

FDE125VNAVH

Model(s) : FDC125VNA / FDE125VH			
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
Rated cooling capacity	Prated,c	12.5	kW
Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27°C/19°C(dry/wet bulb)			
Tj=+35°C	Pdc	12.5	kW
Tj=+30°C	Pdc	9.2	kW
Tj=+25°C	Pdc	5.9	kW
Tj=+20°C	Pdc	3.4	kW
Degradation coefficient for air conditioners**	Cdc	0.25	-
Power consumption in other than 'active mode'			
Off mode	P _{OFF}	0.008	kW
Thermostat-off mode	P _{TO}	0.030	kW
Other items			
Capacity control		variable	
Sound power level, outdoor	L _{WA}	71.0	dB
If engine driven: Emissions of nitrogen oxides	NO _x ***	-	mg/kWh fuel input GCV
GWP of the refrigerant		2,088	kg CO _{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space cooling energy efficiency ηs,c		238.1	%
Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures Tj			
Tj=+35°C	EERd or GUEc,bin / AEFc,bin	281.0	%
Tj=+30°C	EERd or GUEc,bin / AEFc,bin	448.0	%
Tj=+25°C	EERd or GUEc,bin / AEFc,bin	735.0	%
Tj=+20°C	EERd or GUEc,bin / AEFc,bin	1,097.0	%
Crankcase heater mode			
	P _{CK}	0.008	kW
Standby mode			
	P _{SB}	0.008	kW
For air-to-air air conditioner: air flow-rate,outdoor measured		4,500	m ³ /h

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.

FDE125VNAVH

Information to identify the model(s) to which the information relates :				FDC125VNA / FDE125VH			
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	14.0	kW	Seasonal space heating energy efficiency ηs,h		169.1	%
Declared heating capacity for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures Tj			
Tj=-7°C	Pdh	8.7	kW	Tj=-7°C	COPd or GUEh,bin / AEFh,bin	298.0	%
Tj=+2°C	Pdh	5.3	kW	Tj=+2°C	COPd or GUEh,bin / AEFh,bin	412.0	%
Tj=+7°C	Pdh	3.4	kW	Tj=+7°C	COPd or GUEh,bin / AEFh,bin	567.0	%
Tj=+12°C	Pdh	2.7	kW	Tj=+12°C	COPd or GUEh,bin / AEFh,bin	639.0	%
Tbiv=bivalent temperature	Pdh	9.8	kW	Tbiv=bivalent temperature	COPd or GUEh,bin / AEFh,bin	247.0	%
TOL=operation limit	Pdh	7.7	kW	TOL=operation limit	COPd or GUEh,bin / AEFh,bin	214.0	%
For air-to-water heat pumps : Tj=-15°C (if TOL<-20°C)	Pdh	-	kW	For air-to-water heat pumps: Tj=-15°C (if TOL<-20°C)	COPd or GUEh,bin / AEFh,bin	-	%
Bivalent temperature	Tbiv	-10.0	°C	For water-to-air heat pumps: Operation limit TOL temperature		-	°C
Degradation coefficient heat pumps**	Cdh	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater back-up heating capacity			
Off mode	P _{OFF}	0.008	kW		elbu	-	kW
Thermostat-off mode	P _{TO}	0.043	kW	Type of energy input	P _{SB}	0.008	kW
Crankcase heater mode	P _{CK}	0.008	kW	Standby mode			
Other items				For air-to-air heat pumps: air flow-rate,outdoor measured			
Capacity control		variable				4,380	m ³ /h
Sound power level, outdoor measured	L _{WA}	71.0	dB	For water-/brine-to-air heat pumps : Rated brine or water flow-rate, outdoor side heat exchanger		-	m ³ /h
Emissions of nitrogen oxides(if applicable)	NOx ***	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2,088	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-split 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.							