Cooling mode:

Information requirements for air-to-air conditioners

Model(s): K3F-335 DN4S
Test matching indoor units form, ducted

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

Type: compressor driven

Driver of compressor: electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	33.5	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	289	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C（dry/wet bulb）				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35°C	P_{dc}	33.50	kW	T_j=+35°C	EER_d	3.88	--
T_j=+30°C	P_{dc}	24.68	kW	T_j=+30°C	EER_d	5.29	--
T_j=+25°C	P_{dc}	15.12	kW	T_j=+25°C	EER_d	8.61	--
T_j=+20°C	P_{dc}	8.72	kW	T_j=+20°C	EER_d	12.49	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	10000	m^3/h
Sound power level, outdoor	L_{WA}	81	dB				
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)				

Contact details

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

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

Heating mode:

Information requirements for heat pumps

Model(s): K3F-335 DN4S
Test matching indoor units form, ducted

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

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

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	33.5	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	181	%
Declared heating capacity for part load at indoor 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}	16.30	kW	T_j=-7°C	COP_d	2.88	--
T_j=+2°C	P_{dh}	9.92	kW	T_j=+2°C	COP_d	4.38	--
T_j=+7°C	P_{dh}	6.77	kW	T_j=+7°C	COP_d	6.35	--
T_j=+12°C	P_{dh}	6.12	kW	T_j=+12°C	COP_d	8.12	--
T_{biv}=bivalent temperature	P_{dh}	18.43	kW	T_{biv} =bivalent temperature	COP_d	2.48	--
T_{OL}=operation temperature	P_{dh}	18.43	kW	T_{OL} =operation temperature	COP_d	2.48	--
Bivalent temperature	T_{biv}	-10	°C				
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--				
Power consumption in modes other than "active mode"				Supplementary heater			
Off mode	P_{OFF}	0.05	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.05	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air heat pump: air flow rate, outdoor measured	--	10000	m^3/h
Sound power level, outdoor	L_{WA}	81	dB				
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)				

Contact details

(*)

(**)If C_{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.

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Cooling mode:

Information requirements for air-to-air conditioners

Model(s): K3F-335 DN4S
Test matching indoor units form2, cassette

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

Type: compressor driven

Driver of compressor: electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	33.5	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	258	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C（dry/wet bulb）				Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35°C	P_{dc}	33.50	kW	T_j=+35°C	EER_d	3.50	--
T_j=+30°C	P_{dc}	24.68	kW	T_j=+30°C	EER_d	4.72	--
T_j=+25°C	P_{dc}	15.87	kW	T_j=+25°C	EER_d	6.83	--
T_j=+20°C	P_{dc}	9.65	kW	T_j=+20°C	EER_d	14.25	--
Degradation co-efficient for air conditioners(*)	C_{dc}	0.25	--				
Power consumption in modes other than "active mode"							
Off mode	P_{OFF}	0.05	kW	Crankcase heater mode	P_{CK}	0.005	kW
Thermosat-off mode	P_{TO}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	--	10000	m^3/h
Sound power level, outdoor	L_{WA}	81	dB				
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)				

Contact details

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

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

Heating mode:

Information requirements for heat pumps

Model(s): K3F-335 DN4S
Test matching indoor units form2, cassette

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

If the heater is equipped with a supplementary heater: no

Driver of compressor: electric motor

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

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	33.5	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	180	%
Declared heating capacity for part load at indoor 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}	16.30	kW	T_j=-7°C	COP_d	2.82	--
T_j=+2°C	P_{dh}	9.92	kW	T_j=+2°C	COP_d	4.35	--
T_j=+7°C	P_{dh}	6.64	kW	T_j=+7°C	COP_d	6.41	--
T_j=+12°C	P_{dh}	5.78	kW	T_j=+12°C	COP_d	7.70	--
T_{biv}=bivalent temperature	P_{dh}	18.43	kW	T_{biv} =bivalent temperature	COP_d	2.66	--
T_{OL}=operation temperature	P_{dh}	18.43	kW	T_{OL} =operation temperature	COP_d	2.66	--
Bivalent temperature	T_{biv}	-10	°C				
Degradation co-efficient for heat pumps(**)	C_{dh}	0.25	--				
Power consumption in modes other than "active mode"				Supplementary heater			
Off mode	P_{OFF}	0.05	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P_{TO}	0.05	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.005	kW	Standby mode	P_{SB}	0.05	kW
Other items							
Capacity control	variable			For air-to-air heat pump: air flow rate, outdoor measured	--	10000	m^3/h
Sound power level, outdoor	L_{WA}	81	dB				
GWP of the refrigerant		2088	kg $CO_{2\ eq}$ (100years)				

Contact details

(*)

(**)If C_{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.

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