

Information requirements

This information includes the results of calculation of the seasonal energy consumption and efficiency for air conditioner in regards to ErP pursuant to the Commission Regulation(EU) No.206/2013 and No.626/2013. Information to identify the model(s) to which the information relates to:

AIR CONDITIONER
 TYPE : LCAC
 MIDDLE STATIC PRESSURE DUCT TYPE AIR CONDITIONER
 Indoor unit(s) : 42QSS030R8S
 Outdoor unit : 38QUS030R8S
 Brand : CARRIER

| Function (indicate if present) | | | | if function includes heating : Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'. | | | |
|--|----------|-------|------|---|--------|-------|------|
| cooling | | Y | | Average (mandatory) | | Y | |
| heating | | Y | | Warmer (if designated) | | N | |
| | | | | Colder (if designated) | | N | |
| Item | symbol | value | unit | Item | symbol | value | unit |
| Design load | | | | Seasonal efficiency | | | |
| cooling | Pdesignc | 8.8 | kW | cooling | SEER | 6.1 | - |
| heating/Average | Pdesignh | 8.0 | kW | heating/Average | SCOP/A | 4.0 | - |
| heating/Warmer | Pdesignh | x,x | kW | heating/Warmer | SCOP/W | x,x | - |
| heating/Colder | Pdesignh | x,x | kW | heating/Colder | SCOP/C | x,x | - |
| Declared capacity(*) for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj | | | | Declared energy efficiency ratio(*), at indoor temperature 27(19)°C and outdoor temperature Tj | | | |
| Item | symbol | value | unit | Item | symbol | value | unit |
| Tj = 35°C | Pdc | 8.800 | kW | Tj = 35°C | EERd | 2.94 | - |
| Tj = 30°C | Pdc | 6.428 | kW | Tj = 30°C | EERd | 4.27 | - |
| Tj = 25°C | Pdc | 4.236 | kW | Tj = 25°C | EERd | 7.35 | - |
| Tj = 20°C | Pdc | 2.266 | kW | Tj = 20°C | EERd | 11.93 | - |
| Declared capacity(*) for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj | | | | Declared coefficient of performance(*)/Average season, at indoor temperature 20°C and outdoor temperature Tj | | | |
| Item | symbol | value | unit | Item | symbol | value | unit |
| Tj = -7°C | Pdh | 7.077 | kW | Tj = -7°C | COPd | 2.83 | - |
| Tj = 2°C | Pdh | 4.490 | kW | Tj = 2°C | COPd | 3.77 | - |
| Tj = 7°C | Pdh | 2.850 | kW | Tj = 7°C | COPd | 5.36 | - |
| Tj = 12°C | Pdh | 2.723 | kW | Tj = 12°C | COPd | 6.46 | - |
| Tj = bivalent temperature | Pdh | 7.077 | kW | Tj = bivalent temperature | COPd | 2.83 | - |
| Tj = operating limit | Pdh | 6.101 | kW | Tj = operating limit | COPd | 2.42 | - |
| Declared capacity(*) for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj | | | | Declared coefficient of performance(*)/Warmer season, at indoor temperature 20°C and outdoor temperature Tj | | | |

| Item | symbol | value | unit | Item | symbol | value | unit |
|---|--|-------|------|---|-----------------|-----------|----------------------|
| Tj = 2°C | Pdh | x,x | kW | Tj = 2°C | COPd | x,x | - |
| Tj = 7°C | Pdh | x,x | kW | Tj = 7°C | COPd | x,x | - |
| Tj = 12°C | Pdh | x,x | kW | Tj = 12°C | COPd | x,x | - |
| Tj = bivalent temperature | Pdh | x,x | kW | Tj = bivalent temperature | COPd | x,x | - |
| Tj = operating limit | Pdh | x,x | kW | Tj = operating limit | COPd | x,x | - |
| Declared capacity(*) for heating/Colder season, at indoor temperature 20°C and outdoor temperature Tj | | | | Declared coefficient of performance(*)/Colder season, at indoor temperature 20°C and outdoor temperature Tj | | | |
| Item | symbol | value | unit | Item | symbol | value | unit |
| Tj = -7°C | Pdh | x,x | kW | Tj = -7°C | COPd | x,x | - |
| Tj = 2°C | Pdh | x,x | kW | Tj = 2°C | COPd | x,x | - |
| Tj = 7°C | Pdh | x,x | kW | Tj = 7°C | COPd | x,x | - |
| Tj = 12°C | Pdh | x,x | kW | Tj = 12°C | COPd | x,x | - |
| Tj = bivalent temperature | Pdh | x,x | kW | Tj = bivalent temperature | COPd | x,x | - |
| Tj = operating limit | Pdh | x,x | kW | Tj = operating limit | COPd | x,x | - |
| Tj = -15°C | Pdh | x,x | kW | Tj = -15°C | COPd | x,x | - |
| Bivalent temperature | | | | Operating limit temperature | | | |
| heating/Average | Tbiv | -7 | °C | heating/Average | Tol | -15 | °C |
| heating/Warmer | Tbiv | x | °C | heating/Warmer | Tol | x | °C |
| heating/Colder | Tbiv | x | °C | heating/Colder | Tol | x | °C |
| Cycling interval capacity | | | | Cycling interval efficiency | | | |
| for cooling | Pcycc | x,x | kW | heating/Average | EERcyc | x,x | - |
| for heating | Pcyh | x,x | kW | heating/Warmer | COPcyc | x,x | - |
| Degradation co-efficient cooling | Cdc | 0.25 | - | Degradation co-efficient heating | Cdc | 0.25 | - |
| Electric power input in power modes other than 'active mode' | | | | Annual electricity consumption | | | |
| off mode | Poff | 0.008 | kW | cooling | Q _{CE} | 505 | kWh/a |
| standby mode | Psb | 0.008 | kW | heating/Average | Qhe | 2800 | kWh/a |
| thermostat-off mode | Pto | 0.002 | kW | heating/Warmer | Qhe | x | kWh/a |
| crankcase heater mode | Pck | 0 | kW | heating/Colder | Qhe | x | kWh/a |
| Capacity control(indicate one of the options) | | | | Other items | | | |
| Item | symbol | value | unit | Item | symbol | value | unit |
| fixed | | Y/N | | Sound power level (indoor/outdoor) | LWA | 65/67 | dB(A) |
| staged | | Y/N | | Global warming potential | GWP | 675 | kgCO ₂ eq |
| variable | | Y | | Rated air flow (indoor/outdoor) | - | 1400/3800 | m ³ /h |
| Contact details for obtaining more information | Company: Century Carrier Residential Air Conditioning Equipment Co. Ltd Address: RM5, 5/F, Tower 3, Enterprise Square, 9 Sheung Yuet Road, Kowloon, Hong Kong Telephone: +86-757-26338546 Fax: +86-757-26337977 | | | | | | |