

1. Product Specifications

1-1 Table

| Item | | | Model | SH07ZS2 | | SH09ZS2 | | SH12ZS4 | | |
|-----------------------------|-------------------------------|---------------------------|-----------------------------|-------------------------|------------------------------|-------------------------|----------------|--------------------------|----------------|----|
| | | | | Indoor unit | Outdoor unit | Indoor unit | Outdoor unit | Indoor unit | Outdoor unit | |
| Type | | | | Wall-mounted | | Wall-mounted | | Wall-mounted | | |
| Performance | Capacity () : RUSSIA, CIS | Cooling | - | 2.20kW (7,500 BTU/h) | | 2.60kW (8,990 BTU/h) | | 3.50kW (11,990 BTU/h) | | |
| | | Heating | | 2.30kW (7,800 BTU/h) | | 2.90kW (8,990 BTU/h) | | 3.80kW (11,990 BTU/h) | | |
| | Dehumidifying | | | ℓ/h | 1.4 | | 1.4 | | 1.9 | |
| | Air Volume | | | m ³ /min | 6.2 | 22 | 6.8 | 22 | 8.2 | 24 |
| | Noise | | dB | 36 | 50 | 39 | 51 | 43 | 53 | |
| | Energy Efficiency Ratio | Cooling | W/W | 3.24 | | 2.89 | | 3.04 | | |
| | | Heating | | 3.65 | | 3.41 | | 3.42 | | |
| | Power | | V-Hz | 1-220 / 240-50 | | 1-220 / 240-50 | | 1-220 / 240-50 | | |
| Power | Power Consumption | Cooling | W | 680 | | 900 | | 1,150 | | |
| | | Heating | | 630 | | 850 | | 1,100 | | |
| | Operating Current | Cooling | A | 3.0 | | 4.0 | | 5.1 | | |
| | | Heating | | 2.8 | | 3.8 | | 5.0 | | |
| | Power Factor | Cooling | % | 98.6 | | 97.8 | | 98.0 | | |
| | | Heating | | 97.8 | | 97.3 | | 95.7 | | |
| | Starting Current | | A | 21.0 | | 21.0 | | 32.0 | | |
| | Power Cord | Length | | m | - | | - | | - | |
| Number of Core Wire | | | - | | - | | - | | | |
| Capacity | | A | 250V-10 / 16A | | 250V-10 / 16A | | 250V-10 / 16A | | | |
| Size | Outer Dimension | Width x Height x Depth | mm | 795x258x179 | 660x495x235 | 795x258x179 | 660x495x235 | 890x285x179 | 720x530x260 | |
| | | | inch | 31.3x10.2x7.0 | 26.0x19.5x9.3 | 31.3x10.2x7.0 | 26.0x19.5x9.3 | 35.0x11.2x7.0 | 28.3x20.9x10.2 | |
| | Weight | | kg | 7.5 | 26.0 | 7.5 | 26.5 | 8.5 | 33.0 | |
| | Refrigerant Pipe | Liquid | mm x L(m) | ø6.35 x 5 | | ø6.35 x 5 | | ø6.35 x 5 | | |
| | | GAS | mm x L(m) | ø9.52 x 5 | | ø9.52 x 5 | | ø12.7 x 5 | | |
| | Drain Hose | | D x L(mm) | ø18 x 2,000 | | ø18 x 2,000 | | ø18 x 2,000 | | |
| | Compressor | Type | | Rotary | | Rotary | | Rotary | | |
| | | Motor | Type | - | - | - | - | - | - | |
| | | | Rated Output | - | - | - | - | - | - | |
| | Blower | Type | | Cross-flow | Propeller | Cross-flow | Propeller | Cross-flow | Propeller | |
| Motor | | Type | steel | steel | steel | steel | steel | steel | | |
| | | Rated Output | W | 11 | 25 | 11 | 25 | 15 | 25 | |
| Heat Exchanger | | | 2ROW 10STEP | 1ROW 18STEP | 2ROW 10STEP | 1ROW 18STEP | 2ROW 12STEP | 1ROW 20STEP | | |
| Refrigerant Control Unit | | | CAPILLARY TUBE | | CAPILLARY TUBE | | CAPILLARY TUBE | | | |
| Freezer Oil Capacity | | cc | 290 | | 350 | | 410 | | | |
| Refrigerant to Change(R22) | | g | 680 | | 680 | | 800 | | | |
| Protection Device(OLP) | | | MRA99137-9201 | | MRA98776 | | Internal | | | |
| Cooling Test Condition | | | INDOOR UNIT : DB27°C WB19°C | | OUTDOOR UNIT : DB35°C WB24°C | | | | | |
| Maximum Operation Condition | | | INDOOR UNIT : DB32°C WB23°C | | OUTDOOR UNIT : DB43°C WB26°C | | | | | |

