Model(s) :	**FDC125VNP-W / FDUM125VH**						
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	**12.1**	kW	Seasonal space cooling energy efficiency	η s,c	**216.9**	%

Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27℃/19℃(dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures Tj			
Tj=+35℃	Pdc	**12.1**	kW	Tj=+35℃	EERd or GUEc,bin / AEFc,bin	**314.0**	%
Tj=+30℃	Pdc	**8.9**	kW	Tj=+30℃	EERd or GUEc,bin / AEFc,bin	**418.0**	%
Tj=+25℃	Pdc	**5.7**	kW	Tj=+25℃	EERd or GUEc,bin / AEFc,bin	**667.0**	%
Tj=+20℃	Pdc	**3.3**	kW	Tj=+20℃	EERd or GUEc,bin / AEFc,bin	**895.0**	%
Degradation coefficient for air conditioners**	Cdc	**0.25**	-				

Power consumption in other than 'active mode'							
Off mode	P_{OFF}	**0.012**	kW	Crankcase heater mode	P_{CK}	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.070**	kW	Standby mode	P_{SB}	**0.012**	kW

Other items						
Capacity control		**variable**		For air-to-air air conditioner: air flow-rate,outdoor measured	**4500**	m3/h
Sound power level, outdoor	L_{WA}	**73.0**	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.

Information to identify the model(s) to which the information relates :	**FDC125VNP-W / FDUM125VH**
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
Rated heating capacity	Prated,h	**12.1**	kW
Declared heating capacity for part load at indoor temperature 20℃ and outdoor temperature Tj			
T_j=-7℃	Pdh	**7.0**	kW
T_j=+2℃	Pdh	**4.3**	kW
T_j=+7℃	Pdh	**2.7**	kW
T_j=+12℃	Pdh	**3.0**	kW
T_{biv}=bivalent temperature	Pdh	**7.9**	kW
T_{OL}=operation limit	Pdh	**7.9**	kW
For air-to-water heat pumps : T_j=-15℃ (if T_{OL}＜-20℃)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-10.0**	℃
Degradation coefficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.012**	kW
Thermostat-off mode	P_{TO}	**0.070**	kW
Crankcase heater mode	P_{CK}	**0.000**	kW
Other items			
Capacity control		**variable**	
Sound power level, outdoor measured	L_{WA}	**72.0**	dB
Emissions of nitrogen oxides(if applicable)	NOx ***	**-**	mg/kWh fuel input GCV
GWP of the refrigerant		**675**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η s,h	**157.4**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures Tj			
T_j=-7℃	COPd or GUEh,bin / AEFh,bir	**250.0**	%
T_j=+2℃	COPd or GUEh,bin / AEFh,bir	**400.0**	%
T_j=+7℃	COPd or GUEh,bin / AEFh,bir	**528.0**	%
T_j=+12℃	COPd or GUEh,bin / AEFh,bir	**603.0**	%
T_{biv}=bivalent temperature	COPd or GUEh,bin / AEFh,bir	**260.0**	%
T_{OL}=operation limit	COPd or GUEh,bin / AEFh,bir	**260.0**	%
For air-to-water heat pumps:T_j=-15℃ (if T_{OL}＜-20℃)	COPd or GUEh,bin / AEFh,bir	**-**	%
For water-to-air heat pumps:Operation limit T_{ol} temperature		**-**	℃
Supplementary heater back-up heating capacity	elbu	**-**	kW
Type of energy input Standby mode	P_{SB}	**0.012**	kW
For air-to-air heat pumps: air flow-rate,outdoor measured		**4740**	m3/h
For water-/brine-to-air heat pumps : Rated brine or water fiow-rate, outdoor side heat exchanger		**-**	m3/h

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

*** from 26 September 2018

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