

MultiElite Series 2 Split System



Technical Selection Data

UNIT FEATURES

| | Wall Hung | Bulkhead | Mini Cassette |
|--|-----------|----------|---------------|
| Reverse Cycle Multi-Split System | Yes | Yes | Yes |
| Mono and Multi Compatible Heads | Yes | N/A | N/A |
| Twin-Rotary Compressor | Yes | Yes | Yes |
| Superior Operating Range: | | | |
| Cooling: up to 50°C DB | Yes | Yes | Yes |
| Heating: down to -25°C DB | Yes | Yes | Yes |
| Adjustable Airflow | Yes | Yes | Yes |
| 3D Multi-Directional Airflow: | | | |
| Up / Down Auto Swing | Yes | N/A | N/A |
| Left / Right Auto Swing | Yes | N/A | N/A |
| Louvre Position Memory | Yes | N/A | N/A |
| Fan Speed: Auto, Low, Medium and High | Yes | Yes | Yes |
| Powder Coated Panels - Outdoor Unit | Yes | Yes | Yes |
| Hydrophilic Indoor and Outdoor Coil Protection | Yes | Yes | Yes |
| Cold Catalyst Filter | Yes | N/A | N/A |
| Self-Diagnosis and Auto Protection | Yes | Yes | Yes |
| Fire Proof Electrical Box - Indoor and Outdoor | Yes | Yes | Yes |

UNIT OPTION

| | | | |
|-------------------------------------|-----|-----|-----|
| Left or Right Hand Drain Connection | Yes | Yes | N/A |
|-------------------------------------|-----|-----|-----|

CONTROL FEATURES

| | Wall Hung | Bulkhead | Mini Cassette |
|----------------------------------|-----------|----------|---------------|
| RC-02 Wireless Remote Control | Yes | N/A | N/A |
| RC-03 Wireless Remote Control | N/A | N/A | Optional |
| WC-02 Wired Controller | Optional | Yes | Yes |
| Digital Display | Yes | Yes | Yes |
| Auto Restart After Power Failure | Yes | Yes | Yes |
| Timer Operation | Yes | Yes | Yes |
| Remote ON / OFF Input | Optional | Yes | Yes |
| Manual ON / OFF Operation | Yes | Yes | Yes |
| Indoor Fan Speeds | 12 Speed | 3 Speed | 3 Speed |
| Outdoor Fan Speeds | 5 Speed | 5 Speed | 5 Speed |
| Sleep Mode | Yes | N/A | Yes |
| Turbo Mode | Yes | Yes | Yes |
| Dry Mode Operation | Yes | Yes | Yes |
| Demand Response Ready | Yes | Yes | Yes |
| Auto Defrost Function | Yes | Yes | Yes |
| Follow Me Function | Yes | Yes | Yes |
| Mute Operation | Yes | N/A | N/A |
| Self Clean Function | Yes | N/A | N/A |
| Fault Alarm Output | Optional | Yes | Yes |

UNIT COMPLIANCE

AS/NZS 3823.2 (MEPS)
 AS/NZS 4755.3.1 (DRM 1, 2 and 3)
 AS/NZS CISPR 14.1 (EMC)
 AS/NZS60335.2.40 in conjunction with AS/NZS60335.1 (Electrical Safety)

SPECIFICATION SUMMARY

| UNIT MODEL | MRC-075CS-3 | MRC-100CS-4 | MRC-120CS-5 |
|--|--------------------------|-------------|-------------|
| | NETT | | |
| ⁽¹⁾⁽²⁾ COOLING CAPACITY (kW) NOMINAL | 7.50 | 9.40 | 11.85 |
| ⁽¹⁾⁽³⁾ HEATING CAPACITY (kW) NOMINAL | 7.60 | 9.50 | 12.50 |
| ⁽¹⁾⁽⁴⁾ COOLING INPUT POWER (kW) | 1.90 | 2.11 | 3.15 |
| ⁽¹⁾⁽⁴⁾ HEATING INPUT POWER (kW) | 1.60 | 1.98 | 3.25 |
| ⁽¹⁾⁽²⁾ EER | 3.95 | 4.45 | 3.76 |
| ⁽¹⁾⁽³⁾ COP | 4.75 | 4.80 | 3.85 |
| ⁽⁵⁾ OUTDOOR SOUND PRESS. LEVEL @ 1M dB(A) | 58.7 | 58.8 | 62.6 |
| ⁽⁶⁾ OUTDOOR SOUND POWER LEVEL dB(A) | 65 | 72 | 73 |
| POWER SUPPLY | 220-240V / 1 Ph+N / 50Hz | | |
| INDOOR UNIT WIRING METHOD | Hard wire to Outdoor | | |
| ⁽¹⁾ RATED LOAD AMPS COOLING / HEATING | 8.4 / 7.0 | 9.5 / 9.3 | 14.7 / 15.8 |
| ⁽⁷⁾ FULL LOAD AMPS | TOTAL | 21.0 (max) | 23.6 (max) |
| ⁽⁸⁾ RATED LOAD AMPS | Cooling | 8.4 | 9.5 |
| | Heating | 7.0 | 9.3 |
| IP RATING | Outdoor | IP24 | IPX4 |
| | Indoor | IPX0 | |
| ⁽⁹⁾ CIRCUIT BREAKER (Amps) | 25.0 | 25.0 | 32.0 |
| OD OPERATING RANGE (°C) (Ambient Temperature) | COOLING | -15 to 50 | |
| | HEATING | -25 to 30 | |
| | DRY | 0 to 50 | |
| WEIGHT (kg) | 48.1 | 66.2 | 75.9 |

⁽¹⁾ Measured and tested in accordance with AS/NZS 3823.1.4. Rated Load Amps shown above is based on MEPS representative outdoor and indoor unit combinations

⁽²⁾ At 27°C DB / 19°C WB entering air temperatures and 35°C ambient.

⁽³⁾ At 20°C DB entering air temperature and 7°C DB / 6°C WB ambient.

⁽⁴⁾ Input power includes indoor fan kW.

⁽⁵⁾ Outdoor sound pressure level is determined in an anechoic chamber and may differ once the unit is installed due to environment conditions.

⁽⁶⁾ Determination of Sound Power Levels of Noise Sources per AS1217.2.

⁽⁷⁾ Full Load Amps (FLA) shown above is based on maximum possible outdoor and indoor unit combinations. FLA are based on compressor and fan motors' maximum expected current. Final FLA will be based on installed combination. See wiring section of installation guide for more details.

⁽⁸⁾ Rated Load Amps shown above is based on MEPS representative outdoor and indoor unit combinations. Rated Load Amps are measured and tested in accordance with AS/NZS3823.1.4.

⁽⁹⁾ Based on FLA of largest possible outdoor and indoor combination. See Specifications sheet for cable size details.

Note: Use input power to estimate running cost.

The local electricity authority may require limits on starting current and voltage drop, please check prior to purchase.

CAPACITY SELECTION DATA

MRC-075CS-3

COOLING PERFORMANCE

| COMBINATION | UNIT COMBINATION (kW) | | | UNIT CAPACITY (kW) | | | UNIT CAPACITY RANGE (kW) | | |
|-------------|-----------------------|--------|--------|--------------------|--------|--------|--------------------------|-------|-------|
| | UNIT A | UNIT B | UNIT C | UNIT A | UNIT B | UNIT C | MIN | RATED | MAX |
| 1 - HEAD | 2.6kW | | | 3.16 | — | — | 2.05 | 3.16 | 4.04 |
| | 3.5kW | — | — | 3.68 | — | — | 2.39 | 3.68 | 4.71 |
| | 5.0kW | — | — | 5.05 | — | — | 3.13 | 5.05 | 6.46 |
| | 7.1kW | — | — | 7.08 | — | — | 4.39 | 7.08 | 9.06 |
| 2 - HEADS | 2.6kW | 2.6kW | — | 2.73 | 2.73 | — | 3.38 | 5.45 | 6.27 |
| | 2.6kW | 3.5kW | — | 2.66 | 3.58 | — | 3.87 | 6.24 | 7.18 |
| | 2.6kW | 5.0kW | — | 2.31 | 4.44 | — | 4.19 | 6.75 | 7.76 |
| | 2.6kW | 7.1kW | — | 2.11 | 5.77 | — | 4.89 | 7.88 | 9.06 |
| | 3.5kW | 3.5kW | — | 3.36 | 3.36 | — | 4.17 | 6.72 | 7.73 |
| | 3.5kW | 5.0kW | — | 3.00 | 4.28 | — | 4.51 | 7.28 | 8.37 |
| | 3.5kW | 7.1kW | — | 2.69 | 5.46 | — | 5.05 | 8.15 | 9.37 |
| | 5.0kW | 5.0kW | — | 4.01 | 4.01 | — | 4.97 | 8.02 | 9.22 |
| 3 - HEADS | 2.6kW | 2.6kW | 2.6kW | 2.60 | 2.60 | 2.60 | 4.84 | 7.80 | 8.97 |
| | 2.6kW | 2.6kW | 3.5kW | 2.47 | 2.47 | 3.32 | 5.12 | 8.26 | 9.50 |
| | 2.6kW | 2.6kW | 5.0kW | 2.17 | 2.17 | 4.17 | 5.27 | 8.50 | 9.78 |
| | 2.6kW | 3.5kW | 3.5kW | 2.29 | 3.08 | 3.08 | 5.23 | 8.44 | 9.71 |
| | 2.6kW | 3.5kW | 5.0kW | 2.07 | 2.79 | 3.99 | 5.49 | 8.85 | 10.18 |
| | 3.5kW | 3.5kW | 3.5kW | 2.85 | 2.85 | 2.85 | 5.30 | 8.55 | 9.83 |

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.
3. Where the chart references 5.0 in product combination, mini cassette 5.3kW systems are compatible in place.
4. Where chart references 7.1kW in product combinations, Serene Series 2 7.2kW systems are compatible in place.

