Model(s) :	FDC125VSA-W / FDT125VH						
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	**12.5**	kW	Seasonal space cooling energy efficiency	η s,c	**258.0**	%

Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27℃/19℃(dry/wet bulb)

Tj=+35℃	Pdc	**12.5**	kW
Tj=+30℃	Pdc	**9.0**	kW
Tj=+25℃	Pdc	**5.8**	kW
Tj=+20℃	Pdc	**3.1**	kW
Degradation coefficient for air conditioners**	Cdc	**0.25**	-

Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures Tj

Tj=+35℃	EERd or GUEc,bin / AEFc,bin	**309.0**	%
Tj=+30℃	EERd or GUEc,bin / AEFc,bin	**486.0**	%
Tj=+25℃	EERd or GUEc,bin / AEFc,bin	**773.0**	%
Tj=+20℃	EERd or GUEc,bin / AEFc,bin	**1164.0**	%

Power consumption in other than 'active mode'

Off mode	P_{OFF}	**0.007**	kW	Crankcase heater mode	P_{CK}	**0.005**	kW
Thermostat-off mode	P_{TO}	**0.022**	kW	Standby mode	P_{SB}	**0.007**	kW

Other items

Capacity control		**variable**				
Sound power level, outdoor	L_{WA}	**71.0**	dB			
If engine driven: Emissions of nitrogen oxides	NOx ***	-	mg/kWh fuel input GCV			
				For air-to-air air conditioner: air flow-rate,outdoor measured	**4500**	m3/h
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 :	FDC125VSA-W / FDT125VH
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	**14.0**	kW
Seasonal space heating energy efficiency ηs,h		**172.1**	%

Declared heating capacity for part load at indoor temperature 20℃ and outdoor temperature Tj

	Symbol	Value	Unit
T_j=-7℃	Pdh	**8.7**	kW
T_j=+2℃	Pdh	**5.3**	kW
T_j=+7℃	Pdh	**3.4**	kW
T_j=+12℃	Pdh	**2.9**	kW
T_{biv}=bivalent temperature	Pdh	**9.8**	kW
T_{OL}=operation limit	Pdh	**7.4**	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**	-

Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures Tj

		Value	Unit
T_j=-7℃	COPd or GUEh,bin / AEFh,bin	**300.0**	%
T_j=+2℃	COPd or GUEh,bin / AEFh,bin	**425.0**	%
T_j=+7℃	COPd or GUEh,bin / AEFh,bin	**545.0**	%
T_j=+12℃	COPd or GUEh,bin / AEFh,bin	**719.0**	%
T_{biv}=bivalent temperature	COPd or GUEh,bin / AEFh,bin	**270.0**	%
T_{OL}=operation limit	COPd or GUEh,bin / AEFh,bin	**220.0**	%
For air-to-water heat pumps:T_j=-15℃ (if T_{OL}＜-20℃)	COPd or GUEh,bin / AEFh,bin	**-**	%
For water-to-air heat pumps:Operation limit T_{ol} temperature		**-**	℃

Power consumption in modes other than 'active mode'

	Symbol	Value	Unit
Off mode	P_{OFF}	**0.007**	kW
Thermostat-off mode	P_{TO}	**0.034**	kW
Crankcase heater mode	P_{CK}	**0.005**	kW

		Value	Unit
Supplementary heater back-up heating capacity	elbu	**-**	kW
Type of energy input Standby mode	P_{SB}	**0.007**	kW

Other items

		Value	Unit
Capacity control		**variable**	
Sound power level, outdoor measured	L_{WA}	**71.0**	dB
Emissions of nitrogen oxides(if applicable)	NOx ***	**-**	mg/kWh fuel input GCV
For air-to-air heat pumps: air flow-rate,outdoor measured		**4380**	m3/h
For water-/brine-to-air heat pumps : Rated brine or water flow-rate, outdoor side heat exchanger		**-**	m3/h
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

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