

Kitöltési útmutató- betélap hőszivattyús igényekhez

1. Hőszivattyúk

A hőszivattyús külön mért felhasználói áramkörrel üzemeltetett hőszivattyúk villamos adatlapjait kell csatolni, berendezés típusonként. Az adatlapok tartalmazzák a berendezés villamos adatait: névleges felvett villamos teljesítmény, maximális felvett villamos teljesítmény, névleges üzemi áramerősség és maximális áramerősség.

2. Hőszivattyú azonosítása

Hőszivattyú gyártója: A hőszivattyút gyártó cég neve, vagy a készülék márkája

Hőszivattyú típusa: A hőszivattyút pontos típusa, pl.: ABC12D-E3

Azonos típusú készülékek felszerelése esetén csak egy adatlapot kell kitölteni, a pontos darabszámot meg kell jelölni. Ha a darabszám mező nincs kitöltve, alapértelmezetten 1 darab készülékre határozzuk meg az engedélyezendő értéket. Több különböző készülék (azonos gyártótól eltérő típusok is) esetén külön adatlap kitöltése szükséges.

3. Hőszivattyú villamos paraméterei

Hőszivattyú névleges fűtőteliesség (kW): A hőszivattyú által leadott hőenergia kW-ban kifejezve.

Hőszivattyú névleges villamos teljesítmény felvétele (kW): A hőszivattyú által a hálózatról felvett villamos teljesítmény.

Névleges áramerősség (A): A hőszivattyú által névleges üzemi állapot során felvett áram.

Maximális áramerősség (A): A hőszivattyú által maximális áramerősség.

4. Hőszivattyú üzeme

SCOP érték (szezónális jóság fok): teljes fűtési szezonra vonatkozóan adja meg az éves fűtési energia igény és a befektetett energia hányadosát. Elvárt minimális értéke: 3,4, amely az SCOP címkézési rangsorban az A+++ , A++ , A+ , és A energiasztálynak felel meg.

COP meghatározás:

- Levegő – levegő: A2 / A20
- Levegő – víz: A2 / W35
- Talajkollektor – víz: B_ / W_
- Talajszonda – víz: B_ / W_
- Víz – víz: W_ / W_
- Egyéb: _ / _

A COP nem egyenlő az EER, SEER, SCOP értékekkel!

5. Egyéb közlendő:

Pl. : Teljesítménybővítés esetén a már meglévő és üzemelő berendezések gyártója(márkája) és típusa.

3.3 WH-SXC12K9E8 WH-UXZ12KE8

| Item | | Unit | Outdoor Unit | | |
|------------------------------|---|---------------------------|---|------------------|------------|
| Performance Test Condition | | | EN 14511 / EN14825 | | |
| Cooling Capacity | Condition (Ambient/Water) | | A35W7 | | |
| | kW | | 10.70 | | |
| | BTU/h | | 36500 | | |
| | kcal/h | | 9200 | | |
| Cooling EER | W/W | | 2.68 | | |
| | kcal/hW | | 2.30 | | |
| Heating Capacity | Condition (Ambient/Water) | | A7W35 | A2W35 | |
| | kW | | 12.10 | 12.00 | |
| | BTU/h | | 41300 | 41000 | |
| | kcal/h | | 10410 | 10320 | |
| Heating COP | W/W | | 4.84 | 3.44 | |
| | kcal/hW | | 4.16 | 2.96 | |
| Heating ErP | Low Temperature Application (W35) | | Warmer | Average | Colder |
| | Application | Climate | | | |
| | Pdesign | kW | 9.0 | 12.0 | 11.0 |
| | Tbivalent / TOL | °C | 2 / 2 | -10 / -10 | -15 / -22 |
| | SCOP / ns | (W/W) / % | 6.47 / 256 | 4.58 / 180 | 4.31 / 169 |
| | Annual Consumption | kWh | 1859 | 5416 | 6289 |
| | Class | | A+++ | A+++ | A++ |
| | Medium Temperature Application (W55) | | Warmer | Average | Colder |
| | Application | Climate | | | |
| | Pdesign | kW | 9.0 | 12.0 | 11.0 |
| | Tbivalent / TOL | °C | 2 / 2 | -10 / -10 | -15 / -22 |
| | SCOP / ns | (W/W) / % | 4.34 / 171 | 3.46 / 135 | 3.26 / 127 |
| | Annual Consumption | kWh | 2772 | 7167 | 8327 |
| | Class | | A+++ | A++ | A++ |
| | Noise Level | Condition (Ambient/Water) | | A35W7 | A7W35 |
| dB (A) | | | Cooling: 50 | Heating: 52 | - |
| Power Level dB | | | Cooling: 68 | Heating: 69 / 65 | - |
| Air Flow | m ³ /min (ft ³ /min) | | Cooling: 94.6 (3340) Heating: 76.0 (2680) | | |
| Refrigeration Control Device | | | Expansion Valve | | |
| Refrigeration Oil | cm ³ | | FV50S (1300) | | |
| Refrigerant (R32) | kg (oz) | | 1.60 (56.5) Precharge 2.20 (77.7) Maximum charge | | |
| F-GAS | GWP | | 675 | | |
| | CO ₂ eq (ton) (Precharged / Maximum) | | 1.080 / 1.485 | | |
| Dimension | Height | mm (inch) | 1340 (52-25/32) | | |
| | Width | mm (inch) | 900 (35-14/32) | | |
| | Depth | mm (inch) | 320 (11-24/32) | | |
| Net Weight | kg (lbs) | | 90 (198) | | |
| Pipe Diameter | Liquid | mm (inch) | 6.35 (1/4) | | |
| | Gas | mm (inch) | 12.70 (1/2) | | |