Table(cont.)

| Item | | | | Model | | SH07ZS2A | | SH09ZS2A | | SH12ZS4A | |
|-----------------------------|-------------------------------|---------------------------|--------------|-----------------------------|---------------|------------------------------|---------------|-------------------------|----------------|----------|--|
| | | | | Indoor unit | Outdoor unit | Indoor unit | Outdoor unit | Indoor unit | Outdoor unit | | |
| Type | | | | Wall-mounted | | Wall-mounted | | Wall-mounted | | | |
| Performance | Capacity () : RUSSIA, CIS | Cooling | - | 2.30kW (7,800BTU/h) | | 2.65kW (8,990BTU/h) | | 3.50kW (11,990BTU/h) | | | |
| | | Heating | | 2.40kW (8,200BTU/h) | | 2.90kW (8,990BTU/h) | | 3.80kW (11,990BTU/h) | | | |
| | Dehumidifying | | ℓ/h | 0.9 | | 1.4 | | 1.9 | | | |
| | Air Volume | | m³/min | 6.5 | 24 | 7.0 | 24 | 8.2 | 24 | | |
| | Noise | | dB | 36 | 50 | 39 | 51 | 43 | 53 | | |
| | Energy Efficiency Ratio | Cooling | W/W | 3.15 | | 2.82 | | 3.04 | | | |
| | | Heating | | 3.53 | | 3.30 | | 3.45 | | | |
| Power | | V-Hz | 1-220/240-50 | | 1-220/240-50 | | 1-220/240-50 | | | | |
| Power | Power Consumption | Cooling | W | 730 | | 940 | | 1,150 | | | |
| | | Heating | | 680 | | 880 | | 1,100 | | | |
| | Operating Current | Cooling | A | 3.3 | | 4.3 | | 5.1 | | | |
| | | Heating | | 3.1 | | 4.0 | | 5.0 | | | |
| | Power Factor | Cooling | % | 96.2 | | 95.0 | | 98.0 | | | |
| | | Heating | | 95.4 | | 95.7 | | 95.7 | | | |
| | Starting Current | | A | 21.0 | | 21.0 | | 32.0 | | | |
| Power Cord | Length | | m | - | | - | | - | | | |
| | Number of Core Wire | | | - | | - | | - | | | |
| | Capacity | | A | 250V-10/16A | | 250V-10/16A | | 250V-10/16A | | | |
| Size | Outer Dimension | Width x Height x Depth | mm | 795x258x179 | 660x495x235 | 795x258x179 | 660x495x235 | 890x285x179 | 720x530x260 | | |
| | | | inch | 31.3x10.2x7.0 | 26.0x19.5x9.3 | 31.3x10.2x7.0 | 26.0x19.5x9.3 | 35.0x11.2x7.0 | 28.3x20.9x10.2 | | |
| | Weight | | kg | 7.5 | 26.1 | 7.5 | 26.6 | 8.5 | 33.0 | | |
| | Refrigerant Pipe | Liquid | mm x L(m) | ø6.35 x 5 | | ø6.35 x 5 | | ø6.35 x 5 | | | |
| | | GAS | mm x L(m) | ø9.52 x 5 | | ø9.52 x 5 | | ø12.7 x 5 | | | |
| | Drain Hose | | D x L(mm) | ø18 x 2,000 | | ø18 x 2,000 | | ø18 x 2,000 | | | |
| | Compressor | Type | | Rotary | | Rotary | | Rotary | | | |
| | | Motor | Type | - | - | - | - | - | - | | |
| | | | Rated Output | - | - | - | - | - | - | | |
| | Blower | Type | | Cross-Flow | Propeller | Cross-Flow | Propeller | Cross-Flow | Propeller | | |
| Motor | | Type | steel | steel | steel | steel | steel | steel | | | |
| | | Rated Output | W | 11 | 25 | 11 | 25 | 15 | 25 | | |
| Heat Exchanger | | | | 2ROW 10STEP | 1ROW 18STEP | 2ROW 10STEP | 1ROW 18STEP | 2ROW 12STEP | 1ROW 20STEP | | |
| Refrigerant Control Unit | | | | CAPILLARY TUBE | | CAPILLARY TUBE | | CAPILLARY TUBE | | | |
| Freezer Oil Capacity | | | cc | 360 | | 360 | | 600 | | | |
| Refrigerant to Change(R22) | | | g | 630 | | 600 | | 800 | | | |
| Protection Device(OLP) | | | | RBC12144-12500 | | RBC12054-12500 | | RBC12107-12500 | | | |
| Cooling Test Condition | | | | INDOOR UNIT : DB27°C WB19°C | | OUTDOOR UNIT : DB35°C WB24°C | | | | | |
| Maximum Operation Condition | | | | INDOOR UNIT : DB32°C WB23°C | | OUTDOOR UNIT : DB43°C WB26°C | | | | | |

