

| Indoor Code                           |                       |             | U-Match Series         | U-Match Series            |
|---------------------------------------|-----------------------|-------------|------------------------|---------------------------|
|                                       |                       |             | 22022711000658         | 22022711002236            |
| Outdoor Code                          |                       |             | 22022516000702         | 22023016002111            |
| Indoor Model                          |                       |             | <b>BM48MFCC</b>        | <b>BM60MFCC</b>           |
| Outdoor Model                         |                       |             | <b>BM48UYC</b>         | <b>BM60UYC</b>            |
| Power supply                          |                       | V,Hz,Ph     | 208/230V,1Ph,60Hz      | 208/230V,1Ph,60Hz         |
| Cooling                               | Capacity              | Btu/h       | 48000                  | 54000                     |
|                                       | Input                 | W           | 5161                   | 5500                      |
|                                       | Rated current         | W           | 23.6                   | 24.21                     |
|                                       | EER                   | Btu/W       | 9.3                    | 9.8                       |
|                                       | SEER                  |             | 17.8                   | 18.0                      |
| Heating at 47F                        | Capacity              | Btu/h       | 50000                  | 60000                     |
|                                       | Input                 | W           | 4579                   | 5560                      |
|                                       | Rated current         | W           | 20.96                  | 24.38                     |
|                                       | COP                   | W/W         | 3.2                    | 3.16                      |
|                                       | HSPF4                 |             | 11.0                   | 10.5                      |
|                                       | HSPF5                 |             | 9.4                    | 9.1                       |
| Minimum circuit ampacity              |                       | A           | 35                     | 36                        |
| Max.fuse                              |                       | A           | 50                     | 50                        |
| Indoor fan motor                      | Model                 |             | ZKFN-90-8-1            | ZKFN-160-8-1-2            |
|                                       | Qty                   |             | 2                      | 2                         |
|                                       | Input                 | W           | 96                     | 90.0                      |
|                                       | RLA                   | A           | 1.8                    | 0.75                      |
|                                       | Speed                 | r/min       | 1320/1200/1120         | 1350/1050/850             |
| Indoor air flow (Hi/Med/Lo) (No duct) |                       | m3/h        | 2300/1900/1700         | 2353/1749/1352            |
| Indoor air flow (Hi/Med/Lo) (No duct) |                       | CFM         | 1350/1120/1000         | 1385/102/207              |
| Indoor noise level (Hi/Med/Lo)        |                       | dB(A)       | 57/54/52               | 55/39/50                  |
| Indoor unit                           | Dimension (WxDxH)     | mm          | 1650x675x235           | 1650/675/235              |
|                                       |                       | inch        | 64.96x26.57x9.25       | 64.96/26.57/9.25          |
|                                       | Packing(WxDxH)        | mm          | 1725x755x313           | 1725/755/313              |
|                                       |                       | inch        | 67.91x29.72x12.32      | 67.91/29.72/12.32         |
|                                       | Net/Gross weight      | kg          | 38/44                  | 46/50                     |
|                                       |                       | lbs.        | 83.78/97               | 101.2/110                 |
| Design pressure                       |                       | PSIG        | 550/340 PSIG           | 550/340 PSIG              |
| Drainage water pipe diameter          |                       | mm          | ODΦ25                  | ODΦ25                     |
| Refrigerant piping                    | Liquid side/ Gas side | mm          | Φ9.52/Φ15.9(3/8"/5/8") | 9.52mm(3/8in)/19mm(3/4in) |
| Controller                            |                       |             | Remote control         | Remote Control            |
| Room temperature                      | Cooling               | °C          | 17~32                  | 17~32                     |
|                                       |                       | °F          | 62~90                  | 62~90                     |
|                                       | Heating               | °C          | 0~30                   | 0~30                      |
|                                       |                       | °F          | 32~86                  | 32~86                     |
| Operation temperature                 |                       | °C          | 17~30                  | 17~30                     |
|                                       |                       | °F          | 62~86                  | 62~86                     |
| Application area (cooling standard)   |                       | m2          | 64-94                  | 72-106                    |