| Item | | Unit | Outdoor Unit | | |
|--|-------------------|---------------------------|--|---------------|---------------|
| Standard Length | | m (ft) | 7 (23.0) | | |
| Pipe Length Range | | m (ft) | 3 (9.8) ~ 30 (98.4) | | |
| I/D & O/D Height Difference | | m (ft) | 20 (65.6) | | |
| Additional Gas Amount | | g/m (oz/ft) | 30 (0.3) | | |
| Refrigeration Charge Less | | m (ft) | 10 (32.8) | | |
| Compressor | Type | | Hermetic Motor | | |
| | Motor Type | | Synchronous Electric Motor (6-poles) | | |
| | Rated Output | kW | 3.00 | | |
| Fan | Type | | Propeller Fan | | |
| | Material | | PP | | |
| | Motor Type | | DC (8-poles) | | |
| | Input Power | W | - | | |
| | Output Power | W | 60 | | |
| | Fan Speed | rpm | Cooling: 880 (Top), 720 (Bottom) Heating: 490 (Top), 530 (Bottom) | | |
| Heat Exchanger | Fin material | | Aluminium (Pre Coat) | | |
| | Fin Type | | Corrugated Fin | | |
| | Row × Stage × FPI | | 2 × 62 × 19 | | |
| | Size (W × H × L) | mm | 903.7 × 1302 × 36.38 | | |
| Power Source (Phase, Voltage, Cycle) | | ø | Three | | |
| | | V | 400 | | |
| | | Hz | 50 | | |
| Input Power | | Condition (Ambient/Water) | A35W7 | A7W35 | A2W35 |
| | | kW | Cooling: 4.00 | Heating: 2.50 | Heating: 3.49 |
| Maximum Input Power For Heatpump System | | kW | 7.60 | | |
| Power Supply 1 : Phase (Ø) / Max. Current (A) / Max. Input Power (W) | | | 3Ø / 11.8 / 7.60k | | |
| Power Supply 2 : Phase (Ø) / Max. Current (A) / Max. Input Power (W) | | | 3Ø / 13.0 / 9.00k | | |
| Power Supply 3 : Phase (Ø) / Max. Current (A) / Max. Input Power (W) | | | - / - / - | | |
| Starting Current | | A | 4.0 | | |
| Running Current | | Condition (Ambient/Water) | A35W7 | A7W35 | A2W35 |
| | | A | Cooling: 6.3 | Heating: 4.0 | Heating: 5.5 |
| Maximum Current For Heatpump System | | A | 11.8 | | |
| Power Factor Power factor means total figure of compressor and outdoor fan motor. | | % | Cooling: 92 | Heating: 92 | Heating: 92 |
| Power Cord | Number of core | | - | | |
| | Length | m (ft) | - | | |
| Thermostat | | | Electronic Control | | |
| Protection Device | | | Electronic Control | | |