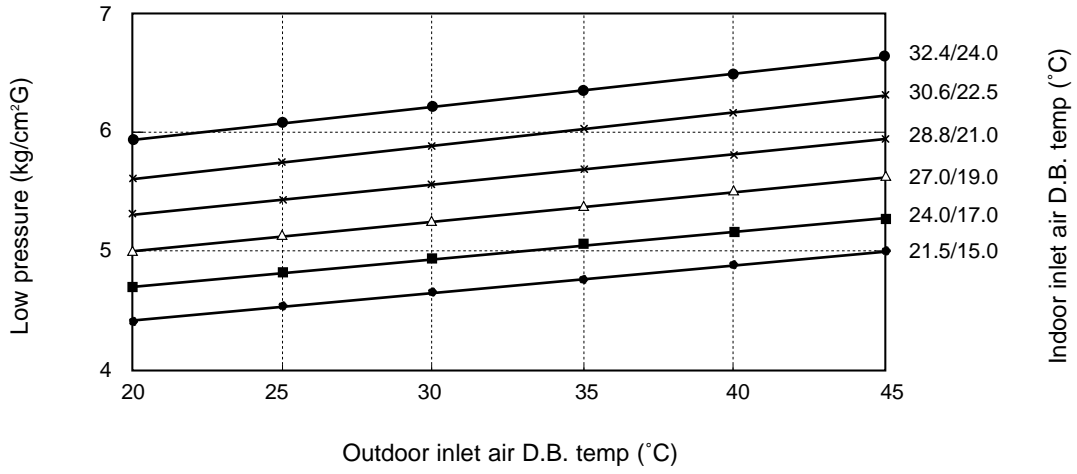
| Item | | Model | AQ07S2GE | | AQ09S2GE | | AQ12S4GE | | |
|-----------------------------|-------------------------|---------------------|-----------------------------|----------------|------------------------------|----------------|----------------|----------------|-----------|
| | | | Indoor unit | Outdoor unit | Indoor unit | Outdoor unit | Indoor unit | Outdoor unit | |
| Type | | | Wall-mounted | | Wall-mounted | | Wall-mounted | | |
| Performance | Cooling | - | 7,500 BTU/h | | 9,000 BTU/h | | 12,000 BTU/h | | |
| | Heating | | 7,800 BTU/h | | 10,000 BTU/h | | 13,000 BTU/h | | |
| | Dehumidifying | ℓ/h | 1.4 | | 1.4 | | 1.9 | | |
| | Air Volume | m ³ /min | 6.5 | 24 | 7.0 | 24 | 8.2 | 24 | |
| | Noise | dB | 36 | 50 | 39 | 51 | 43 | 53 | |
| | Energy Efficiency Ratio | Cooling | W/W | 3.15 | | 2.82 | | 3.04 | |
| | | Heating | | 3.53 | | 3.30 | | 3.45 | |
| | Power | | V-Hz | 1-220 / 240-50 | | 1-220 / 240-50 | | 1-220 / 240-50 | |
| Power Consumption | Cooling | W | 730 | | 940 | | 1,150 | | |
| | Heating | | 680 | | 880 | | 1,100 | | |
| Power | Operating Current | Cooling | 3.3 | | 4.3 | | 5.1 | | |
| | | Heating | 3.1 | | 4.0 | | 5.0 | | |
| | Power Factor | Cooling | 96.2 | | 95.0 | | 98.0 | | |
| | | Heating | 95.4 | | 95.7 | | 95.7 | | |
| | Starting Current | A | 21.0 | | 21.0 | | 32.0 | | |
| | Power Cord | Length | m | - | | - | | - | |
| | | Number of Core Wire | | - | | - | | - | |
| | Outer Dimension | Capacity | A | 250V-10 / 16A | | 250V-10 / 16A | | 250V-10 / 16A | |
