

Information to identify the model(s) to which the information relates:

Outdoor : AU042FCFRA

Indoor: 2xAD092MJFRA+2xAD122MJFRA

Outdoor side heat exchanger of heat pump: air

Indoor side heat exchanger of heat pump: air

Indication if the heater is equipped with a supplementary heater: No

If applicable: driver of compressor: electric motor

Climate type: average heating season

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	12.1	kW	Seasonal space heating energy efficiency	η _{s,h}	192.2	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature 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}	7.00	kW	T _j = − 7 °C	COP _d	3.21	w/w
T _j =+ 2 °C	P _{dh}	4.30	kW	T _j =+ 2 °C	COP _d	4.52	w/w
T _j =+ 7 °C	P _{dh}	2.79	kW	T _j =+ 7 °C	COP _d	6.73	w/w
T _j =+ 12 °C	P _{dh}	2.54	kW	T _j =+ 12 °C	COP _d	10.24	w/w
T _{biv} = bivalent temperature	P _{dh}	7.00	kW	T _{biv} = bivalent temperature	COP _d	3.21	w/w
T _{OL} = operation limit	P _{dh}	7.96	kW	T _{OL} = operation limit	COP _d	2.71	w/w
Bivalent temperature	T _{biv}	-7	°C	Degradation co-efficient heat pumps	C _{dh}	0.25	—
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P _{OFF}	0.025	kW	Back-up heating capacity	elbu	0	kW
Thermostat-off mode	P _{TO}	0.025	kW	Type of energy input	electric energy		
Crankcase heater mode	P _{CK}	0	kW	Standby mode	P _{SB}	0.025	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: air flow rate, outdoor measured	—	3520	m ³ /h
Sound power level, indoor/outdoor measured	L _{WA}	AD092: 27, AD122: 29	dB	GWP of the refrigerant	675	kg CO ₂ eq (100 years)	
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Indoor side heat exchanger of air conditioner: air

Type: compressor driven vapour compression or sorption process: vapour compression

If applicable: driver of compressor: electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	12.1	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	320.6	%
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			
$T_j = + 35\text{ °C}$	P_{dc}	12.10	kW	$T_j = + 35\text{ °C}$	EER_d	3.52	w/w
$T_j = + 30\text{ °C}$	P_{dc}	8.95	kW	$T_j = + 30\text{ °C}$	EER_d	5.61	w/w
$T_j = + 25\text{ °C}$	P_{dc}	5.70	kW	$T_j = + 25\text{ °C}$	EER_d	10.80	w/w
$T_j = + 20\text{ °C}$	P_{dc}	3.25	kW	$T_j = + 20\text{ °C}$	EER_d	13.62	w/w
Degradation co-efficient heat pumps	C_{dh}	0.25	—				

Power consumption in modes other than 'active mode'

Off mode	P_{OFF}	0.023	kW	Crankcase heater mode	P_{CK}	0	kW
Thermostat-off mode	P_{TO}	0.023	kW	Standby mode	P_{SB}	0.023	kW

Other items

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