CAPACITY SELECTION DATA

MRC-075CS-3

HEATING PERFORMANCE

| COMBINATION | UNIT COMBINATION (kW) | | | UNIT CAPACITY (kW) | | | UNIT CAPACITY RANGE (kW) | | |
|-------------|-----------------------|--------|--------|--------------------|--------|--------|--------------------------|-------|-------|
| | UNIT A | UNIT B | UNIT C | UNIT A | UNIT B | UNIT C | MIN | RATED | MAX |
| 1 - HEAD | 2.6kW | — | — | 3.28 | — | — | 2.13 | 3.28 | 4.20 |
| | 3.5kW | — | — | 3.75 | — | — | 2.44 | 3.75 | 4.80 |
| | 5.0kW | — | — | 5.22 | — | — | 3.24 | 5.22 | 6.68 |
| | 7.1kW | — | — | 6.55 | — | — | 4.06 | 6.55 | 8.38 |
| 2 - HEADS | 2.6kW | 2.6kW | — | 2.79 | 2.79 | — | 3.46 | 5.58 | 6.42 |
| | 2.6kW | 3.5kW | — | 2.50 | 3.36 | — | 3.63 | 5.86 | 6.74 |
| | 2.6kW | 5.0kW | — | 2.51 | 4.83 | — | 4.55 | 7.34 | 8.44 |
| | 2.6kW | 7.1kW | — | 2.23 | 6.09 | — | 5.16 | 8.32 | 9.57 |
| | 3.5kW | 3.5kW | — | 3.36 | 3.36 | — | 4.17 | 6.72 | 7.73 |
| | 3.5kW | 5.0kW | — | 3.41 | 4.87 | — | 5.13 | 8.28 | 9.52 |
| | 3.5kW | 7.1kW | — | 2.86 | 5.79 | — | 5.36 | 8.65 | 9.95 |
| | 5.0kW | 5.0kW | — | 4.23 | 4.23 | — | 5.24 | 8.45 | 9.72 |
| 3 - HEADS | 2.6kW | 2.6kW | 2.6kW | 2.69 | 2.69 | 2.69 | 5.00 | 8.06 | 9.27 |
| | 2.6kW | 2.6kW | 3.5kW | 2.53 | 2.53 | 3.40 | 5.25 | 8.46 | 9.73 |
| | 2.6kW | 2.6kW | 5.0kW | 2.20 | 2.20 | 4.24 | 5.36 | 8.64 | 9.94 |
| | 2.6kW | 3.5kW | 3.5kW | 2.34 | 3.15 | 3.15 | 5.36 | 8.64 | 9.94 |
| | 2.6kW | 3.5kW | 5.0kW | 2.00 | 2.69 | 3.85 | 5.29 | 8.54 | 9.82 |
| | 3.5kW | 3.5kW | 3.5kW | 2.95 | 2.95 | 2.95 | 5.49 | 8.85 | 10.18 |

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.
3. Where the chart references 5.0 in product combination, mini cassette 5.3kW systems are compatible in place.
4. Where chart references 7.1kW in product combinations, Serene Series 2 7.2kW systems are compatible in place.

CAPACITY SELECTION DATA

MRC-100CS-4

COOLING PERFORMANCE

| COMBINATION | UNIT COMBINATION (kW) | | | | UNIT CAPACITY (kW) | | | | UNIT CAPACITY RANGE (kW) | | |
|-------------|-----------------------|--------|--------|--------|--------------------|--------|--------|--------|--------------------------|-------|-------|
| | UNIT A | UNIT B | UNIT C | UNIT D | UNIT A | UNIT B | UNIT C | UNIT D | MIN | RATED | MAX |
| 1 - HEAD | 2.6kW | — | — | — | 3.16 | — | — | — | 2.05 | 3.16 | 4.04 |
| | 3.5kW | — | — | — | 3.68 | — | — | — | 2.39 | 3.68 | 4.71 |
| | 5.0kW | — | — | — | 5.05 | — | — | — | 3.13 | 5.05 | 6.46 |
| | 7.1kW | — | — | — | 7.08 | — | — | — | 4.39 | 7.08 | 9.06 |
| | 8.5kW | — | — | — | 8.42 | — | — | — | 5.22 | 8.42 | 10.78 |
| 2 - HEADS | 2.6kW | 2.6kW | — | — | 2.73 | 2.73 | — | — | 2.29 | 5.45 | 6.65 |
| | 2.6kW | 3.5kW | — | — | 2.66 | 3.58 | — | — | 2.62 | 6.24 | 7.61 |
| | 2.6kW | 5.0kW | — | — | 2.31 | 4.44 | — | — | 2.84 | 6.75 | 8.24 |
| | 2.6kW | 7.1kW | — | — | 2.11 | 5.77 | — | — | 4.89 | 7.88 | 9.06 |
| | 3.5kW | 3.5kW | — | — | 3.36 | 3.36 | — | — | 2.82 | 6.72 | 8.20 |
| | 3.5kW | 5.0kW | — | — | 3.00 | 4.28 | — | — | 3.06 | 7.28 | 8.88 |
| | 3.5kW | 7.1kW | — | — | 2.69 | 5.46 | — | — | 5.05 | 8.15 | 9.37 |
| | 3.5kW | 8.5kW | — | — | 2.52 | 6.12 | — | — | 5.36 | 8.64 | 9.94 |
| | 5.0kW | 5.0kW | — | — | 4.05 | 4.05 | — | — | 3.40 | 8.09 | 9.87 |
| 5.0kW | 7.1kW | — | — | 3.55 | 5.05 | — | — | 5.33 | 8.60 | 9.89 | |
| 3 - HEADS | 2.6kW | 2.6kW | 2.6kW | — | 2.60 | 2.60 | 2.60 | — | 3.28 | 7.80 | 9.52 |
| | 2.6kW | 2.6kW | 3.5kW | — | 2.47 | 2.47 | 3.32 | — | 3.47 | 8.26 | 10.08 |
| | 2.6kW | 2.6kW | 5.0kW | — | 2.19 | 2.19 | 4.22 | — | 3.61 | 8.60 | 10.49 |
| | 2.6kW | 3.5kW | 3.5kW | — | 2.29 | 3.08 | 3.08 | — | 3.54 | 8.44 | 10.30 |
| | 2.6kW | 3.5kW | 5.0kW | — | 2.07 | 2.79 | 3.99 | — | 3.72 | 8.85 | 10.80 |
| | 3.5kW | 3.5kW | 3.5kW | — | 2.85 | 2.85 | 2.85 | — | 3.59 | 8.55 | 10.43 |
| | 3.5kW | 3.5kW | 5.0kW | — | 2.60 | 2.60 | 3.72 | — | 3.75 | 8.92 | 10.88 |
| 4 - HEADS | 2.6kW | 2.6kW | 2.6kW | 2.6kW | 2.15 | 2.15 | 2.15 | 2.15 | 3.52 | 8.59 | 10.48 |
| | 2.6kW | 2.6kW | 2.6kW | 3.5kW | 2.10 | 2.10 | 2.10 | 2.82 | 3.74 | 9.11 | 11.11 |
| | 2.6kW | 2.6kW | 3.5kW | 3.5kW | 1.92 | 1.92 | 2.58 | 2.58 | 3.69 | 8.99 | 10.97 |

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.
3. Where the chart references 5.0 in product combination, mini cassette 5.3kW systems are compatible in place.
4. Where chart references 7.1kW in product combinations, Serene Series 2.7.2kW systems are compatible in place.

CAPACITY SELECTION DATA

MRC-100CS-4

HEATING PERFORMANCE

| COMBINATION | UNIT COMBINATION (kW) | | | | UNIT CAPACITY (kW) | | | | UNIT CAPACITY RANGE (kW) | | |
|-------------|-----------------------|--------|--------|--------|--------------------|--------|--------|--------|--------------------------|-------|-------|
| | UNIT A | UNIT B | UNIT C | UNIT D | UNIT A | UNIT B | UNIT C | UNIT D | MIN | RATED | MAX |
| 1 - HEAD | 2.6kW | — | — | — | 3.28 | — | — | — | 2.13 | 3.28 | 4.20 |
| | 3.5kW | — | — | — | 3.75 | — | — | — | 2.44 | 3.75 | 4.80 |
| | 5.0kW | — | — | — | 5.22 | — | — | — | 3.24 | 5.22 | 6.68 |
| | 7.1kW | — | — | — | 6.55 | — | — | — | 4.06 | 6.55 | 8.38 |
| | 8.5kW | — | — | — | 8.12 | — | — | — | 5.03 | 8.12 | 10.39 |
| 2 - HEADS | 2.6kW | 2.6kW | — | — | 2.79 | 2.79 | — | — | 2.34 | 5.58 | 6.81 |
| | 2.6kW | 3.5kW | — | — | 2.50 | 3.36 | — | — | 2.46 | 5.86 | 7.15 |
| | 2.6kW | 5.0kW | — | — | 2.51 | 4.83 | — | — | 3.08 | 7.34 | 8.95 |
| | 2.6kW | 7.1kW | — | — | 2.23 | 6.09 | — | — | 5.16 | 8.32 | 9.57 |
| | 3.5kW | 3.5kW | — | — | 3.36 | 3.36 | — | — | 2.82 | 6.72 | 8.20 |
| | 3.5kW | 5.0kW | — | — | 3.41 | 4.87 | — | — | 3.48 | 8.28 | 10.10 |
| | 3.5kW | 7.1kW | — | — | 2.86 | 5.79 | — | — | 5.36 | 8.65 | 9.95 |
| | 3.5kW | 8.5kW | — | — | 2.72 | 6.60 | — | — | 5.78 | 9.32 | 10.72 |
| | 5.0kW | 5.0kW | — | — | 4.05 | 4.05 | — | — | 5.02 | 8.09 | 9.30 |
| 5.0kW | 7.1kW | — | — | 3.86 | 5.48 | — | — | 5.79 | 9.34 | 10.74 | |
| 3 - HEADS | 2.6kW | 2.6kW | 2.6kW | — | 2.69 | 2.69 | 2.69 | — | 3.39 | 8.06 | 9.83 |
| | 2.6kW | 2.6kW | 3.5kW | — | 2.47 | 2.47 | 3.32 | — | 3.47 | 8.26 | 10.08 |
| | 2.6kW | 2.6kW | 5.0kW | — | 2.19 | 2.19 | 4.22 | — | 3.61 | 8.60 | 10.49 |
| | 2.6kW | 3.5kW | 3.5kW | — | 2.34 | 3.15 | 3.15 | — | 3.63 | 8.64 | 10.54 |
| | 2.6kW | 3.5kW | 5.0kW | — | 2.00 | 2.69 | 3.85 | — | 3.59 | 8.54 | 10.42 |
| | 3.5kW | 3.5kW | 3.5kW | — | 2.89 | 2.89 | 2.89 | — | 3.65 | 8.68 | 10.59 |
| | 3.5kW | 3.5kW | 5.0kW | — | 2.72 | 2.72 | 3.88 | — | 3.91 | 9.32 | 11.37 |
| 4 - HEADS | 2.6kW | 2.6kW | 2.6kW | 2.6kW | 2.63 | 2.63 | 2.63 | 2.63 | 4.31 | 10.50 | 12.81 |
| | 2.6kW | 2.6kW | 2.6kW | 3.5kW | 2.44 | 2.44 | 2.44 | 3.29 | 4.36 | 10.62 | 12.96 |
| | 2.6kW | 2.6kW | 3.5kW | 3.5kW | 2.37 | 2.37 | 3.19 | 3.19 | 4.56 | 11.13 | 13.58 |

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.
3. Where the chart references 5.0 in product combination, mini cassette 5.3kW systems are compatible in place.
4. Where chart references 7.1kW in product combinations, Serene Series 2 7.2kW systems are compatible in place.

