

1-14. Information Table

1-14-2. PZH3

1-14-2-2. Middle Static Pressure Duct Type S-1014PF3E(125) / U-125PZH3E8

Information requirements for heat pumps

Model(s):	Outdoor Unit Indoor Unit
Outdoor side heat exchanger of heat pump:	U-125PZH3E8 S-1014PF3E
Indoor side heat exchanger of heat pump:	air
Indication if the heater is equipped with a supplementary heater:	air
if applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine]	no
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.	electric motor

Information requirements for air-to-air air conditioners

Model(s):	Outdoor Unit Indoor Unit
Outdoor side heat exchanger of air conditioner:	U-125PZH3E8 S-1014PF3E
Indoor side heat exchanger of air conditioner:	air
Type: compressor driven vapour compression or sorption process	air
if applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine]	vapour compression
	electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	13.5	kW	Seasonal space heating energy efficiency	η _{sh}	170.0	%
Refrigeration load	P _{design,h}	9.3	kW				
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		8.2	kW	T _J = - 7 °C		2.8	%
T _J = + 2 °C		5.0	kW	T _J = + 2 °C		4.2	%
T _J = + 7 °C		3.2	kW	T _J = + 7 °C		5.7	%
T _J = + 12 °C		3.8	kW	T _J = + 12 °C		7.2	%
T _{br} = bivalent temperature	P _{sh}	9.3	kW	T _{br} = bivalent temperature	COP _{sh} or GUE _{sh,br} / AEF _{sh,br}	2.5	%
T _{ol} = operation limit		8.4	kW	T _{ol} = operation limit		2.3	%
For air-to-water heat pumps:				For water-to-air heat pumps:			
T _J = - 15 °C (if T _{oa} < - 20 °C)		-	kW	T _J = - 15 °C (if T _{oa} < - 20 °C)		-	%
Bivalent temperature	T _{br}	-10	°C	For water-to-air heat pumps:	T _{ol}	-20	°C
Degradation co-efficient heat pumps**	C _{sh}	0.25	-	Operation limit temperature			
Power consumption in modes other than 'active mode'							
Off mode	P _{off}	0.016	kW	Supplementary heater back-up heating capacity *	elbu	0.0	kW
Thermostat-off mode	P _{to}	0.039	kW	Type of energy input			
Crankcase heater mode	P _{ck}	0.000	kW	Standby mode	P _{sb}	0.016	kW
Other items							
Capacity control		variable		For air-to-air heat pumps: air flow rate, outdoor		6720	m³/h
Sound power level, outdoor	L _{WA}	70.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger		-	m³/h
Sound power level, indoor	L _{WA}	58.0	dB	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							
Panasonic Testing Centre, Panasonic Marketing Europe GmbH Winsbergg 15, 22525 Hamburg, Germany							

** If C_{sh} 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.

**** Refer to Information requirements for UnitList

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	12.1	kW	Seasonal space cooling energy efficiency	η _{sc}	281.0	%
Refrigeration load	P _{design,c}	12.1	kW				
Declared cooling capacity for part load at given outdoor temperatures T _J and indoor 27°/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 °C		12.1	kW	T _J = + 35 °C		3.6	%
T _J = + 30 °C		8.9	kW	T _J = + 30 °C		5.4	%
T _J = + 25 °C	P _{sc}	5.7	kW	T _J = + 25 °C		7.8	%
T _J = + 20 °C		3.4	kW	T _J = + 20 °C		14.5	%
Degradation co-efficient for air conditioners**	C _{sc}	0.25	-				
Power consumption in modes other than 'active mode'							
Off mode	P _{off}	0.016	kW	Crankcase heater mode	P _{ck}	0.000	kW
Thermostat-off mode	P _{to}	0.024	kW	Standby mode	P _{sb}	0.016	kW
Other items							
Capacity control		variable		For air-to-air air conditioner: air flow rate, outdoor		7500	m³/h
Sound power level, outdoor	L _{WA}	70.0	dB				
Sound power level, indoor	L _{WA}	58.0	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							
Panasonic Testing Centre, Panasonic Marketing Europe GmbH Winsbergg 15, 22525 Hamburg, Germany							

** If C_{sc} 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.

**** Refer to Information requirements for UnitList