	$\eta_{s,c}$	273.4	%
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°C	P_{dc}	33.50	kW		T_j=+35°C	EER_d	2.90	--
T_j=+30°C	P_{dc}	24.68	kW		T_j=+30°C	EER_d	5.19	--
T_j=+25°C	P_{dc}	15.86	kW		T_j=+25°C	EER_d	7.54	--
T_j=+20°C	P_{dc}	8.62	kW		T_j=+20°C	EER_d	14.10	--
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}	0.04	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	--	12500	m^3/h
Sound power level, outdoor	L_{WA}	82	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): KMF-335 DN6 Test matching indoor units form, no-duct: 4×KCIF-45 DN5.0 + 2×KCIBF-80 DN5.0								
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	$\eta_{s,h}$	161.4	%
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}	16.24	kW		T_j=-7°C	COP_d	2.48	--
T_j=+2°C	P_{dh}	9.89	kW		T_j=+2°C	COP_d	4.15	--
T_j=+7°C	P_{dh}	6.36	kW		T_j=+7°C	COP_d	4.95	--
T_j=+12°C	P_{dh}	5.03	kW		T_j=+12°C	COP_d	7.62	--
T_{biv}=bivalent temperature	P_{dh}	18.37	kW		T_{biv} =bivalent temperature	COP_d	2.27	--
T_{OL}=operation temperature	P_{dh}	18.37	kW		T_{OL} =operation temperature	COP_d	2.27	--
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	0.04	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.04	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	12500	m^3/h
Sound power level,outdoor	Lwa	81	dB					
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)					
Contact details								
(*)								
(**)If C_{dh} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25.								
Where information relates to multi-split heat pumps, 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):KMF-400 DN6 Test matching indoor units form, cassette: 2×KCIF-45 DN5.0 + 4×KCIBF-80 DN5.0								
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	$\eta_{s,c}$	263.0	%
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°C	P_{dc}	40.00	kW		T_j=+35°C	EER_d	2.54	--
T_j=+30°C	P_{dc}	29.48	kW		T_j=+30°C	EER_d	4.36	--
T_j=+25°C	P_{dc}	18.95	kW		T_j=+25°C	EER_d	8.21	--
T_j=+20°C	P_{dc}	7.88	kW		T_j=+20°C	EER_d	13.60	--
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}	0.04	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	--	12500	m^3/h
Sound power level, outdoor	L_{WA}	82	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):KMF-400 DN6 Test matching indoor units form, cassette: 2×KCIF-45 DN5.0 + 4×KCIBF-80 DN5.0								
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	$\eta_{s,h}$	163.0	%
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}	19.47	kW		T_j=-7°C	COP_d	2.51	--
T_j=+2°C	P_{dh}	11.85	kW		T_j=+2°C	COP_d	4.19	--
T_j=+7°C	P_{dh}	7.62	kW		T_j=+7°C	COP_d	4.98	--
T_j=+12°C	P_{dh}	4.65	kW		T_j=+12°C	COP_d	7.31	--
T_{biv}=bivalent temperature	P_{dh}	22.01	kW		T_{biv} =bivalent temperature	COP_d	2.52	--
T_{OL}=operation temperature	P_{dh}	22.01	kW		T_{OL} =operation temperature	COP_d	2.52	--
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	0.04	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.04	kW		Standby mode	PSB	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	12500	m^3/h
Sound power level,outdoor	L_{WA}	82	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): KMF-450 DN6 Test matching indoor units form, cassette: KCIF-56 DN5.0 + 4×KCIBF-80 DN5.0 + KCIBF-90 DN5.0								
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	$\eta_{s,c}$	267.8	%
Declared cooling capacity for part load at given outdoor temperatures Tj 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°C	P_{dc}	45.00	kW		T_j=+35°C	EER_d	2.82	--
T_j=+30°C	P_{dc}	33.17	kW		T_j=+30°C	EER_d	4.47	--
T_j=+25°C	P_{dc}	21.31	kW		T_j=+25°C	EER_d	7.91	--
T_j=+20°C	P_{dc}	9.46	kW		T_j=+20°C	EER_d	14.20	--
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	Pck	0.04	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	Psb	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	18500	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): KMF-450 DN6 Test matching indoor units form, cassette: KCIF-56 DN5.0 + 4×KCIBF-80 DN5.0 + KCIBF-90 DN5.0								
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	$\eta_{s,h}$	166.2	%
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}	21.88	kW		T_j=-7°C	COP_d	2.68	--
T_j=+2°C	P_{dh}	13.32	kW		T_j=+2°C	COP_d	4.29	--
T_j=+7°C	P_{dh}	8.57	kW		T_j=+7°C	COP_d	5.13	--
T_j=+12°C	P_{dh}	7.39	kW		T_j=+12°C	COP_d	6.96	--
T_{biv}=bivalent temperature	P_{dh}	24.74	kW		T_{biv} =bivalent temperature	COP_d	2.08	--
T_{OL}=operation temperature	P_{dh}	24.74	kW		T_{OL} =operation temperature	COP_d	2.08	--
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	0.04	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.04	kW		Standby mode	PSB	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	18500	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_{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): KMF-500 DN6 Test matching indoor units form, cassette: 4×KCIBF-45 DN5.0 + 4×KCIBF-90 DN5.								