CAPACITY SELECTION DATA

MRC-120CS-5

| COOLING PERFORMANCE | | | | | | | | | | | | | |
|---------------------|-----------------------|--------|--------|--------|--------|--------------------|--------|--------|--------|--------|--------------------------|-------|-------|
| COMBINATION | UNIT COMBINATION (kW) | | | | | UNIT CAPACITY (kW) | | | | | UNIT CAPACITY RANGE (kW) | | |
| | UNIT A | UNIT B | UNIT C | UNIT D | UNIT E | UNIT A | UNIT B | UNIT C | UNIT D | UNIT E | MIN | RATED | MAX |
| 1 - HEAD | 2.6kW | — | — | — | — | 3.16 | — | — | — | — | 1.90 | 3.16 | 4.11 |
| | 3.5kW | — | — | — | — | 3.68 | — | — | — | — | 2.21 | 3.68 | 4.78 |
| | 5.0kW | — | — | — | — | 5.05 | — | — | — | — | 3.03 | 5.05 | 6.57 |
| | 7.1kW | — | — | — | — | 7.08 | — | — | — | — | 4.25 | 7.08 | 9.20 |
| | 8.5kW | — | — | — | — | 8.72 | — | — | — | — | 5.23 | 8.72 | 11.34 |
| 2 - HEADS | 2.6kW | 2.6kW | — | — | — | 2.86 | 2.86 | — | — | — | 3.43 | 5.72 | 6.58 |
| | 2.6kW | 3.5kW | — | — | — | 2.83 | 3.82 | — | — | — | 3.99 | 6.65 | 7.65 |
| | 2.6kW | 5.0kW | — | — | — | 2.73 | 5.25 | — | — | — | 4.79 | 7.98 | 9.18 |
| | 2.6kW | 7.1kW | — | — | — | 2.52 | 6.89 | — | — | — | 5.65 | 9.41 | 10.82 |
| | 3.5kW | 3.5kW | — | — | — | 3.64 | 3.64 | — | — | — | 3.64 | 7.28 | 7.64 |
| | 3.5kW | 5.0kW | — | — | — | 3.43 | 4.90 | — | — | — | 4.17 | 8.33 | 8.75 |
| | 3.5kW | 7.1kW | — | — | — | 3.33 | 6.75 | — | — | — | 5.04 | 10.07 | 10.57 |
| | 3.5kW | 8.5kW | — | — | — | 3.06 | 7.44 | — | — | — | 5.25 | 10.50 | 11.03 |
| | 5.0kW | 5.0kW | — | — | — | 4.85 | 4.85 | — | — | — | 4.85 | 9.70 | 10.19 |
| | 5.0kW | 7.1kW | — | — | — | 4.35 | 6.18 | — | — | — | 5.26 | 10.53 | 11.05 |
| | 5.0kW | 8.5kW | — | — | — | 4.16 | 7.07 | — | — | — | 5.62 | 11.23 | 11.79 |
| 7.1kW | 7.1kW | — | — | — | 6.04 | 6.04 | — | — | — | 6.04 | 12.07 | 12.19 | |
| 3 - HEADS | 2.6kW | 2.6kW | 2.6kW | — | — | 2.86 | 2.86 | 2.86 | — | — | 4.29 | 8.58 | 9.44 |
| | 2.6kW | 2.6kW | 3.5kW | — | — | 2.73 | 2.73 | 3.68 | — | — | 4.57 | 9.14 | 10.05 |
| | 2.6kW | 2.6kW | 5.0kW | — | — | 2.47 | 2.47 | 4.75 | — | — | 4.85 | 9.69 | 10.66 |
| | 2.6kW | 2.6kW | 7.1kW | — | — | 2.24 | 2.24 | 6.11 | — | — | 5.29 | 10.58 | 11.64 |
| | 2.6kW | 2.6kW | 8.5kW | — | — | 2.16 | 2.16 | 7.06 | — | — | 5.69 | 11.37 | 12.51 |
| | 2.6kW | 3.5kW | 3.5kW | — | — | 2.68 | 3.61 | 3.61 | — | — | 4.94 | 9.89 | 10.88 |
| | 2.6kW | 3.5kW | 5.0kW | — | — | 2.42 | 3.26 | 4.65 | — | — | 5.16 | 10.32 | 10.84 |
| | 2.6kW | 3.5kW | 7.1kW | — | — | 2.21 | 2.98 | 6.04 | — | — | 5.61 | 11.22 | 11.78 |
| | 2.6kW | 3.5kW | 8.5kW | — | — | 2.11 | 2.84 | 6.89 | — | — | 5.91 | 11.83 | 12.42 |
| | 2.6kW | 5.0kW | 5.0kW | — | — | 2.21 | 4.25 | 4.25 | — | — | 5.36 | 10.71 | 11.25 |
| | 2.6kW | 5.0kW | 7.1kW | — | — | 2.11 | 4.05 | 5.75 | — | — | 5.95 | 11.91 | 12.50 |
| | 3.5kW | 3.5kW | 3.5kW | — | — | 3.36 | 3.36 | 3.36 | — | — | 5.04 | 10.08 | 10.58 |
| | 3.5kW | 3.5kW | 5.0kW | — | — | 3.10 | 3.10 | 4.44 | — | — | 5.32 | 10.64 | 11.18 |
| | 3.5kW | 3.5kW | 7.1kW | — | — | 2.87 | 2.87 | 5.82 | — | — | 5.78 | 11.56 | 12.14 |
| | 3.5kW | 3.5kW | 8.5kW | — | — | 2.80 | 2.80 | 6.80 | — | — | 6.20 | 12.40 | 13.02 |
| | 3.5kW | 5.0kW | 5.0kW | — | — | 3.08 | 4.40 | 4.40 | — | — | 5.94 | 11.88 | 12.47 |
| | 5.0kW | 5.0kW | 5.0kW | — | — | 4.40 | 4.40 | 4.40 | — | — | 6.60 | 13.20 | 13.86 |

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.
3. Where the chart references 5.0 in product combination, mini cassette 5.3kW systems are compatible in place.
4. Where chart references 7.1kW in product combinations, Serene Series 2 7.2kW systems are compatible in place.

CAPACITY SELECTION DATA

MRC-120CS-5

COOLING PERFORMANCE

| COMBINATION | UNIT COMBINATION (kW) | | | | | UNIT CAPACITY (kW) | | | | | UNIT CAPACITY RANGE (kW) | | |
|-------------|-----------------------|--------|--------|--------|--------|--------------------|--------|--------|--------|--------|--------------------------|-------|-------|
| | UNIT A | UNIT B | UNIT C | UNIT D | UNIT E | UNIT A | UNIT B | UNIT C | UNIT D | UNIT E | MIN | RATED | MAX |
| 4 - HEADS | 2.6kW | 2.6kW | 2.6kW | 2.6kW | — | 2.57 | 2.57 | 2.57 | 2.57 | — | 5.15 | 10.30 | 10.50 |
| | 2.6kW | 2.6kW | 2.6kW | 3.5kW | — | 2.52 | 2.52 | 2.52 | 3.40 | — | 5.48 | 10.96 | 11.18 |
| | 2.6kW | 2.6kW | 2.6kW | 5.0kW | — | 2.29 | 2.29 | 2.29 | 4.40 | — | 5.63 | 11.26 | 11.49 |
| | 2.6kW | 2.6kW | 2.6kW | 7.1kW | — | 2.26 | 2.26 | 2.26 | 6.18 | — | 6.48 | 12.96 | 13.22 |
| | 2.6kW | 2.6kW | 3.5kW | 3.5kW | — | 2.29 | 2.29 | 3.08 | 3.08 | — | 5.37 | 10.74 | 10.95 |
| | 2.6kW | 2.6kW | 3.5kW | 5.0kW | — | 2.26 | 2.26 | 3.05 | 4.35 | — | 5.96 | 11.92 | 12.16 |
| | 2.6kW | 2.6kW | 5.0kW | 5.0kW | — | 2.24 | 2.24 | 4.30 | 4.30 | — | 6.54 | 13.07 | 13.33 |
| | 2.6kW | 3.5kW | 3.5kW | 3.5kW | — | 2.29 | 3.08 | 3.08 | 3.08 | — | 5.76 | 11.53 | 11.76 |
| | 2.6kW | 3.5kW | 3.5kW | 5.0kW | — | 2.26 | 3.05 | 3.05 | 4.35 | — | 6.35 | 12.70 | 12.96 |
| | 3.5kW | 3.5kW | 3.5kW | 3.5kW | — | 3.05 | 3.05 | 3.05 | 3.05 | — | 6.09 | 12.18 | 12.42 |
| 5 - HEADS | 2.6kW | 2.6kW | 2.6kW | 2.6kW | 2.6kW | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 6.44 | 12.87 | 13.51 |
| | 2.6kW | 2.6kW | 2.6kW | 2.6kW | 3.5kW | 2.47 | 2.47 | 2.47 | 2.47 | 3.33 | 6.60 | 13.21 | 13.87 |
| | 2.6kW | 2.6kW | 2.6kW | 2.6kW | 5.0kW | 2.21 | 2.21 | 2.21 | 2.21 | 4.25 | 6.55 | 13.09 | 13.74 |
| | 2.6kW | 2.6kW | 2.6kW | 3.5kW | 3.5kW | 2.34 | 2.34 | 2.34 | 3.15 | 3.15 | 6.66 | 13.32 | 13.99 |

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.
3. Where the chart references 5.0 in product combination, mini cassette 5.3kW systems are compatible in place.
4. Where chart references 7.1kW in product combinations, Serene Series 2 7.2kW systems are compatible in place.



