

## 10. ARUM260LTE6

## 10.1 Specifications

| Category                      |   | Unit                      | Specification  |
|-------------------------------|---|---------------------------|--|
| Major                         | Minor                                       |                           |  |
| Classification                | Chassis                                     | -                         | UXC  |
|                               | Combination Unit (1)                        | -                         | ARUM260LTE6  |
|                               | Combination Unit (2)                        | -                         | -  |
|                               | Combination Unit (3)                        | -                         | -  |
|                               | Combination Unit (4)                        | -                         | -  |
| Power Supply                  | Case 1                                      | V, Phase, Hz              | 380-400-415, 3, 50                                   |
|                               | Limit Range of Voltage(Case 1)              | V                         | 342 ~ 456  |
|                               | Case 2                                      | V, Phase, Hz              | 380, 3, 60   |
|                               | Limit Range of Voltage(Case 2)              | V                         | 342 ~ 418  |
|                               | Running Current by Voltage (Cooling, Rated) | A                         | 51.49 - 48.91 - 47.14                                |
|                               | Running Current by Voltage (Heating, Rated) | A                         | 35.29 - 33.53 - 32.32                                |
| Cooling Capacity              | Rated                                       | kW                        | 72.8   |
|                               |   | Btu/h                     | 248,400  |
| Heating Capacity              | Rated                                       | kW                        | 72.8   |
|                               |   | Btu/h                     | 248,400  |
|                               | Max   | kW                        | 81.9   |
|                               |   | Btu/h                     | 279,500  |
| Power Input(Cooling)          | Rated                                       | kW                        | 31.52  |
| Power Input(Heating)          | Rated                                       | kW                        | 21.60  |
| Efficiency                    | EER(Rated)                                  | W/W                       | 2.31   |
|                               | COP(Rated)                                  | W/W                       | 3.37   |
|                               | SEER  | Wh/Wh                     | 6.62   |
|                               | SCOP  | Wh/Wh                     | 4.11   |
| Power Factor(Cooling/Heating) | Rated                                       | -                         | 0.93 / 0.93  |
| Outdoor Fan                   | Type  | -                         | Propeller fan  |
|                               | Air Flow Rate(High)                         | m <sup>3</sup> /min x No. | 430 x 1  |
|                               | Max. External Static Pressure               | Pa                        | 80   |
|                               | Discharge direction(Side / Top)             | -                         | Top  |
| Outdoor Fan Motor             | Type  | -                         | BLDC   |
|                               | Drive                                       | -                         | Direct   |
|                               | Output                                      | W x No.                   | 1,500 x 2  |
| Compressor                    | Type  | -                         | Hermetically Sealed Scroll                           |
|                               | Piston Displacement                         | cm <sup>3</sup> /rev      | 62.1 x 2   |
|                               | Number of Revolution                        | rev./min                  | 3,600 x 2  |
|                               | Motor Output                                | W x No.                   | 5,300 x 2  |
|                               | Starting Method                             | -                         | Inverter   |
|                               | Oil Type                                    | -                         | FW68L(PVE)   |
| Heat Exchanger                | Type  | -                         | Fin & Tube   |
|                               | No.   | -                         | 2  |
|                               | Fin Type                                    | -                         | Wide Louver Plus                                     |
| Dimensions                    | Net(W x H x D)                              | mm                        | 1,640 x 1,745 x 760                                  |
|                               | Shipping(W x H x D)                         | mm                        | 1,675 x 1,919 x 802                                  |
| Weight                        | Net   | kg                        | 362  |
|                               | Shipping                                    | kg                        | 372  |
| Exterior                      | Color                                       | -                         | Morning Gray / Dawn Gray                             |
|                               | RAL (Classic)                               | -                         | RAL 7038 / RAL 7037                                  |
| Protection Device             | High Pressure Prevention                    | -                         | High pressure sensor / High pressure switch          |
|                               | Frost Prevention                            | -                         | O (Logical)  |
|                               | Discharge Temperature Control               | -                         | O (Logical)  |
|                               | Compressor/Fan Protection                   | -                         | Over-heat protection / Fan driver overload protector |