| Width x Height x Depth | | mm | 795x258x179 | 660x495x235 | 795x258x179 | 660x495x235 | 890x285x179 | 720x530x260 | |
| | inch | | 31.3x10.2x7.0 | 26.0x19.5x9.3 | 31.3x10.2x7.0 | 26.0x19.5x9.3 | 35.0x11.2x7.0 | 28.3x20.9x10.2 | |
| Size | Weight | kg | 7.5 | 26.1 | 7.5 | 26.6 | 8.5 | 33.0 | |
| | Refrigerant Pipe | Liquid | mm x L(m) | ø6.35 x 5 | | ø6.35 x 5 | | ø6.35 x 5 | |
| | | GAS | mm x L(m) | ø9.52 x 5 | | ø9.52 x 5 | | ø12.7 x 5 | |
| | Drain Hose | D x L(mm) | ø18 x 2,000 | | ø18 x 2,000 | | ø18 x 2,000 | | |
| | Compressor | Type | | Rotary | | Rotary | | Rotary | |
| | | Motor | Type | - | - | - | - | - | - |
| | | | Rated Output | | - | - | - | - | - |
| | Blower | Type | | Cross-flow | Propeller | Cross-flow | Propeller | Cross-flow | Propeller |
| Motor | | Type | steel | steel | steel | steel | steel | steel | |
| | | Rated Output | W | 11 | 25 | 11 | 25 | 15 | 25 |
| Heat Exchanger | | | 2ROW 10STEP | 1ROW 18STEP | 2ROW 10STEP | 1ROW 18STEP | 2ROW 12STEP | 1ROW 20STEP | |
| Refrigerant Control Unit | | | CAPILLARY TUBE | | CAPILLARY TUBE | | CAPILLARY TUBE | | |
| Freezer Oil Capacity | cc | | 360 | | 360 | | 600 | | |
| Refrigerant to Change(R22) | g | | 630 | | 600 | | 800 | | |
| Protection Device(OLP) | | | RBC12144-12500 | | RBC12054-12500 | | RBC12107-12500 | | |
| Cooling Test Condition | | | INDOOR UNIT : DB27°C WB19°C | | OUTDOOR UNIT : DB35°C WB24°C | | | | |
| Maximum Operation Condition | | | INDOOR UNIT : DB32°C WB23°C | | OUTDOOR UNIT : DB43°C WB26°C | | | | |