CAPACITY SELECTION DATA

MRC-120CS-5

HEATING PERFORMANCE

| COMBINATION | UNIT COMBINATION (kW) | | | | | UNIT CAPACITY (kW) | | | | | UNIT CAPACITY RANGE (kW) | | |
|-------------|-----------------------|--------|--------|--------|--------|--------------------|--------|--------|--------|--------|--------------------------|-------|-------|
| | UNIT A | UNIT B | UNIT C | UNIT D | UNIT E | UNIT A | UNIT B | UNIT C | UNIT D | UNIT E | MIN | RATED | MAX |
| 1 - HEAD | 2.6kW | — | — | — | — | 3.28 | — | — | — | — | 1.97 | 3.28 | 4.26 |
| | 3.5kW | — | — | — | — | 3.75 | — | — | — | — | 2.25 | 3.75 | 4.88 |
| | 5.0kW | — | — | — | — | 5.22 | — | — | — | — | 3.13 | 5.22 | 6.79 |
| | 7.1kW | — | — | — | — | 6.55 | — | — | — | — | 3.93 | 6.55 | 8.52 |
| | 8.5kW | — | — | — | — | 8.12 | — | — | — | — | 4.87 | 8.12 | 10.56 |
| 2 - HEADS | 2.6kW | 2.6kW | — | — | — | 2.86 | 2.86 | — | — | — | 3.43 | 5.72 | 6.58 |
| | 2.6kW | 3.5kW | — | — | — | 2.83 | 3.82 | — | — | — | 3.99 | 6.65 | 7.65 |
| | 2.6kW | 5.0kW | — | — | — | 2.73 | 5.25 | — | — | — | 4.79 | 7.98 | 9.18 |
| | 2.6kW | 7.1kW | — | — | — | 2.52 | 6.89 | — | — | — | 5.65 | 9.41 | 10.82 |
| | 3.5kW | 3.5kW | — | — | — | 3.64 | 3.64 | — | — | — | 3.64 | 7.28 | 7.64 |
| | 3.5kW | 5.0kW | — | — | — | 3.43 | 4.90 | — | — | — | 4.17 | 8.33 | 8.75 |
| | 3.5kW | 7.1kW | — | — | — | 3.33 | 6.75 | — | — | — | 5.04 | 10.07 | 10.57 |
| | 3.5kW | 8.5kW | — | — | — | 3.06 | 7.44 | — | — | — | 5.25 | 10.50 | 11.03 |
| | 5.0kW | 5.0kW | — | — | — | 4.85 | 4.85 | — | — | — | 4.85 | 9.70 | 10.19 |
| | 5.0kW | 7.1kW | — | — | — | 4.35 | 6.18 | — | — | — | 5.26 | 10.53 | 11.05 |
| | 5.0kW | 8.5kW | — | — | — | 4.16 | 7.07 | — | — | — | 5.62 | 11.23 | 11.79 |
| 3 - HEADS | 7.1kW | 7.1kW | — | — | — | 6.04 | 6.04 | — | — | — | 6.04 | 12.07 | 12.19 |
| | 2.6kW | 2.6kW | 2.6kW | — | — | 2.86 | 2.86 | 2.86 | — | — | 4.29 | 8.58 | 9.44 |
| | 2.6kW | 2.6kW | 3.5kW | — | — | 2.73 | 2.73 | 3.68 | — | — | 4.57 | 9.14 | 10.05 |
| | 2.6kW | 2.6kW | 5.0kW | — | — | 2.47 | 2.47 | 4.75 | — | — | 4.85 | 9.69 | 10.66 |
| | 2.6kW | 2.6kW | 7.1kW | — | — | 2.24 | 2.24 | 6.11 | — | — | 5.29 | 10.58 | 11.64 |
| | 2.6kW | 2.6kW | 8.5kW | — | — | 2.16 | 2.16 | 7.06 | — | — | 5.69 | 11.37 | 12.51 |
| | 2.6kW | 3.5kW | 3.5kW | — | — | 2.68 | 3.61 | 3.61 | — | — | 4.94 | 9.89 | 10.88 |
| | 2.6kW | 3.5kW | 5.0kW | — | — | 2.42 | 3.26 | 4.65 | — | — | 5.16 | 10.32 | 10.84 |
| | 2.6kW | 3.5kW | 7.1kW | — | — | 2.21 | 2.98 | 6.04 | — | — | 5.61 | 11.22 | 11.78 |
| | 2.6kW | 3.5kW | 8.5kW | — | — | 2.11 | 2.84 | 6.89 | — | — | 5.91 | 11.83 | 12.42 |
| | 2.6kW | 5.0kW | 5.0kW | — | — | 2.21 | 4.25 | 4.25 | — | — | 5.36 | 10.71 | 11.25 |
| | 2.6kW | 5.0kW | 7.1kW | — | — | 2.11 | 4.05 | 5.75 | — | — | 5.95 | 11.91 | 12.50 |
| | 3.5kW | 3.5kW | 3.5kW | — | — | 3.36 | 3.36 | 3.36 | — | — | 5.04 | 10.08 | 10.58 |
| | 3.5kW | 3.5kW | 5.0kW | — | — | 3.10 | 3.10 | 4.44 | — | — | 5.32 | 10.64 | 11.18 |
| | 3.5kW | 3.5kW | 7.1kW | — | — | 2.87 | 2.87 | 5.82 | — | — | 5.78 | 11.56 | 12.14 |
| | 3.5kW | 3.5kW | 8.5kW | — | — | 2.80 | 2.80 | 6.80 | — | — | 6.20 | 12.40 | 13.02 |
| | 3.5kW | 5.0kW | 5.0kW | — | — | 3.08 | 4.40 | 4.40 | — | — | 5.94 | 11.88 | 12.47 |
| 5.0kW | 5.0kW | 5.0kW | — | — | 4.40 | 4.40 | 4.40 | — | — | 6.60 | 13.20 | 13.86 | |

NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.
3. Where the chart references 5.0 in product combination, mini cassette 5.3kW systems are compatible in place.
4. Where chart references 7.1kW in product combinations, Serene Series 2 7.2kW systems are compatible in place.

CAPACITY SELECTION DATA

MRC-120CS-5

HEATING PERFORMANCE

| COMBINATION | UNIT COMBINATION (kW) | | | | | UNIT CAPACITY (kW) | | | | | UNIT CAPACITY RANGE (kW) | | |
|-------------|-----------------------|--------|--------|--------|--------|--------------------|--------|--------|--------|--------|--------------------------|-------|-------|
| | UNIT A | UNIT B | UNIT C | UNIT D | UNIT E | UNIT A | UNIT B | UNIT C | UNIT D | UNIT E | MIN | RATED | MAX |
| 4 - HEADS | 2.6kW | 2.6kW | 2.6kW | 2.6kW | — | 2.57 | 2.57 | 2.57 | 2.57 | — | 5.15 | 10.30 | 10.50 |
| | 2.6kW | 2.6kW | 2.6kW | 3.5kW | — | 2.52 | 2.52 | 2.52 | 3.40 | — | 5.48 | 10.96 | 11.18 |
| | 2.6kW | 2.6kW | 2.6kW | 5.0kW | — | 2.29 | 2.29 | 2.29 | 4.40 | — | 5.63 | 11.26 | 11.49 |
| | 2.6kW | 2.6kW | 2.6kW | 7.1kW | — | 2.26 | 2.26 | 2.26 | 6.18 | — | 6.48 | 12.96 | 13.22 |
| | 2.6kW | 2.6kW | 3.5kW | 3.5kW | — | 2.29 | 2.29 | 3.08 | 3.08 | — | 5.37 | 10.74 | 10.95 |
| | 2.6kW | 2.6kW | 3.5kW | 5.0kW | — | 2.26 | 2.26 | 3.05 | 4.35 | — | 5.96 | 11.92 | 12.16 |
| | 2.6kW | 2.6kW | 5.0kW | 5.0kW | — | 2.24 | 2.24 | 4.30 | 4.30 | — | 6.54 | 13.07 | 13.33 |
| | 2.6kW | 3.5kW | 3.5kW | 3.5kW | — | 2.29 | 3.08 | 3.08 | 3.08 | — | 5.76 | 11.53 | 11.76 |
| | 2.6kW | 3.5kW | 3.5kW | 5.0kW | — | 2.26 | 3.05 | 3.05 | 4.35 | — | 6.35 | 12.70 | 12.96 |
| | 3.5kW | 3.5kW | 3.5kW | 3.5kW | — | 3.05 | 3.05 | 3.05 | 3.05 | — | 6.09 | 12.18 | 12.42 |
| 5 - HEADS | 2.6kW | 2.6kW | 2.6kW | 2.6kW | 2.6kW | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 6.44 | 12.87 | 13.51 |
| | 2.6kW | 2.6kW | 2.6kW | 2.6kW | 3.5kW | 2.47 | 2.47 | 2.47 | 2.47 | 3.33 | 6.60 | 13.21 | 13.87 |
| | 2.6kW | 2.6kW | 2.6kW | 2.6kW | 5.0kW | 2.21 | 2.21 | 2.21 | 2.21 | 4.25 | 6.55 | 13.09 | 13.74 |
| | 2.6kW | 2.6kW | 2.6kW | 3.5kW | 3.5kW | 2.34 | 2.34 | 2.34 | 3.15 | 3.15 | 6.66 | 13.32 | 13.99 |

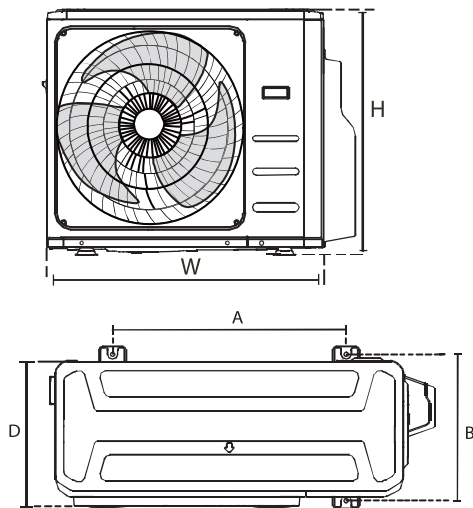
NOTES:

1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows.
3. Where the chart references 5.0 in product combination, mini cassette 5.3kW systems are compatible in place.
4. Where chart references 7.1kW in product combinations, Serene Series 2.7.2kW systems are compatible in place.