| Item | | Unit | Indoor Unit | | |
|--|---------------------------|---------------------------|--|-------------|-------|
| Performance Test Condition | | | EN 14511 / EN14825 | | |
| Operation Range | Outdoor Ambient | °C | Cooling: 10 ~ 43 Heating: -28 ~ 35 | | |
| | Water Outlet | °C | Cooling: 5 ~ 20 Heating: 20 ~ 55 (Below Ambient -15°C) 20 ~ 60 (Below Ambient -10°C) | | |
| Internal Pressure Differential | | kPa | Cooling: 42.0 Heating: 52.0 | | |
| Noise Level | Condition (Ambient/Water) | | A35W7 | A7W35 | A2W35 |
| | dB (A) | | Cooling: 33 | Heating: 33 | - |
| | Power Level dB | | Cooling: 46 | Heating: 46 | - |
| Dimension | Height | mm (inch) | 892 (35-1/8) | | |
| | Width | mm (inch) | 500 (19-11/16) | | |
| | Depth | mm (inch) | 348 (13-23/32) | | |
| Net Weight | | kg (lbs) | 41 (90) | | |
| Refrigerant Pipe Diameter | Liquid | mm (inch) | 6.35 (1/4) | | |
| | Gas | mm (inch) | 12.70 (1/2) | | |
| Water Pipe Diameter | Inlet | mm (inch) | (1-1/4) | | |
| | Outlet | mm (inch) | (1-1/4) | | |
| Water Drain Hose Inner Diameter | | mm (inch) | 12 (17/36) | | |
| Pump | Motor Type | | Brushless DC Motor | | |
| | No. of Speed | | 7 (Software Selection) | | |
| | Input Power | W | 145 | | |
| Hot Water Coil | Type | | Brazen Plate | | |
| | No. of Plates | | 36 | | |
| | Size (W × H × L) | mm | 120 × 376 × 66 | | |
| | Water Flow Rate | l/min (m ³ /h) | Cooling: 30.7 (1.8) Heating: 34.4 (2.1) | | |
| Pressure Relief Valve Water Circuit | | kPa | Open: 300, Close: 210 and below | | |
| Flow Switch | | | Vortex (Piezoelectric Sensor) | | |
| Protection Device | | A | Residual Current Circuit Breaker (25 ~ 40) | | |
| Expansion Vessel | Volume | l | 10 | | |
| | MWP | bar | 3 | | |
| Capacity of Integrated Electric Heater | | kW | 9.00 | | |

Note:

- In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
- If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C DB and -8°C WB temperature with rated voltage 230V shall be used.
- Capacity is measured at outdoor temperature 7°C DB and 6°C WB with controlled water inlet 30°C and water outlet 35°C (EN 14511-2)
- Flowrate indicated are based on nominal capacity adjustment of leaving water temperature (LWT) 35°C and ΔT=5°C.
- EER and COP classification is at 230V only in accordance with EU directive 2003/32/EC.
- ** Between outdoor ambient -10°C and -15°C, the water outlet temperature gradually decreases from 60°C to 55°C.
- *** The sound pressure level is measured with distance 1.0m from the unit and height at 1.5m. (Test carry out for cooling at ambient 35°C DB and Water Out 7°C, heating at ambient 7°C DB / 6°C WB and water out 55°C)
- **** The sound power level is measured with accordance to EN12102 under conditions of the EN14825.

EU Declaration of Conformity ¹

Document Number ² : MRD-D23007-02

Manufacturer ³

Name ⁴ : Panasonic Corporation
Address ⁵ : 1006, Oaza Kadoma, Kadoma City, Osaka 571-8501, Japan

Object of Declaration ⁷

Product Name ⁸ : Air-to-Water Heat Pump System (Outdoor Unit)
Trade Name ⁹ : Panasonic
Model Number ¹⁰ : WH-UXZ09KE8; WH-UXZ12KE8; WH-UXZ16KE8; WH-UDZ09KE8; WH-UDZ12KE8
WH-UDZ16KE8

CE Requirements ¹⁵

This declaration of conformity is issued under the sole responsibility of the manufacturer. The object of the declaration described above is in conformity with the requirements of the following EU legislation and harmonized standards ¹⁶ :