Table(cont.)

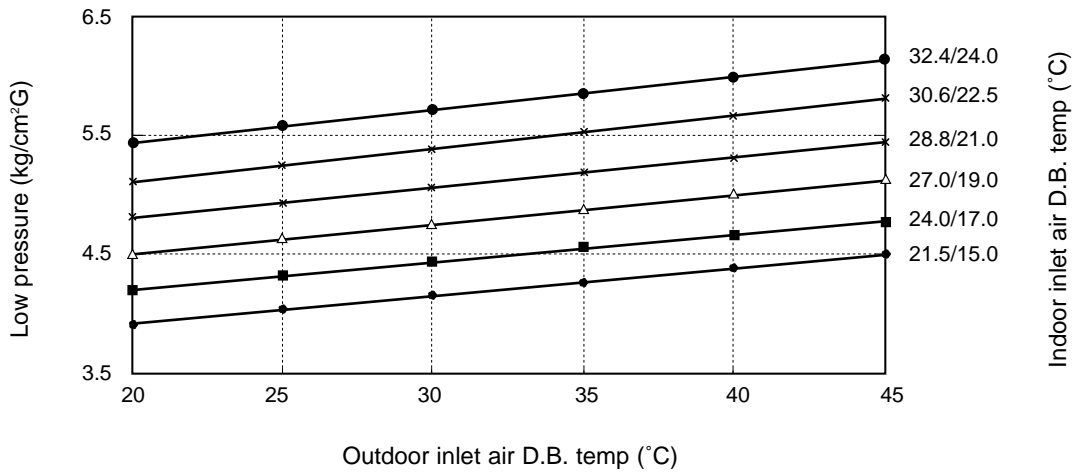
| Item | | | | Model | | AQT12S4GB | | AQT12S4GE | |
|-----------------------------|-------------------------|------------------------|---------------------|-----------------------------|----------------|------------------------------|----------------|--------------|--------------|
| | | | | | | Indoor unit | Outdoor unit | Indoor unit | Outdoor unit |
| Type | | | | Wall-mounted | | | | Wall-mounted | |
| Performance | Capacity | Cooling | BTU/h | 12,000 | | 12,000 | | | |
| | | Heating | | 13,000 | | 13,000 | | | |
| | | SASO | | 10,500 | | - | | | |
| | Dehumidifying | | ℓ/h | 1.9 | | 1.9 | | | |
| | Air Volume | | m ³ /min | 8.2 | 2.4 | 8.2 | 2.4 | | |
| | Noise | | dB | 43 | 53 | 43 | 53 | | |
| | Energy Efficiency Ratio | Cooling | BTU/wh | 10.0 | | 10.0 | | | |
| | | Heating | | 10.5 | | 11.0 | | | |
| | | SASO | | 7.44 | | - | | | |
| | Power | | V-Hz | 1-220-60 | | 1-220/240-50 | | | |
| Power | Power Consumption | Cooling | W | 1,200 | | 1,200 | | | |
| | | Heating | | 1,240 | | 1,180 | | | |
| | | SASO | | 1,410 | | - | | | |
| | Operating Current | Cooling | A | 5.5 | | 5.3 | | | |
| | | Heating | | 5.7 | | 5.2 | | | |
| | | SASO | | 6.5 | | - | | | |
| | Power Factor | Cooling | % | 99.2 | | 98.4 | | | |
| | | Heating | | 98.9 | | 98.7 | | | |
| | | SASO | | 98.6 | | - | | | |
| | Starting Current | | A | 32.0 | | 32.0 | | | |
| | Power Cord | Length | m | - | | - | | | |
| | | Number of Core Wire | | - | | - | | | |
| | | Capacity | A | 250V-10/16A | | 250V-10/16A | | | |
| Size | Outer Dimension | Width x Height x Depth | mm | 890x285x179 | 720x530x260 | 890x285x179 | 720x530x260 | | |
| | | | inch | 35.0x11.2x7.0 | 28.3x20.9x10.2 | 35.0x11.2x7.0 | 28.3x20.9x10.2 | | |
| | Weight | | kg | 8.5 | 33.0 | 8.5 | 33.0 | | |
| | Refrigerant Pipe | Liquid | mm x L(m) | ø6.35 x 5 | | ø6.35 x 5 | | | |
| | | GAS | mm x L(m) | ø12.7 x 5 | | ø12.7 x 5 | | | |
| | Drain Hose | | D x L(mm) | ø18 x 2,000 | | ø18 x 2,000 | | | |
| | Compressor | Type | | Rotary | | Rotary | | | |
| | | Motor | Type | - | - | - | - | | |
| | | | Rated Output | - | - | - | - | | |
| | Blower | Type | | Cross-Flow | Propeller | Cross-Flow | Propeller | | |
| Motor | | Type | steel | steel | steel | steel | | | |
| | | Rated Output | W | 15 | 25 | 15 | 25 | | |
| Heat Exchanger | | | | 2ROW 12STEP | 2ROW 24STEP | 2ROW 12STEP | 2ROW 24STEP | | |
| Refrigerant Control Unit | | | | CAPILLARY TUBE | | CAPILLARY TUBE | | | |
| Freezer Oil Capacity | | | cc | 600 | 410 | | | | |
| Refrigerant to Change(R22) | | | g | 960 | 940 | | | | |
| Protection Device(OLP) | | | | RBC12107-12500 | | RBC12050-12500 | | | |
| Cooling Test Condition | | | | INDOOR UNIT : DB27°C WB19°C | | OUTDOOR UNIT : DB35°C WB24°C | | | |
| Maximum Operation Condition | | | | INDOOR UNIT : DB32°C WB23°C | | OUTDOOR UNIT : DB43°C WB26°C | | | |

1-2 Pressure Graph

7K BTU



9K BTU



12K BTU