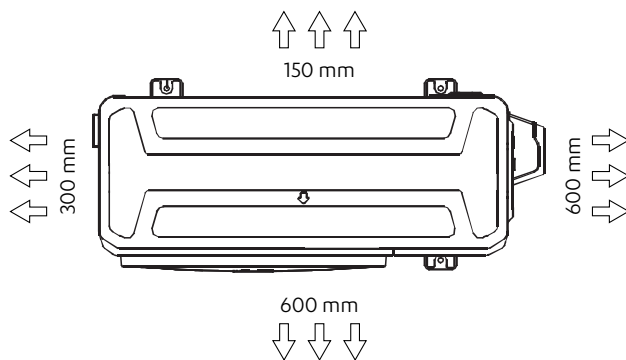
OUTDOOR UNITS : MRC-075CS-3 MRC-100CS-4 MRC-120CS-5

Split Type Outdoor Unit



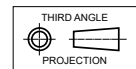
| Model Number | Outdoor Unit Dimensions | | | Mounting Dimensions (Centre to Centre) | |
|--------------|-------------------------|-----|-----|--|-----|
| | H | W | D | A | B |
| MRC-075CS-3 | 673 | 890 | 342 | 663 | 354 |
| MRC-100CS-4 | 810 | 946 | 410 | 673 | 403 |
| MRC-120CS-5 | 810 | 946 | 410 | 673 | 403 |

SERVICE ACCESS AREAS / AIRFLOW ALLOWANCES



HEIGHT CLEARANCE = 600 mm or more

NOTES:

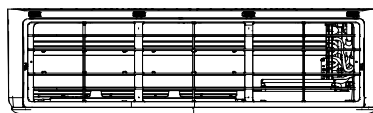


1. Do not scale drawing. All dimensions are in **mm** unless otherwise specified. Refer to corresponding unit dimensional drawing for mounting hole details.
2. Service Access Areas and Spaces for Airflow Clearances are suggested minimum based on the condition that the spaces around the units are free from any obstructions and a walkway passage of 1000 mm between the units or between the unit and the outside perimeter is available.
3. Minimum service access areas and spaces for airflow clearances are responsibilities of the installer, ActronAir will not be held liable for any extra charges incurred due to lack of access and space for airflow.
4. Under all circumstances, condenser air must not recirculate back onto condenser coil. Keep all clearance free of any obstruction.
5. Refer Pipe Connection Details on Specifications Sheet.
6. MTG C-C DIST = Mounting Centre to Centre Distance.
7. Use M12 bolt for feet mounting.
8. Installation of this unit should be in accordance with Electrical Safety Standard, AS/NZS 60335.2.40.
9. Additional safety provision maybe needed such as leak detector sensor and/or ventilation to meet the minimum area requirement. For more details refer to Annex GG and Annex HH of the above standard.
10. Refer to R-32 Safety Manual for minimum required area of installation.

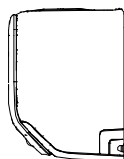
UNIT AND MOUNTING DIMENSIONS

SERENE 2

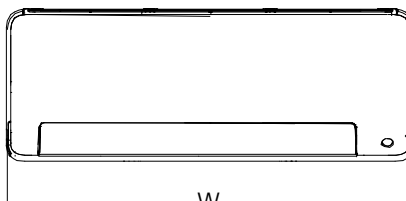
INDOOR UNITS : WRE-026CS WRE-035CS WRE-050CS WRE-072CS WRE-085CS



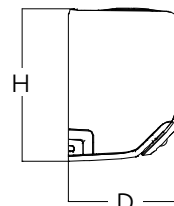
TOP VIEW



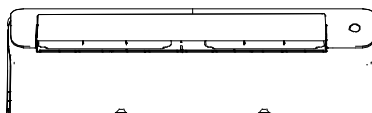
LHS VIEW



FRONT VIEW



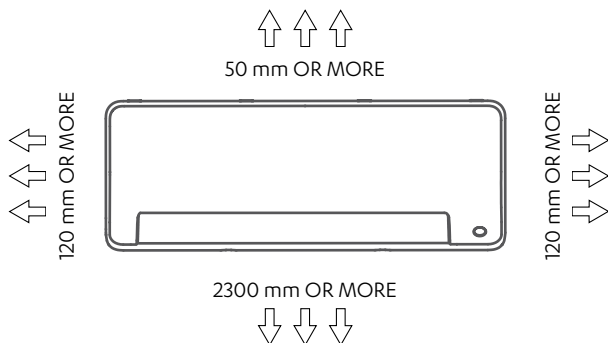
RHS VIEW



BOTTOM VIEW

| Model Number | DIMENSIONS | | |
|--------------|------------|------|-----|
| | H | W | D |
| WRE-026CS | 295 | 795 | 225 |
| WRE-035CS | 295 | 795 | 225 |
| WRE-050CS | 315 | 965 | 239 |
| WRE-072CS | 370 | 1140 | 297 |
| WRE-085CS | 370 | 1140 | 297 |

SERVICE ACCESS AREAS / AIRFLOW ALLOWANCES

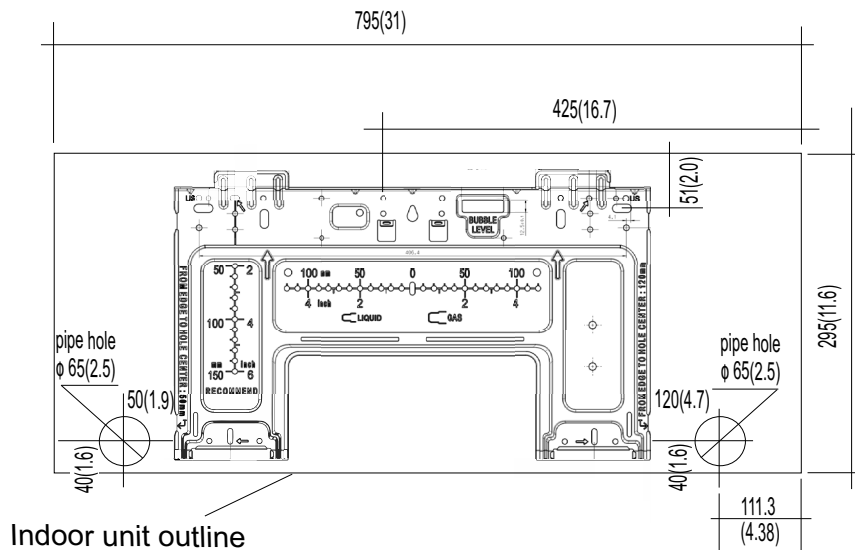


NOTES:

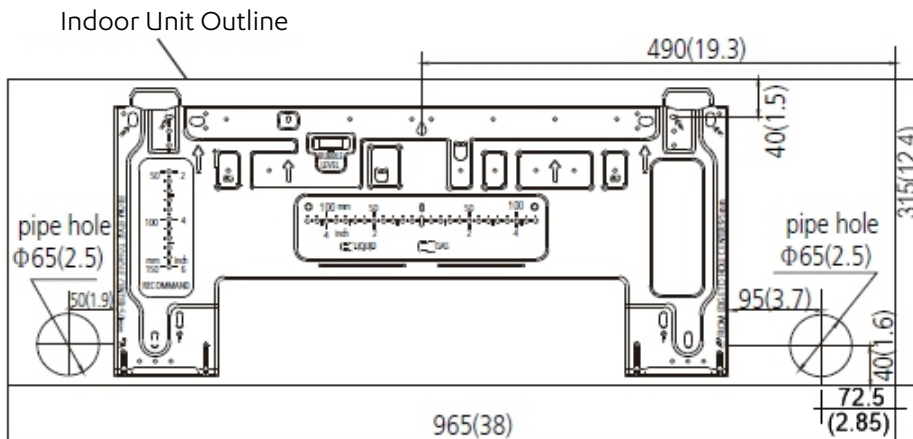
1. Do not scale drawing.
2. All dimensions are in **mm** unless otherwise specified. Refer to corresponding unit dimensional drawing for mounting hole details.
3. Refer Pipe Connection Details on Specification Sheet.
4. Minimum service access areas and spaces for airflow clearances are responsibilities of the installer.
5. Drawings are third angle projection.

MOUNTING DETAILS

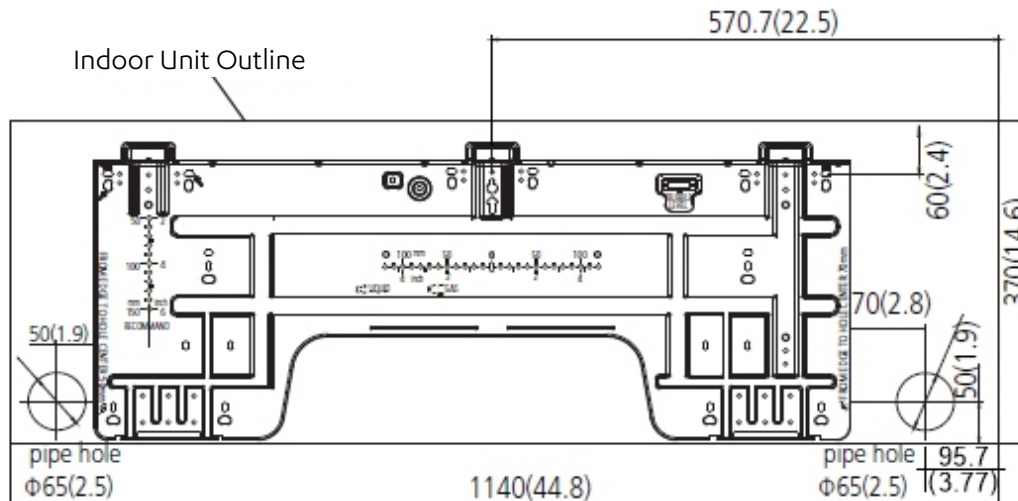
WRE-026CS AND WRE-035CS



WRE-050CS



WRE-072CS AND WRE-080CS

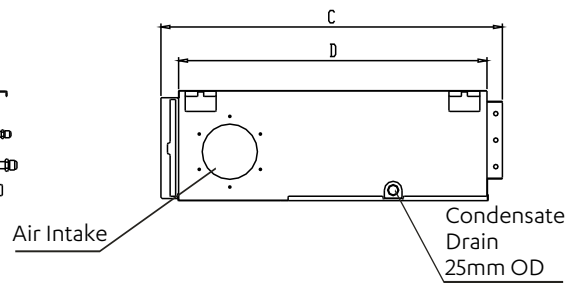
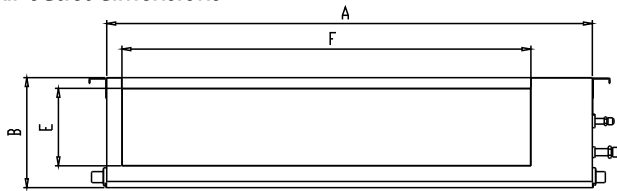