| Application area (cooling standard)   |                       | sq.ft       | 689-1012               | 775-1141                  |
| Qty'per 20' /40' /40'HQ               |                       | Indoor unit | 72/147/167             | 72/147/167                |

| Code                          |                            |                     | 22022516000702                                       | 22023016002111             |
|-------------------------------|----------------------------|---------------------|--|----------------------------|
| Model                         |                            |                     | <b>BM48UYC</b>                                       | <b>BM60UYC</b>             |
| Power supply                  | V,Hz,Ph                    |                     | 208-230,1,60   | 208-230,1,60               |
| Minimum circuit ampacity      | A                          |                     | 35   | 36                         |
| Max. fuse                     | A                          |                     | 50   | 50                         |
| Compressor                    | Model                      |                     | ATQ420D1UMU  | ATQ420D1UMU                |
|                               | Type                       |                     | ROTARY   | ROTARY                     |
|                               | Brand                      |                     | GMCC   | GMCC                       |
|                               | Capacity                   | Btu/h               | 44697  | 44697                      |
|                               | Input                      | W                   | 3420   | 3420                       |
|                               | Rated current (RLA)        | A                   | 23.5   | 23.5                       |
|                               | Thermal protector position |                     | INTERNAL   | INTERNAL                   |
| Refrigerant oil               | ml                         | Ester Oil VG74/1400 | Ester Oil VG74/1400                                  |                            |
| Outdoor fan motor             | Model                      |                     | ZKFN-85-8-22+ZKFN-85-8-22-ZKFN-85-8-22+ZKFN-85-8-22- | ZKFN-85-8-22+ZKFN-85-8-22- |
|                               | Qty                        |                     | 1+1  | 1+1                        |
|                               | Input                      | W                   | 126  | 126                        |
|                               | RLA                        | A                   | 0.39   | 0.39                       |
|                               | Speed                      | r/min               | 900  | 900/800                    |
| Outdoor air flow (Max.)       | m3/h                       |                     | 7600   | 7600                       |
| Outdoor air flow (Max.)       | CFM                        |                     | 4470   | 4470                       |
| Outdoor noise level           |                            | dB(A)               | 62.5   | 65                         |
| Throttle type                 |                            |                     | Capillary +EXV                                       | Capillary +EXV             |
| Outdoor unit                  | Dimension (W×D×H)          | mm                  | 952x415x1333   | 952x415x1333               |
|                               |                            | inch                | 37.48x16.34x52.48                                    | 37.48x16.34x52.48          |
|                               | Packing (W×D×H)            | mm                  | 1095x495x1480  | 1095x495x1480              |
|                               |                            | inch                | 43.11x19.49x58.27                                    | 43.11x19.49x58.27          |
|                               | Net/ Gross weight          | kg                  | 98.6/111.6   | 102.1/115.4                |
|                               |                            | lbs.                | 217.4/246.0  | 224.9/254.4                |
| Refrigerant                   | type/Quantity              | g                   | R410A/3400   | R410A/4600                 |
| Refrigerant                   | type/Quantity              | Oz                  | R410A/148.2  | R410A/163                  |
| Refrigerant precharge         |                            | ft                  | 25   | 25                         |
| Additional charge for each ft |                            | oz                  | 0.32   | 0.32                       |
| Design pressure               |                            | PSIG                | 550/340  | 550/340                    |
| Refrigerant piping            | Liquid side/ Gas side      | mm(inch)            | Φ9.52/Φ15.9(3/8"/5/8")                               | Φ9.52/Φ19(3/8"/3/4")       |
|                               | Max. pipe length           | m                   | 65   | 65                         |
|                               |                            | ft                  | 213  | 213                        |
|                               | Max. difference in level   | m                   | 30   | 30                         |
|                               |                            | ft                  | 98   | 98                         |
| Ambient temperature           | Cooling                    | °C                  | -15~50   | -15~50                     |
|                               |                            | °F                  | 5~122  | 5~122                      |
|                               | Heating                    | °C                  | -15~30   | -15~30                     |
|                               |                            | °F                  | 5~86   | 5~86                       |
| Qty/per 20' /40' /40'HQ       | Outdoor                    |                     | 22/48/48   | 22/48/48                   |