PSA012J209A

Model(s) :	FDC224KXZE3						
Outdoor side heat exchanger of air conditioner :	air						
Indoor side heat exchanger of air conditioner :	air						
Type :	vapour compression						
if applicable :	electric motor						

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	**22.4**	kW	Seasonal space cooling energy efficiency	η s,c	**363.6**	%

Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°C/19°C(dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=+35°C	Pdc	**22.4**	kW	T_j=+35°C	EERd or GUEc,bin / AEFc,bin	**406.0**	%
T_j=+30°C	Pdc	**16.5**	kW	T_j=+30°C	EERd or GUEc,bin / AEFc,bin	**663.0**	%
T_j=+25°C	Pdc	**10.5**	kW	T_j=+25°C	EERd or GUEc,bin / AEFc,bin	**1113.0**	%
T_j=+20°C	Pdc	**5.9**	kW	T_j=+20°C	EERd or GUEc,bin / AEFc,bin	**1717.0**	%
Degradation coefficient for air conditioners**	Cdc	**0.25**	-				

Power consumption in other than 'active mode'							
Off mode	P_{OFF}	**0.010**	kW	Crankcase heater mode	P_{CK}	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.041**	kW	Standby mode	P_{SB}	**0.010**	kW

Other items							
Capacity control		**variable**		For air-to-air air conditioner: air flow-rate,outdoor measured		**9480**	m3/h
Sound power level, outdoor	L_{WA}	**76.0**	dB				
If engine driven: Emissions of nitrogen oxides	NOx ***	**-**	mg/kWh fuel input GCV				

GWP of the refrigerant	**675**	kg CO_{2eq} (100years)	

Contact details	Mitsubishi heavy industries thermal systems,LTD

** If Cdc is not determined by measurement then the default degradation coefficient air conditioners shall be 0,25.

*** from 26 September 2018

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

PSA012J209A

Information to identify the model(s) to which the information relates :				FDC224KXZE3			
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 :				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	Prated,h	**22.4**	kW	Seasonal space heating energy efficiency	η s,h	**189.8**	%
Declared heating capacity for part load at indoor temperature 20℃ and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j=-7°C	Pdh	**11.3**	kW	T_j=-7℃	COPd or GUEh,bin / AEFh,bin	**311.0**	%
T_j=+2°C	Pdh	**6.9**	kW	T_j=+2℃	COPd or GUEh,bin / AEFh,bin	**468.0**	%
T_j=+7℃	Pdh	**5.7**	kW	T_j=+7℃	COPd or GUEh,bin / AEFh,bin	**670.0**	%
T_j=+12℃	Pdh	**6.8**	kW	T_j=+12℃	COPd or GUEh,bin / AEFh,bin	**872.0**	%
T_{biv}=bivalent temperature	Pdh	**12.9**	kW	T_{biv}=bivalent temperature	COPd or GUEh,bin / AEFh,bin	**271.0**	%
T_{OL}=operation limit	Pdh	**12.9**	kW	T_{OL}=operation limit	COPd or GUEh,bin / AEFh,bin	**271.0**	%
For air-to-water heat pumps : T_j=-15℃ (if T_{OL}＜-20℃)	Pdh	**-**	kW	For air-to-water heat pumps:T_j=-15℃ (if T_{OL}＜-20°C)	COPd or GUEh,bin / AEFh,bin	**-**	%
Bivalent temperature	T_{biv}	**-10.0**	℃	For water-to-air heat pumps:Operation limit T_{OL} temperature		**-**	℃
Degradation coefficient heat pumps**	C_{dh}	**0.25**	-				
Power consumption in modes other than 'active mode'				Supplementary heater back-up heating capacity	elbu	**-**	kW
Off mode	P_{OFF}	**0.043**	kW	Type of energy input Standby mode	P_{SB}	**0.043**	kW
Thermostat-off mode	P_{TO}	**0.054**	kW				
Crankcase heater mode	P_{CK}	**0.043**	kW				
Other items				For air-to-air heat pumps: air flow-rate,outdoor measured		**9540**	m3/h
Capacity control		**variable**					
Sound power level, outdoor measured	L_{WA}	**78.0**	dB	For water-/brine-to-air heat pumps : Rated brine or water flow-rate, outdoor side heat exchanger		**-**	m3/h
Emissions of nitrogen oxides(if applicable)	NOx ***	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		**675**	kg CO_{2eq} (100years)				
Contact details	Mitsubishi heavy industries thermal systems,LTD						

** If Cdh is not determined by measurement then the default degradation coefficient air conditioners shall be 0,25.

*** from 26 September 2018

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