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|---------------------------------------|---|-------------------------|--|
| Major                                 | Minor                                     |                         |  |
| Protection Device                     | Inverter Protection                       | -                       | Over-heat protection / Over-current protection |
| Refrigerant                           | Type                                      | -                       | R410A  |
|                                       | Precharged Amount                         | kg                      | 16.0   |
|                                       | GWP(Global Warming Potential)             | -                       | 2,087.5  |
|                                       | t-CO <sub>2</sub> eq.                     | -                       | 33.400   |
|                                       | Control Type                              | -                       | EEV  |
| Connecting Pipe                       | Liquid                                    | mm(inch)                | Φ19.05 (3/4)                                   |
|                                       | Gas                                       | mm(inch)                | Φ34.9 (1-3/8)                                  |
|                                       | Low Pressure Gas (Heat Recovery)          | mm(inch)                | Φ34.9 (1-3/8)                                  |
|                                       | High Pressure Gas (Heat Recovery)         | mm(inch)                | Φ28.58 (1-1/8)                                 |
| Piping Connection Type                | Liquid                                    | -                       | Brazing  |
|                                       | Gas                                       | -                       | Brazing  |
|                                       | Low Pressure Gas (Heat Recovery)          | -                       | Brazing  |
|                                       | High Pressure Gas (Heat Recovery)         | -                       | Brazing  |
| Sound Pressure Level (Outdoor Unit)   | Cooling / Heating                         | dB(A)                   | 65.0 / 66.5                                    |
| Measurement Standard (Pressure Level) | -   | -                       | ISO 3745                                       |
| Sound Power Level (Outdoor Unit)      | Cooling / Heating                         | dB(A)                   | 89.0 / 89.0                                    |
| Measurement Standard (Power Level)    | -   | -                       | ISO 9614                                       |
| Connecting Cable                      | Communication Cable(VCTF-SB)              | mm <sup>2</sup> × cores | 0.75 ~ 1.5 × 2C                                |
| Electrical Characteristic             | Minimum Circuit Amperes (MCA)             | A                       | 54.5   |
|                                       | Maximum Fuse Amperes (MFA)                | A                       | 63   |
|                                       | Total Over Current Amperes (TOCA)         | A                       | 60.0   |
|                                       | Comp_Maximum Starting Current (MSC)       | A                       | 11.8   |
|                                       | Comp_Rated Load Amperes (Cooling)         | A                       | 46.5   |
|                                       | Comp_Rated Load Amperes (Heating)         | A                       | 30.3   |
|                                       | Outdoor Fan Motor_Full Load Amperes (FLA) | A                       | 5.0  |
| Connectable indoor units number       | Max. (Conditional)                        | Units                   | 42(64)   |

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound level values are depend on the ambient conditions and values are normally higher in actual operation.  
Sound values of combination model are calculated values based on sound results of independent models.  
Sound values can be increased owing to ambient or installation conditions during operation.  
Sound values of system [dB(A)] = 10\*log [10<sup>A1</sup>(A1/10)+ ... +10<sup>An</sup>(An/10)] , A1~An means sound values of independent models.
- EUROVENT Test Condition :  
-Performance values on the this PDB are based on Ceiling Mounted Cassette combination.  
-Refer to EUROVENT web site ([www.eurovent-certification.com](http://www.eurovent-certification.com)) for other indoor unit combination and more detail test conditions.
- Use appropriate power source refer to national standard.
- Voltage supplied to the unit terminals should be within the minimum and maximum range.
- Maximum allowable voltage unbalance between phase is 2%.
- MSC means the Max. current during the starting of compressor.  
MSC and RLA are measured as the compressor only test condition.  
OFM are measured as the outdoor unit test condition.  
TOCA means the total over current value of each outdoor unit.  
Select the wire size based on the larger value among MCA or TOCA.  
MFA is used to select the circuit breaker and ground fault circuit interrupter, and all installation site must require attachment of an earth leakage breaker.  
[circuit breaker type is ELCB(Earth Leakage Circuit Breaker)].
- Performances are based on the following conditions :  
- Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB  
- Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB  
- Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.

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10.4 Dimensions