Council Directives ¹⁷ : 2014/35/EU LVD
2014/30/EU EMC
2011/65/EU RoHS
2009/125/EC ErP
2014/68/EU PED

Commission Regulation ¹⁸ : (EU) No. 813/2013 Implementing measures for ErP Directive

Council Recommendation ²¹ : 1999/519/EC EMF

Applicable Standards ²⁴ : EN 60335-2-40:2003 +A11:2004 +A12:2005 +A1:2006 +A2:2009 +A13:2012
EN 60335-1:2012 +A11:2014 +A13:2017 +A1:2019 +A14:2019 +A2:2019 +A15:2021
EN 62233:2008; EN IEC 61000-3-2:2019 +A1:2021; EN 61000-3-12:2011
EN 61000-3-3:2013 +A1:2019 +A2:2021; EN IEC 61000-3-11:2019
EN IEC 55014-1:2021; EN IEC 55014-2:2021; EN IEC 63000:2018
EN 14511-2:2018; EN 14511-3:2018; EN 12102-1:2017; EN 14825:2018
EN 16147:2017; EN 12897:2016; EN 378-2:2016

Notified Body ²⁵ : TUV Rheinland Industrie Service GmbH, NB No: 0035, performed PED conformity Assessment Procedure of product compliance with the essential requirements of the PED 2014/68/EU and issued Certificate No. 01/202 J/Q-13 0050, 01 202 CHN/Q-13 0504, 01 202 641/B-18-0011.

| Pressure Equipment | Category | Conformity Assessment | ID of Notified Body |
|-------------------------|----------|--------------------------|---------------------|
| Assembly (Outdoor Unit) | II | Module E1 | 0035 |
| Compressor | II | Module E1 | 0035 |
| Safety Pressure Switch | IV | Module B (Production)+ D | 0035 |

Additional Information ²⁶

For RoHS, 2011/65/EU as amended by (EU)2015/863
Last two digit year when CE marking has been affixed the first time: 23
Remark: For translation refer to the attachment

Shah Alam / 12.12.2023
Place and Date of Issue ²⁷ / Signature ²⁸

Yoichi Tagami / Director
Printed Name ²⁹ / Title ³⁰

Hamburg, 14.12.2023
Place and Date of Issue ²⁷ / Signature ²⁸

Niels Erdmann
Authorized Representative ³¹

- Authorised Representative ³¹ -

Panasonic Marketing Europe GmbH, Panasonic Testing Centre
Winsbergring 15, 22525 Hamburg, Germany

DoC Translation Annex

Legend:

| Language Code | Language name | | Applicable Country |
|--------------------------|---------------|-------------------------------|---------------------------------------|
| | (in English) | (in local language) | |
| EN | English | English | Ireland, Malta, United Kingdom |
| BG | Bulgarian | Български | Bulgaria |
| HR | Croatian | Hrvatski | Croatia |
| CS | Czech | Čeština | Czech Republic |
| DA | Danish | Dansk | Denmark |
| NL | Dutch | Nederlands | Belgium, Netherlands |
| ET | Estonian | Eesti keel | Estonia |
| FI | Finnish | Suomi | Finland |
| FR | French | Français | Belgium, Luxembourg, France |
| DE | German | Deutsch | Austria, Belgium, Luxembourg, Germany |
| EL | Greek | Ελληνικά | Cyprus, Greece |
| HU | Hungarian | Magyar | Hungary |
| GA | Irish | Gaeilge | Ireland |
| IT | Italian | Italiano | Italy |
| LV | Latvian | Latviešu valoda | Latvia |
| LT | Lithuanian | Lietuvių kalba | Lithuania |
| MT | Maltese | Malti | Malta |
| PL | Polish | Polski | Poland |
| PT | Portuguese | Português | Portugal |
| RO | Romanian | Română | Romania |
| SK | Slovak | Slovenčina (slovenský jazyk) | Slovakia |
| SL | Slovenian | Slovenščina (slovenski jezik) | Slovenia |
| ES | Spanish | Español | Spain |
| SV | Swedish | Svenska | Finland, Sweden |
| *Non-EU countries | | | |
| AL | Albanian | Shqip | Albania |
| IS | Icelandic | Íslenska | Iceland |
| MK | Macedonian | Македонски | North Macedonia |
| ME | Montenegrin | Crnogorski/Црногорски | Montenegro |
| NO | Norwegian | Norsk | Norway |
| RS | Serbian | Српски | Serbia |
| TR | Turkish | Türkçe | Cyprus, Türkiye |

