

Model(s) : FDC280KXZE2							
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	28.0	kW	Seasonal space cooling energy efficiency $\eta_{s,c}$		289.1	%
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			
$T_j=+35^\circ\text{C}$	Pdc	28.0	kW	$T_j=+35^\circ\text{C}$	EERd or GUEc,bin / AEFc,bin	386.0	%
$T_j=+30^\circ\text{C}$	Pdc	20.6	kW	$T_j=+30^\circ\text{C}$	EERd or GUEc,bin / AEFc,bin	552.0	%
$T_j=+25^\circ\text{C}$	Pdc	13.2	kW	$T_j=+25^\circ\text{C}$	EERd or GUEc,bin / AEFc,bin	910.0	%
$T_j=+20^\circ\text{C}$	Pdc	10.1	kW	$T_j=+20^\circ\text{C}$	EERd or GUEc,bin / AEFc,bin	1290.0	%
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}	0.035	kW
Thermostat-off mode	P _{TO}	0.050	kW	Standby mode	P _{SB}	0.010	kW
Other items				For air-to-air air conditioner: air flow-rate,outdoor measured			
Capacity control		variable		13500 m ³ /h			
Sound power level, outdoor	L _{WA}	75.0	dB				
If engine driven: Emissions of nitrogen oxides	NOx ***	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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-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.							

Information to identify the model(s) to which the information relates :				FDC280KXZE2			
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	31.5	kW	Seasonal space heating energy efficiency $\eta_{s,h}$		192.2	%
Declared heating capacity for part load at indoor temperature 20°C and outdoor temperature T _j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T _j			
T _j =-7°C	P _{dh}	16.4	kW	T _j =-7°C	COP _d or GUE _{h,bin} / AEF _{h,bin}	339.0	%
T _j =+2°C	P _{dh}	10.0	kW	T _j =+2°C	COP _d or GUE _{h,bin} / AEF _{h,bin}	479.0	%
T _j =+7°C	P _{dh}	6.4	kW	T _j =+7°C	COP _d or GUE _{h,bin} / AEF _{h,bin}	790.0	%
T _j =+12°C	P _{dh}	6.4	kW	T _j =+12°C	COP _d or GUE _{h,bin} / AEF _{h,bin}	870.0	%
T _{biv} =bivalent temperature	P _{dh}	18.5	kW	T _{biv} =bivalent temperature	COP _d or GUE _{h,bin} / AEF _{h,bin}	313.0	%
T _{OL} =operation limit	P _{dh}	15.3	kW	T _{OL} =operation limit	COP _d or GUE _{h,bin} / AEF _{h,bin}	233.0	%
For air-to-water heat pumps : T _j =-15°C (if T _{OL} <-20°C)	P _{dh}	-	kW	For air-to-water heat pumps: T _j =-15°C (if T _{OL} <-20°C)	COP _d or GUE _{h,bin} / AEF _{h,bin}	-	%
Bivalent temperature	T _{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit T _{ol} temperature		-	°C
Degradation coefficient heat pumps**	C _{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater back-up heating capacity			
Off mode	P _{OFF}	0.010	kW		elbu	-	kW
Thermostat-off mode	P _{TO}	0.060	kW	Type of energy input	P _{SB}	0.010	kW
Crankcase heater mode	P _{CK}	0.035	kW	Standby mode			
Other items				For air-to-air heat pumps: air flow-rate,outdoor measured			
Capacity control		variable				13500	m ³ /h
Sound power level, outdoor measured	L _{WA}	76.0	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)	NO _x ***	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO _{2eq} (100years)				
Contact details				Mitsubishi heavy industries thermal systems,LTD			
** If C _{dh} 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.							