

Cooling mode:

Information requirements for air-to-air conditioners								
Model(s):K3F 252 DN3S;								
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	$\eta_{s,c}$	188.2	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j				
$T_j=+35^\circ\text{C}$	P_{dc}	25.2	kW		$T_j=+35^\circ\text{C}$	EER_d	2.93	--
$T_j=+30^\circ\text{C}$	P_{dc}	17.76	kW		$T_j=+30^\circ\text{C}$	EER_d	4.13	--
$T_j=+25^\circ\text{C}$	P_{dc}	12.228	kW		$T_j=+25^\circ\text{C}$	EER_d	5.83	--
$T_j=+20^\circ\text{C}$	P_{dc}	8.577	kW		$T_j=+20^\circ\text{C}$	EER_d	7.93	--
Degradation co-efficient for air conditioners(*)								
	C_{dc}	0.25	--					
Power consumption in modes other than "active mode"								
Off mode	P_{OFF}	0.061	kW		Crankcase heater mode	P_{CK}	0.061	kW
Thermostat-off mode	P_{TO}	0	kW		Standby mode	P_{SB}	0.061	kW
Other items								
Capacity control	variable				For air-to-air air conditioner:air flow rate,outdoor measured	--	12000	m^3/h
Sound power level,outdoor	L_{WA}	79	dB					
GWP of the refrigerant		2088	$\text{kg CO}_2 \text{ eq}(100\text{years})$					
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 252 DN3S;									
Outdoor side heat exchanger of air conditioner:air									
Indoor side heat exchanger of air conditioner:air									
Indication if the heater is equipped with a supplementary heater:no									
If applicable:driver of compressor:electric motor									
Parameters shall be declared for the average heating season,parameters for the warmer and colder heating seasons are optional									
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	$P_{rated,h}$	27	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	133.4	%	
Declared heating capacity for part load at indoor temperature 20°C and outdoor temperatures T_j				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j					
$T_j=-7^\circ\text{C}$	P_{dh}	13.717	kW		$T_j=-7^\circ\text{C}$	COP_d	2.45	--	
$T_j=+2^\circ\text{C}$	P_{dh}	9.000	kW		$T_j=+2^\circ\text{C}$	COP_d	3.35	--	
$T_j=+7^\circ\text{C}$	P_{dh}	6.028	kW		$T_j=+7^\circ\text{C}$	COP_d	4.31	--	
$T_j=+12^\circ\text{C}$	P_{dh}	7.317	kW		$T_j=+12^\circ\text{C}$	COP_d	5.18	--	
T_{biv} =bivalent temperature	P_{dh}	13.717	kW		T_{biv} =bivalent temperature	COP_d	2.45	--	
T_{OL} =operation temperature	P_{dh}	15.988	kW		T_{OL} =operation temperature	COP_d	2.32	--	
Bivalent temperature	T_{biv}	-7	°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}	0.061	kW		Back-up heating capacity(*)	e_{bu}	0	kW	
Thermostat-off mode	P_{TO}	0.061	kW		Type of energy input				
Crankcase heater mode	P_{CK}	0.125	kW		Standby mode	P_{SB}	0.061	kW	
Other items									
Capacity control	variable				For air-to-air heat pump:air flow rate,outdoor measured	--	12000	m^3/h	
Sound power level,outdoor	L_{WA}	79	dB						
GWP of the refrigerant		2088	$\text{kg CO}_2 \text{ eq}(100\text{years})$						
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									



Kaysun
by frigicoll