Translation:

| | |
|----|--|
| 1) | <p>(EN) EU Declaration of Conformity (BG) Декларация за съответствие на ЕС (HR) EU izjava o sukladnosti (CS) EU Prohlášení o shodě (DA) EU-overensstemmelseserklæring (NL) EU-conformiteitsverklaring (ET) Eli vastavusdeklaratsioon (FI) EU-vaatimustenmukaisuusvakuutus (FR) Déclaration UE de conformité (DE) EU-Konformitätserklärung (EL) Δήλωση συμμόρφωσης ΕΕ (HU) EU-megfelelőségi nyilatkozat (GA) Dearbhú Comhréireachta AE (IT) Dichiarazione di conformità UE (LV) ES atbilstības deklarācija (LT) ES atitikties deklaracija (MT) Dikjarazzjoni ta' Konformità tal-UE (PL) Deklaracja zgodności UE (PT) Declaração de Conformidade da EU (RO) Declarația de conformitate UE (SK) EÚ Vyhlásenie o zhode (SL) Izjava EU o skladnosti (ES) Declaración de conformidad de la UE (SV) EU-försäkran om överensstämmelse</p> <p>*(AL) Deklarata e konformitetit të BE-së (IS) Samræmisýfirlýsing ESB (MK) Декларација за усогласеност на ЕУ (ME) EU Deklaracija o usaglašenosti (NO) EU-samsvarserklæring (RS) EY Декларација о усаглашености (TR) AB Uygunluk Beyanı</p> |
| 2) | <p>(EN) Document Number (BG) Номер на документа (HR) Broj dokumenta (CS) Číslo dokladu (DA) Dokumentnr (NL) Documentnummer (ET) Dokumenti number (FI) Asiakirjan numero (FR) Numéro du document (DE) Dokumentennummer (EL) Αριθμός εγγράφου (HU) Dokumentumszám (GA) Uimhir an Doiciméid (IT) Numero del documento (LV) Dokumenta numurs (LT) Dokumentu numeris (MT) Numru tad-Dokument (PL) Numer dokumentu (PT) Número do documento (RO) Numărul documentului (SK) Číslo dokladu (SL) Številka dokumenta (ES) Número de documento (SV) Dokumentnummer</p> <p>*(AL) Numri i dokumentit (IS) Skjalnúmer (MK) Број на документ (ME) Broj dokumenta (NO) Dokumentnummer (RS) Број документа (TR) Belge Numarası</p> |
| 3) | <p>(EN) Manufacturer (BG) Производител (HR) Proizvođač (CS) Výrobce (DA) Producent (NL) Fabrikant (ET) Tootja (FI) Valmistaja (FR) Fabricant (DE) Hersteller (EL) Κατασκευαστής (HU) Gyártó (GA) Déantóir (IT) Produttore (LV) Ražotājs (LT) Gamintojas (MT) Manifattur (PL) Producent (PT) Fabricante (RO) Producătorul (SK) Výrobca (SL) Proizvajalec (ES) Fabricante (SV) Tillverkare</p> |

Product Ecodesign Information

Model No.: WH-SXC12K9E8 / WH-UXZ12KE8

| | | | |
|--|-----|-------------------------------------|----|
| Air-to-water heat pump [YES/NO]: | YES | Low-temperature heat pump [YES/NO]: | NO |
| Water-to-water heat pump [YES/NO]: | NO | Brine-to-water heat pump [YES/NO]: | NO |
| Equipped with a supplementary heater [YES/NO]: | YES | | |
| Heat pump combination heater [YES/NO]: | NO | | |

Parameters shall be declared for medium-temperature application.

