Product specification (Mitsubishi PUZ-ZM140YKA)

(1250 x 1250 x 300 deep and be wall mounted)

PRODUCT INFORMATION([1])

Model(s): Information to identify the model(s) to which the information relates:

Outdoor: PUZ-ZM140YKA Indoor: PEAD-M140JAL

Outdoor side heat exchanger of air conditioner: air

Indoor side heat exchanger of air conditioner: air

Type: compressor driven vapour compression

If applicable: driver of compressor: electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	13,40	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$	235,4	%
Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27°/19 °C (dry/wet bulb)					Declared energy efficiency ratio for part load at given outdoor temperatures Tj			
Tj = + 35 °C	Pdc	13,40	kW		Tj = + 35 °C	EER_d	3,71	–
Tj = + 30 °C	Pdc	9,90	kW		Tj = + 30 °C	EER_d	5,10	–
Tj = + 25 °C	Pdc	6,40	kW		Tj = + 25 °C	EER_d	7,10	–
Tj = + 20 °C	Pdc	4,50	kW		Tj = + 20 °C	EER_d	7,90	–
Degradation co-efficient for air conditioners(*)	C_{dc}	0,25	–					
Power consumption in modes other than 'active mode'								
Off mode	P_{OFF}	0,023	kW		Crankcase heater mode	P_{CK}	0,000	kW
Thermostat-off mode	P_{TO}	0,015	kW		Standby mode	P_{SB}	0,023	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	–	7200	m^3/h
Sound power level, indoor/outdoor	L_{WA}	67,0 / 70,0	dB					
If engine driven: Emissions of nitrogen oxides	NO_x(**)	–	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg $CO_{2\,eq}$ (100 years)					
Contact details	MITSUBISHI ELECTRIC CORPORATION SHIZUOKA WORKS 3-18-1, Oshika, Suruga-ku, Shizuoka 422-8528, Japan							

(*) If C_{dc} 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 may 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.

(1) This information is based on COMMISSION REGULATION (EU) 2016/2281

Recycle

Your MITSUBISHI ELECTRIC product is designed and manufactured with high quality materials and components which can be recycled and reused.
Electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.
Please, dispose of this equipment at your local community waste collection/recycling center.
In the European Union there are separate collection systems for used electrical and electronic product.
Please, help us to conserve the environment we live in!

PRODUCT INFORMATION([1])

Information to identify the model(s) to which the information relates:

Outdoor: PUZ-ZM140YKA Indoor: PEAD-M140JAL

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: driver of compressor: 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	$P_{rated,h}$	16,00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$	157,4	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature Tj					Declared coefficient of performance for part load at given outdoor temperatures Tj			
Tj = – 7 °C	Pdh	9,30	kW		Tj = – 7 °C	COP_d	3,00	–
Tj = + 2 °C	Pdh	6,00	kW		Tj = + 2 °C	COP_d	4,00	–
Tj = + 7 °C	Pdh	4,00	kW		Tj = + 7 °C	COP_d	4,70	–
Tj = + 12 °C	Pdh	4,10	kW		Tj = + 12 °C	COP_d	5,50	–
T_{biv} = bivalent temperature	Pdh	10,60	kW		T_{biv} = bivalent temperature	COP_d	2,70	–
T_{OL} = operation limit	Pdh	7,90	kW		T_{OL} = operation limit	COP_d	1,50	–
For air-to-water heat pumps: Tj = – 15 °C (if T_{OL} < – 20 °C)	Pdh	–	kW		For water-to-air heat pumps: Tj = – 15 °C (if T_{OL} < – 20 °C)	COP_d	–	–
Bivalent temperature	T_{biv}	-10	°C		For water-to-air heat pumps: Operation limit temperature	T_{ol}	–	°C
Degradation co-efficient heat pumps(**)	C_{dh}	0,25	–					
Power consumption in modes other than 'active mode'					Supplementary heater			
Off mode	P_{OFF}	0,023	kW		Back-up heating capacity (*)	elbu	0,000	kW
Thermostat-off mode	P_{TO}	0,015	kW		Type of energy input			
Crankcase heater mode	P_{CK}	0,000	kW		Standby mode	P_{SB}	0,023	kW

Other items

Capacity control	variable				For air-to-air heat pumps: air flow rate, outdoor measured	–	7200	m^3/h
Sound power level, indoor/outdoor	L_{WA}	67,0 / 72,0	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		675	kg $CO_{2\,eq}$ (100 years)					
Contact details	MITSUBISHI ELECTRIC CORPORATION SHIZUOKA WORKS 3-18-1, Oshika, Suruga-ku, Shizuoka 422-8528, Japan							

(*)

(**) If C_{dh} is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.

(***) From 26 September 2018.

Where information relates to multi-split heat pumps, the test result and performance data may 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.

(1) This information is based on COMMISSION REGULATION (EU) 2016/2281