

Information requirements for air-to-air air conditioners

Model(s):	Outdoor Unit	U-140PZH4E8
	Indoor Unit	S-3650PK3E×3
Outdoor side heat exchanger of air conditioner:		air
Indoor side heat exchanger of air conditioner:		air
Type: compressor driven vapour compression or sorption process		vapour compression
if applicable: driver of compressor: [electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine]		electric motor

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	13.4	kW	Seasonal space cooling energy efficiency	η _{s,c}	266.8	%
Refrigeration load	P _{design,c}	13.4	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	P _{dc}	13.4	kW	T _J = + 35 °C	EER _d or GUE _{c,bm} / AEF _{c,bm}	3.1	%
T _J = + 30 °C		9.8	kW	T _J = + 30 °C		5.1	%
T _J = + 25 °C		6.3	kW	T _J = + 25 °C		7.2	%
T _J = + 20 °C		3.1	kW	T _J = + 20 °C		14.5	%
Degradation co- efficient for air conditioners**	C _{dc}	0.25	-				
Power consumption in modes other than 'active mode'							
Off mode	P _{OFF}	0.019	kW	Crankcase heater mode	P _{CK}	0.000	kW
Thermostat-off mode	P _{TO}	0.019	kW	Standby mode	P _{SB}	0.019	kW
Other items							
Capacity control		variable		For air-to-air air conditioner: air flow rate, outdoor		5340	m³/h
Sound power level, outdoor	L _{WA}	74.0	dB				
Sound power level, indoor	L _{WA}	56.0	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 Winsbergring 15, 22525 Hamburg, Germany					

** 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.
**** Refer to Information requirements for UnitList

Information requirements for heat pumps

Model(s):	Outdoor Unit	U-140PZH4E8
	Indoor Unit	S-3650PK3E×3
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 or fuel driven, gaseous or liquid fuel, internal or external combustion engine]		electric motor

[illegible]