Parameters shall be declared for AVERAGE climate conditions:-

| Item | Symb. | Value | Unit | Item | Symb. | Value | Unit |
|------------------------------|-------------|-------|------|---|----------|-------|------|
| Rated heat output (*) | P_{rated} | 12 | kW | Seasonal space heating energy efficiency | η_s | 135 | % |
| Bivalent temperature | T_{biv} | -10 | °C | Operation limit temperature | TOL | -10 | °C |
| Degradation coefficient (**) | C_{dh} | 0,9 | — | Heating water operating limit temperature | $WTOL$ | 55 | °C |

Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j

Declared coefficient of performance for part load at indoor temperature 20 °C and outdoor temperature T_j

| | | | | | | | |
|---------------------------------------|-----------|------|----|------------------------------------|-------------|------|---|
| $T_j = -7$ °C | P_{dh} | 10,6 | kW | $T_j = -7$ °C | COP_d | 2,23 | — |
| $T_j = +2$ °C | P_{dh} | 6,5 | kW | $T_j = +2$ °C | COP_d | 3,24 | — |
| $T_j = +7$ °C | P_{dh} | 5,2 | kW | $T_j = +7$ °C | COP_d | 4,65 | — |
| $T_j = +12$ °C | P_{dh} | 6,2 | kW | $T_j = +12$ °C | COP_d | 6,07 | — |
| $T_j = T_{biv}$ | P_{dh} | 12,0 | kW | $T_j = T_{biv}$ | COP_d | 1,93 | — |
| $T_j = TOL$ | P_{dh} | 12,0 | kW | $T_j = TOL$ | COP_d | 1,93 | — |
| $T_j = -15$ °C (if $TOL < -20$ °C) | P_{dh} | — | kW | $T_j = -15$ °C (if $TOL < -20$ °C) | COP_d | — | — |
| Cycling interval capacity for heating | P_{cyc} | — | kW | Cycling interval efficiency | COP_{cyc} | — | — |

Power consumption in modes other than active mode:

Other items: (◇) (□)

| | | | | | | | |
|---|-------------------|-------|-------------------|--------------------------------|----------|------|-------------------|
| Off mode | P_{OFF} | 0,001 | kW | Capacity control | Variable | | |
| Thermostat-off mode | P_{TO} | 0,010 | kW | Sound power level, indoor (◇) | L_{WA} | 46 | dB |
| Standby mode | P_{SB} | 0,009 | kW | Sound power level, outdoor (◇) | L_{WA} | 65 | dB |
| Crankcase heater mode | P_{CK} | 0 | kW | Sound power level, indoor (□) | L_{WA} | 46 | dB |
| Supplementary heater | P_{sup} | 9,0 | kW | Sound power level, outdoor (□) | L_{WA} | 69 | dB |
| Rated heat output (*) | ELECTRICAL HEATER | | | Annual energy consumption | Q_{HE} | 7167 | kWh |
| Type of energy input | | | | Rated air flow rate, outdoor | — | 4560 | m ³ /h |
| For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | — | — | m ³ /h | Emissions of nitrogen oxides | NO_x | — | mg/kWh |

For heat pump combination heater:

| | | | | | | | |
|-------------------------------|------------|---|-----|---------------------------------|-------------|---|-----|
| Declared load profile | — | | | Water heating energy efficiency | η_{wh} | — | % |
| Daily electricity consumption | Q_{elec} | — | kWh | Daily fuel consumption | Q_{fuel} | — | kWh |

Contact details for obtaining more information

(Name and address of the manufacturer or of its authorized representative.)
Panasonic Testing Centre, Panasonic Marketing Europe GmbH
Winsbergring 15, 22525 Hamburg, Germany

REMARK:

- You can find information and precautions relevant for installation and maintenance in the Operation Instructions.
 - You can find information relevant for recycling and/or disposal at end-of-life in the Operation Instructions.
- (*) For heat pump space heaters and heat pump combination heaters, the rated heat output P_{rated} is equal to the design load for heating $P_{designh}$, and the rated heat output of a supplementary heater P_{sup} is equal to the supplementary capacity for heating $sup(T_j)$.
- (**) If C_{dh} is not determined by measurement, then the default degradation coefficient is $C_{dh} = 0,9$.
- (◇) Nominal A-Weighted Sound Power Level (LWA), according to regulation 811/2013, 813/2013 and standard EN14825 at A7(6), in dB (A).
- (□) Maximum A-Weighted Sound power level (LWA), according to EN12102-1 at A7(6) W55(47), in dB (A).