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	$\eta_{s,c}$	255.8	%
Declared cooling capacity for part load at given outdoor temperatures Tj 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°C	P_{dc}	50.00	kW		T_j=+35°C	EER_d	2.57	--
T_j=+30°C	P_{dc}	37.12	kW		T_j=+30°C	EER_d	4.19	--
T_j=+25°C	P_{dc}	23.89	kW		T_j=+25°C	EER_d	7.78	--
T_j=+20°C	P_{dc}	10.61	kW		T_j=+20°C	EER_d	13.80	--
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	Pck	0.04	kW
Thermosat-off mode	P_{TO}	0.005	kW		Standby mode	Psb	0.005	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	--	20000	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): KMF-500 DN6 Test matching indoor units form, cassette: 4×KCIBF-45 DN5.0 + 4×KCIBF-90 DN5.								
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	$\eta_{s,h}$	163.8	%
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}	26.43	kW		T_j=-7°C	COP_d	2.62	--
T_j=+2°C	P_{dh}	16.46	kW		T_j=+2°C	COP_d	4.23	--
T_j=+7°C	P_{dh}	9.51	kW		T_j=+7°C	COP_d	5.53	--
T_j=+12°C	P_{dh}	7.50	kW		T_j=+12°C	COP_d	6.12	--
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	--					
Power consumption in modes other than “active mode”					Supplementary heater			
Off mode	P_{OFF}	0.005	kW		Back-up heating capacity(*)	elbu	0.04	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.04	kW		Standby mode	PSB	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	20000	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): KMF-560 DN6 Test matching indoor units form, cassette: 2×KCIF-45 DN5.0 + 6×KCIBF-80 DN5.0								
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	$\eta_{s,c}$	249.0	%
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°C	P_{dc}	56.00	kW		T_j=+35°C	EER_d	2.45	--
T_j=+30°C	P_{dc}	40.04	kW		T_j=+30°C	EER_d	4.10	--
T_j=+25°C	P_{dc}	25.74	kW		T_j=+25°C	EER_d	7.64	--
T_j=+20°C	P_{dc}	12.26	kW		T_j=+20°C	EER_d	13.60	--
Degradation co-efficient for air conditioners(*)	C_{dc}		--					
Power consumption in modes other than “active mode”								
Off mode	P_{OFF}	0.005	kW		Crankcase heater mode	P_{CK}	0.04	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	--	18500	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): KMF-560 DN6 Test matching indoor units form, cassette: 2×KCIF-45 DN5.0 + 6×KCIBF-80 DN5.0								
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	$\eta_{s,h}$	159.8	%
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}	30.51	kW		T_j=-7°C	COP_d	2.57	--
T_j=+2°C	P_{dh}	18.58	kW		T_j=+2°C	COP_d	3.59	--
T_j=+7°C	P_{dh}	12.42	kW		T_j=+7°C	COP_d	6.36	--
T_j=+12°C	P_{dh}	10.38	kW		T_j=+12°C	COP_d	8.31	--
T_{biv}=bivalent temperature	P_{dh}	30.80	kW		T_{biv} =bivalent temperature	COP_d	2.03	--
T_{OL}=operation temperature	P_{dh}	30.80	kW		T_{OL} =operation temperature	COP_d	2.03	--
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	0.04	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.04	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	18500	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):KMF-615 DN6) Test matching indoor units form, cassette: 8×KCIBF-80 DN5.0								
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	$\eta_{s,c}$	243.0	%
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°C	P_{dc}	61.50	kW		T_j=+35°C	EER_d	2.00	--
T_j=+30°C	P_{dc}	43.96	kW		T_j=+30°C	EER_d	4.24	--
T_j=+25°C	P_{dc}	28.27	kW		T_j=+25°C	EER_d	7.60	--
T_j=+20°C	P_{dc}	12.57	kW		T_j=+20°C	EER_d	13.13	--
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}	0.04	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	--	19000	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.								

22HP

Heating mode:

Information requirements for heat pumps								
Model(s): KMF-615 DN6 Test matching indoor units form, cassette: 8×KCIBF-80 DN5.0								
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	$\eta_{s,h}$	157.0	%
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}	32.36	kW		T_j=-7°C	COP_d	255	--
T_j=+2°C	P_{dh}	19.70	kW		T_j=+2°C	COP_d	346	--
T_j=+7°C	P_{dh}	12.67	kW		T_j=+7°C	COP_d	631	--
T_j=+12°C	P_{dh}	10.84	kW		T_j=+12°C	COP_d	899	--
T_{biv}=bivalent temperature	P_{dh}	36.60	kW		T_{biv} =bivalent temperature	COP_d	204	--
T_{OL}=operation temperature	P_{dh}	36.60	kW		T_{OL} =operation temperature	COP_d	204	--
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	0.04	kW
Thermosat-off mode	P_{TO}	0.005	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0.04	kW		Standby mode	P_{SB}	0.005	kW
Other items								
Capacity control	variable				For air-to-air heat pump: air flow rate, outdoor measured	--	19000	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.								