UNIT AND MOUNTING DIMENSIONS

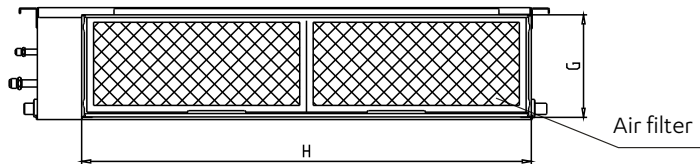
BULKHEAD

INDOOR UNITS : BRE-026CS BRE-035CS BRE-050CS BRE-070CS

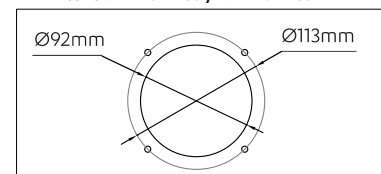
Air outlet dimensions



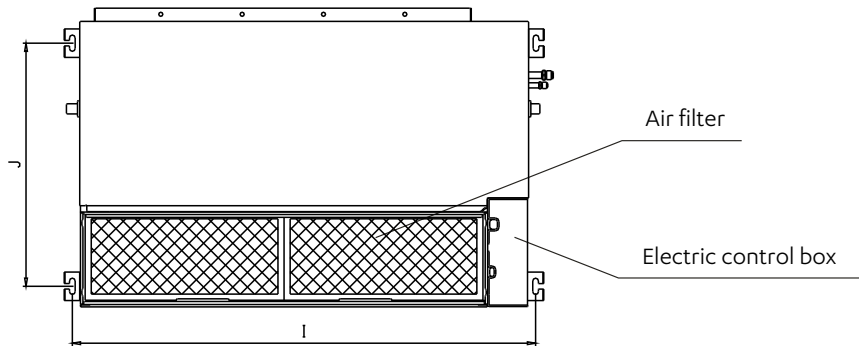
Air inlet dimensions



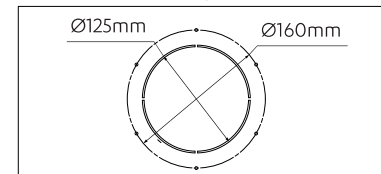
Air Intake BRE-026CS / BRE-035CS



Descending ventilation opening and mounted hook

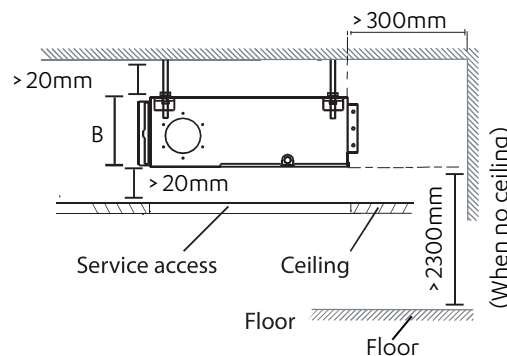
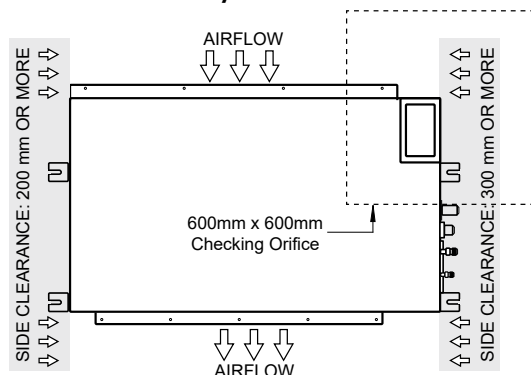


Air Intake BRE-050CS / BRE-070CS



| Model | Outline Dimensions | | | | Supply Air | | Return Air | | Mounting | |
|------------------------|--------------------|--------|-------------|------------|------------|-------|------------|-------|----------|-------|
| | Width | Height | Total Depth | Unit Depth | Height | Width | Height | Width | Width | Depth |
| | A | B | C | D | E | F | G | H | I | J |
| BRE-026CS BRE-035CS | 700 | 200 | 506 | 450 | 152 | 537 | 186 | 599 | 741 | 360 |
| BRE-050CS | 880 | 210 | 674 | 600 | 136 | 706 | 190 | 782 | 920 | 508 |
| BRE-070CS | 1100 | 249 | 774 | 700 | 175 | 926 | 228 | 1001 | 1140 | 598 |

SERVICE ACCESS AREAS / AIRFLOW ALLOWANCES



NOTE

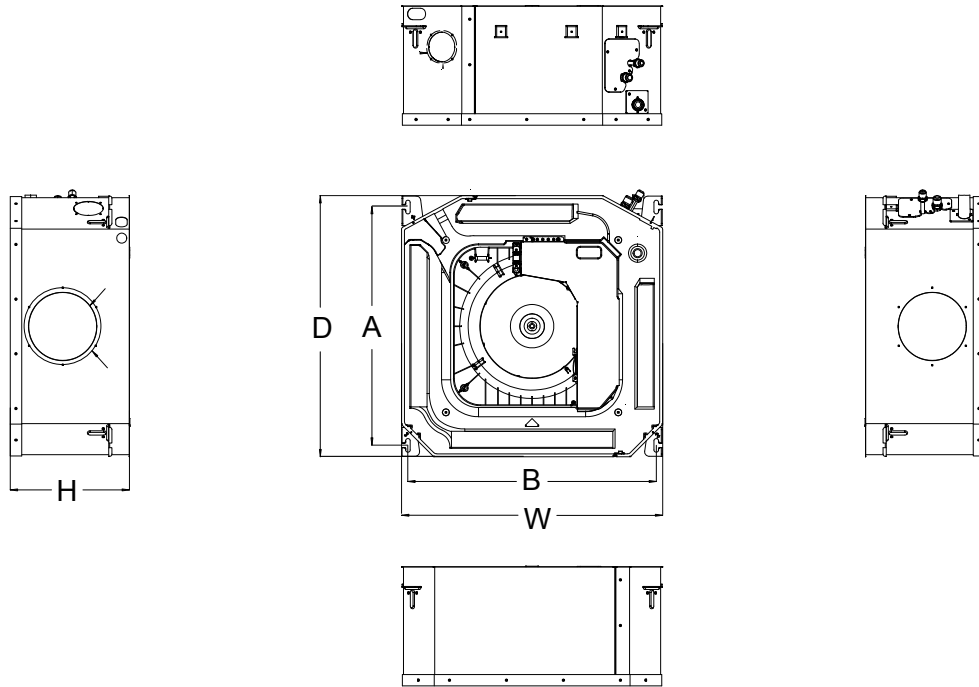
It is strongly encouraged to have a removable service access panel underneath the indoor unit to carry out maintenance and repair.



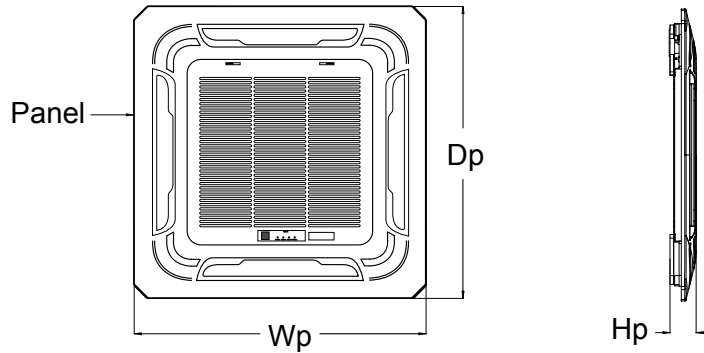
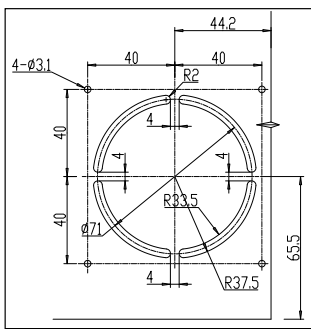
UNIT AND MOUNTING DIMENSIONS

MINI CASSETTE

INDOOR UNITS : MRE-035CS MRE-053CS

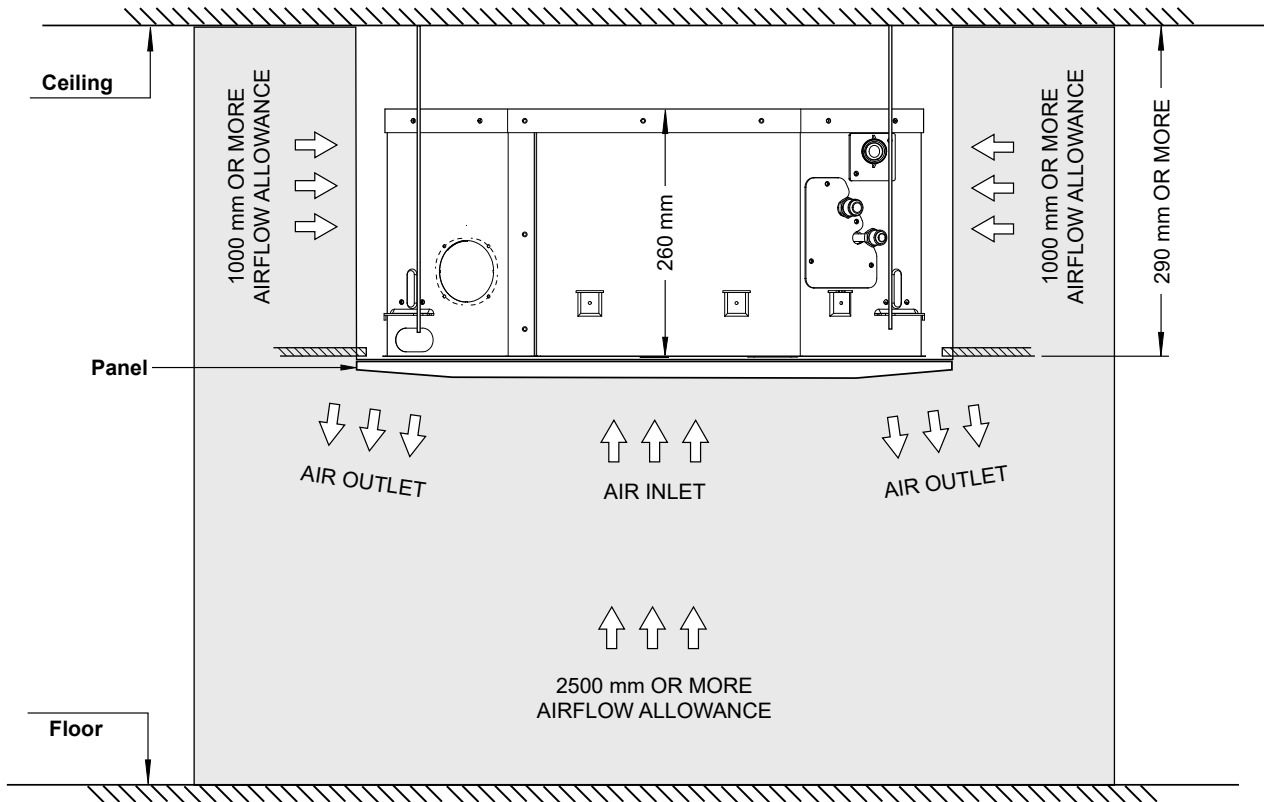


Outside Air Intake Details



| Model Number | Unit Dimensions | | | Panel Dimensions | | | Mounting Dimensions (Centre to Centre) | |
|--------------|-----------------|-----|-----|------------------|-----|-----|--|-----|
| | H | W | D | Hp | Wp | Dp | A | B |
| MRE-035CS | 260 | 570 | 570 | 50 | 647 | 647 | 523 | 545 |
| MRE-053CS | | | | | | | | |