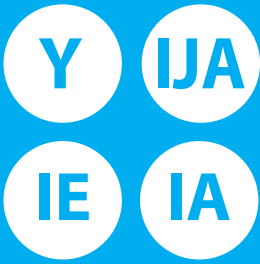


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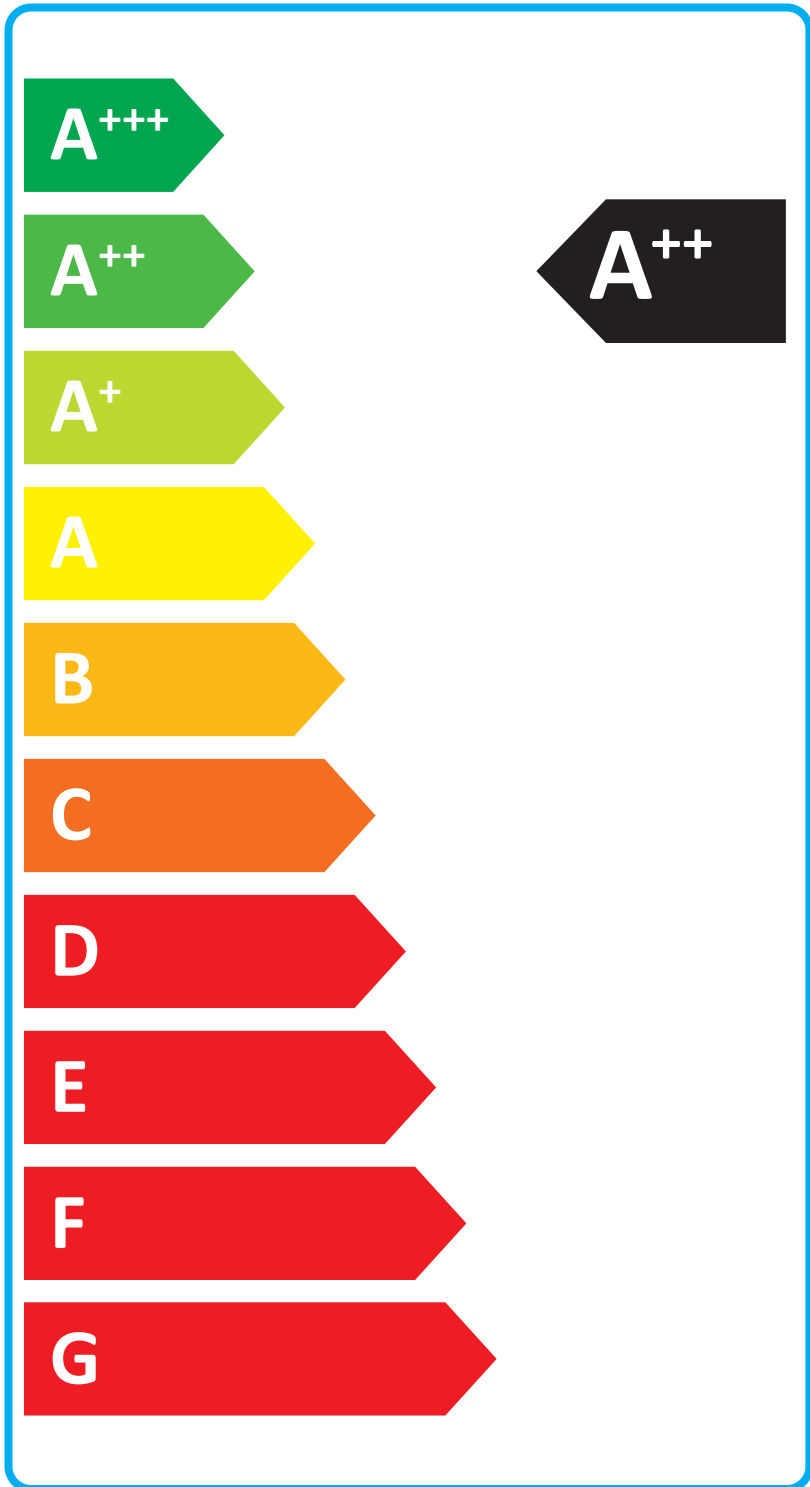
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Panasonic

WH-SXC12K9E8/WH-UXZ12KE8

Feature icons with checkboxes:

- + Solar panel icon
- + Water tank icon
- + Touch control icon
- + Water heater icon

2015

811/2013