SERVICE ACCESS AREAS / AIRFLOW ALLOWANCES



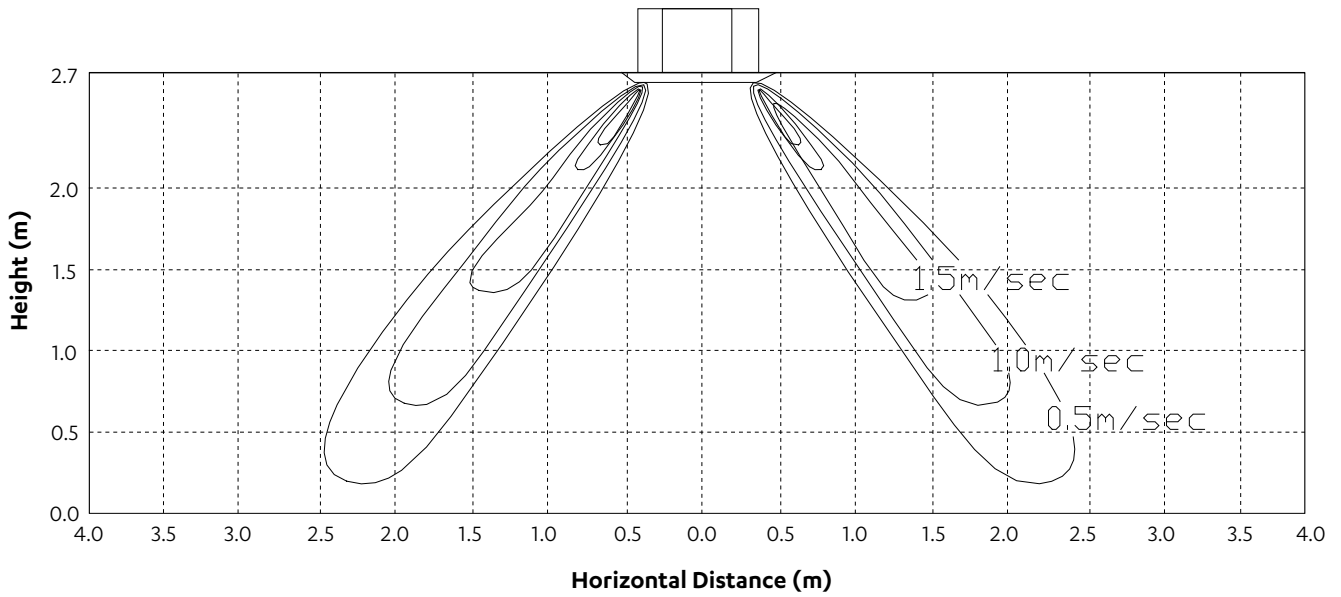
The service areas and airflow allowances mentioned are the minimum requirements to complete minor repairs. Additional space may be required should a major repair need to be undertaken.

OUTDOOR UNITS : MRC-075CS-3

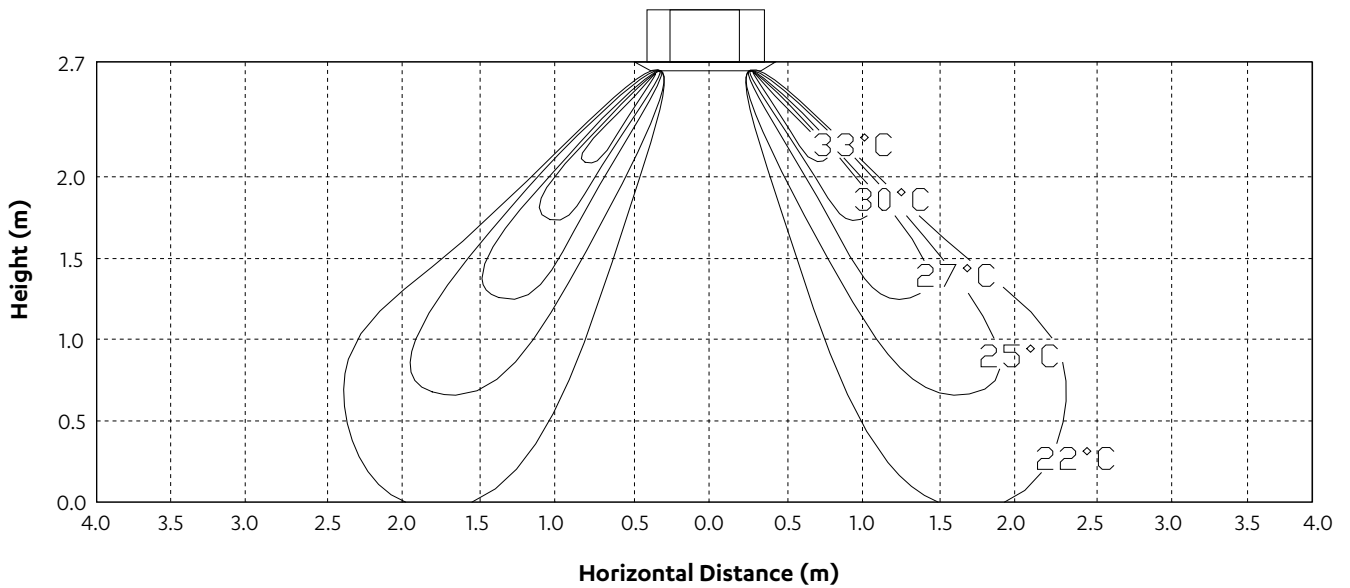
MRC-100CS-4

MRC-120CS-5

AIR VELOCITY DISTRIBUTIONS



TEMPERATURE DISTRIBUTIONS



SPECIFICATIONS

| MODEL NUMBERS | MRC-075CS-3 | MRC-100CS-4 | MRC-120CS-5 |
|--|--------------|---------------------------------|---------------------------------|
| REFRIGERATION SYSTEM | | | |
| REFRIGERANT TYPE | R-32 | | |
| FACTORY CHARGE (grams) | 1850 | 2400 | 2950 |
| PRE-CHARGE LENGTH (m) | 3 x 10 | 4 x 10 | 5 x 10 |
| ADDITIONAL REFRIGERANT CHARGE (g/m) | 12 | 12 | 12 |
| DESIGN PRESSURE - High / Low (Mpa) | 4.3 / 1.7 | | |
| INTERCONNECTING PIPE | | | |
| MAX. LENGTH FOR ALL ROOMS (m) | 60 | 80 | 80 |
| MAX. LENGTH FOR ONE INDOOR UNIT (m) | 30 | 35 | 35 |
| MIN. LENGTH FOR ONE INDOOR UNIT (m) | 9 | 12 | 12 |
| MAX. VERTICAL LENGTH (m) (Included in Max. Pipe Length) | 15 | 15 | 15 |
| FIELD PIPE SIZES | | | |
| LIQUID PIPE - mm (inch) | Ø6.35 (1/4") | Ø6.35 (1/4") | 5Ø6.35 (1/4") |
| GAS PIPE - mm (inch) | Ø9.52 (3/8") | Ø9.52 (3/8") or Ø12.7 (1/2") | Ø9.52 (3/8") or Ø12.7 (1/2") |
| CONNECTION TYPE | Flare Nut | | |

| CABLE SIZE AND CIRCUIT BREAKER SIZE | | | |
|--|----------------|-----------------|-----------------|
| Suggested minimum cable size should be used as a guide only, refer to the latest edition of the AS/NZS 3000 "Australian Wiring Rules" for more details. | | | |
| Cable size recommendation selected in accordance to maximum conductor temperature of 75°C with wiring enclosed in air. | | | |
| Wires, circuit breaker and fuses are NOT supplied with the units, installer has to provide. | | | |
| Total FLA Range | 20.0A and less | >20.0A to 25.0A | >25.0A to 32.0A |
| Outdoor Unit Cable Size of Supply Mains* (mm ²) | 2.5 | 4.0 | 6.0 |
| Unit Cable Size of Outdoor to Indoor (mm ²) | 1.0 | 1.0 | 1.0 |
| Circuit Breaker Size* | 20.0A | 25.0A | 32.0A |
| * Cable Mains and Circuit Breaker size are based on FLA of largest possible outdoor and indoor unit combination. FLA needs to be assessed and selected based on actual installed combination. | | | |

| OPERATING RANGE | | | |
|--|---------|------------------------------------|--------------------------------------|
| It is essential that the unit is correctly sized for the application and operates within its recommended range of operating conditions as shown below. | | | |
| MODE | RANGE | INDOOR OPERATING TEMPERATURE | OUTDOOR AIR INTAKE TEMPERATURE |
| COOLING | Maximum | 32°C DB | 50°C DB |
| | Minimum | 17°C DB | -15°C DB |
| HEATING | Maximum | 30°C DB | 30°C DB |
| | Minimum | 0°C DB | -25°C DB |
| DRY | Maximum | 32°C DB | 50°C DB |
| | Minimum | 10°C DB | 0°C DB |

SPECIFICATIONS

| OUTDOOR MODEL NUMBERS | | MRC-075CS-3 | MRC-100CS-4 | MRC-120CS-5 |
|---------------------------------------|------------------------|--------------------------------|--|--|
| NOMINAL DIMENSIONS | Depth (mm) | 342 | 410 | 410 |
| | Height (mm) | 673 | 810 | 810 |
| | Width (mm) | 890 | 946 | 946 |
| PIPE CONNECTIONS | Liquid Pipe -mm (inch) | 3 x Ø6.35 (1/4") | 4 x Ø6.35 (1/4") | 5 x Ø6.35 (1/4") |
| | Gas Pipe - mm (inch) | 3x Ø9.52 (3/8") | 3 x Ø9.52 (3/8") + 1 x Ø12.7 (1/2") | 4 x Ø9.52 (3/8") + 1 x Ø12.7 (1/2") |
| OUTDOOR COIL | | | | |
| TUBE TYPE | | Copper Ø7mm, inner groove tube | | Copper Ø9.52mm, inner groove tube |
| FIN TYPE | | Hydrophilic Aluminum | | |
| FACE AREA (m ²) | | 0.76 | 0.76 | 0.76 |
| FIN SPACING (mm) | | 1.3 | | 1.4 |
| OUTDOOR FAN | | | | |
| NUMBER OF FANS x TYPE | | 1 x Axial | | |
| INPUT (W) | | 120 | 150 | |
| AIRFLOW (l/s) | | 833 | 1083 | 1097 |
| COMPRESSOR | | | | |
| NUMBER OF FANS x TYPE | | 1 x Twin-Rotary | | |
| STARTING METHOD | | DC Inverter Starter | | |
| INPUT (W) | | 2085 | | 2765 |
| REFRIGERANT OIL (Type / Charge in ml) | | ESTER OIL VG74 / 670 | | ESTER OIL VG74 / 1000 |
| PROTECTION | | IPM Current Protection | | |

| INDOOR MODEL NUMBERS | | WRE-026CS | WRE-035CS | WRE-050CS | WRE-072CS | WRE-085CS |
|--------------------------------------|------------------------|--------------------------------|-----------|-----------------------|--------------|-----------------------|
| NOMINAL DIMENSIONS | Depth (mm) | 225 | | 239 | 297 | 297 |
| | Height (mm) | 295 | | 315 | 370 | 370 |
| | Width (mm) | 795 | | 965 | 1140 | 1140 |
| NOMINAL WEIGHT (kg) | | 10.3 | | 12.3 | 19.7 | |
| PIPE CONNECTIONS | Liquid Pipe -mm (inch) | Ø6.35 (1/4") | | | Ø9.52 (3/8") | |
| | Gas Pipe - mm (inch) | Ø9.52 (3/8") | | Ø12.7 (1/2") | Ø15.9 (5/8") | |
| INDOOR COIL | | | | | | |
| TUBE TYPE | | Copper Ø7mm, inner groove tube | | | | |
| FIN TYPE | | Hydrophilic Aluminum | | | | |
| FACE AREA (m ²) | | 0.20 | | 0.25 | 0.33 | |
| FIN SPACING | | 1.3 mm | | | | |
| INDOOR FAN | | | | | | |
| NUMBER OF FANS x TYPE | | 1 x Cross- flow fan | | | | |
| INPUT (W) | | 50 | | 36 | 58 | |
| FULL LOAD AMPS | | 0.24 | | 0.275 | .40 | |
| AIRFLOW (l/s) -Boost / Hi / Med / Lo | | 250 / 180 / 120 / 100 | | 240 / 201 / 172 / 120 | | 370 / 320 / 230 / 190 |

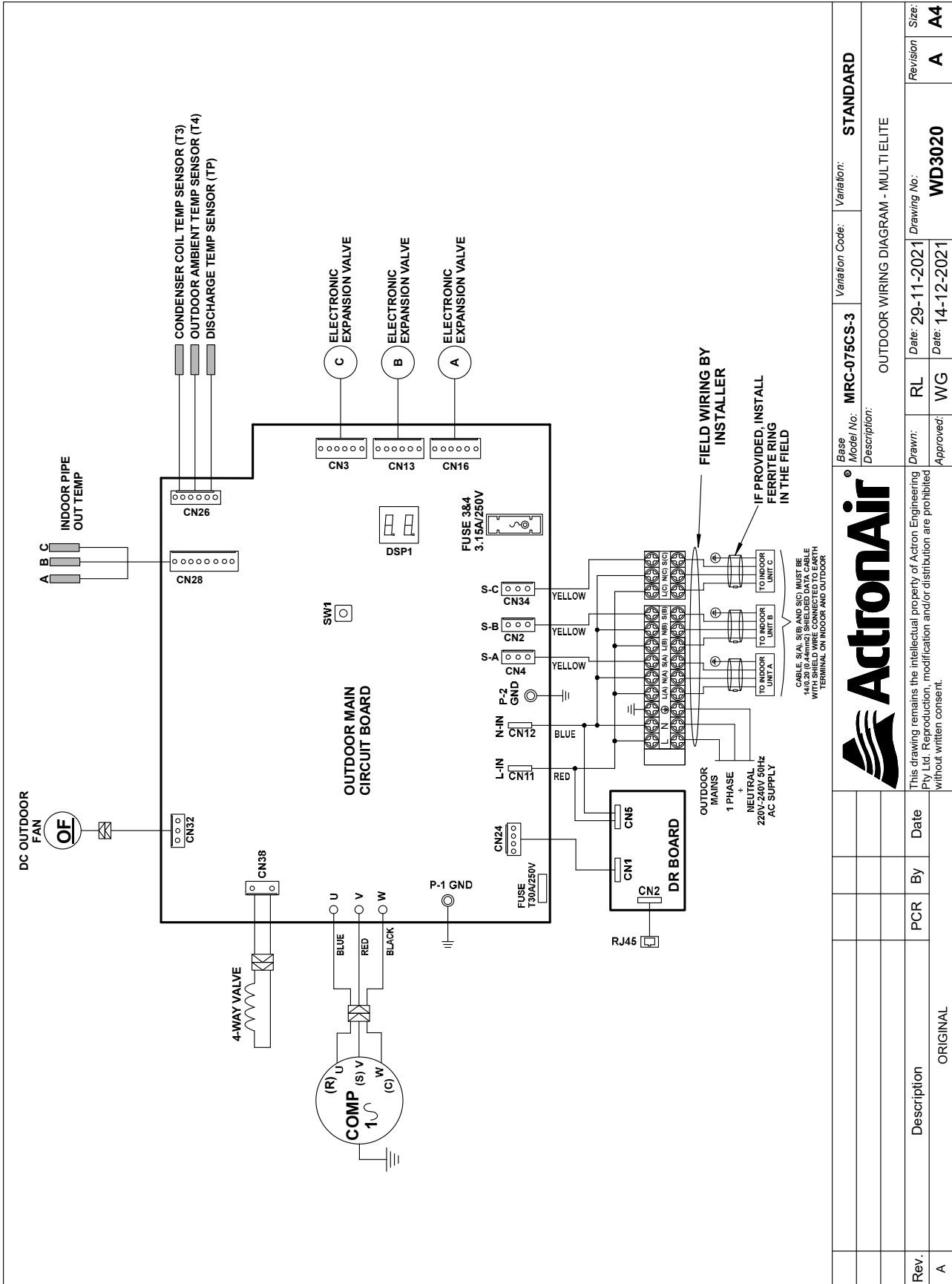
SPECIFICATIONS

| INDOOR MODEL NUMBERS | | BRE-026CS | BRE-035CS | BRE-050CS | BRE-070CS |
|-------------------------------|-------------------------|--------------------------------|----------------|-----------------|--------------|
| NOMINAL DIMENSIONS | Depth (mm) | 506 | | 674 | 774 |
| | Height (mm) | 200 | | 210 | 249 |
| | Width (mm) | 700 | | 880 | 1100 |
| NOMINAL WEIGHT (kg) | | 18.0 | | 24.4 | 32.3 |
| PIPE CONNECTIONS | Liquid Pipe - mm (inch) | Ø6.35 (1/4") | | | Ø9.52 (3/8") |
| | Gas Pipe - mm (inch) | Ø9.52 (3/8") | | Ø12.7 (1/2") | Ø15.9 (5/8") |
| INDOOR COIL | | | | | |
| TUBE TYPE | | Copper Ø7mm, inner groove tube | | | |
| FIN TYPE | | Hydrophilic Aluminum | | | |
| FACE AREA (m ²) | | 0.11 | | 0.18 | 0.27 |
| FIN SPACING | | 1.4 mm | | | |
| INDOOR FAN | | | | | |
| NUMBER OF FANS x TYPE | | 1 x Centrifugal fan | | | |
| INPUT (W) | | 180 | 185 | 200 | |
| FULL LOAD AMPS | | 1.1 | | 1.3 | |
| AIRFLOW (l/s) - Hi / Med / Lo | | 139 / 94 / 64 | 167 / 133 / 83 | 253 / 196 / 143 | |

| INDOOR MODEL NUMBERS | | MRE-035CS | MRE-053CS |
|---|-------------------------|--|-----------------|
| NOMINAL DIMENSIONS | Depth (mm) | 570 | 570 |
| | Height (mm) | 260 | 260 |
| | Width (mm) | 570 | 570 |
| NOMINAL WEIGHT (kg) | | 16.2 | |
| PIPE CONNECTIONS | Liquid Pipe - mm (inch) | Ø6.35 (1/4") | |
| | Gas Pipe - mm (inch) | Ø9.52 (3/8") | Ø12.7 (1/2") |
| INDOOR COIL | | | |
| TUBE TYPE | | Copper Ø7mm, inner groove tube | |
| FIN TYPE | | Hydrophilic Aluminum | |
| FACE AREA (m ²) | | 0.29 | |
| FIN SPACING | | 1.3 mm | |
| INDOOR FAN | | | |
| NUMBER OF FANS x TYPE | | 1 x Centrifugal fan | |
| INPUT (W) | | 45 | |
| FULL LOAD AMPS | | 0.57 | |
| AIRFLOW (l/s) - Hi / Med / Lo | | 171 / 140 / 115 | 189 / 156 / 139 |
| ELECTRICAL CONTROLS | | | |
| DEFROST METHOD | | Reverse Cycle | |
| CONTROL FIELD WIRING - OUTDOOR TO INDOOR (Field Supply) | | 2 Core 14 / 0.20 (0.44mm ²) Shielded Data Cable | |
| WALL CONTROLLER CABLE (Included with Wall Controller) | | 4 Core (0.75mm ²) Shielded Data Cable | |

WIRING DIAGRAM

MRC-075CS-3

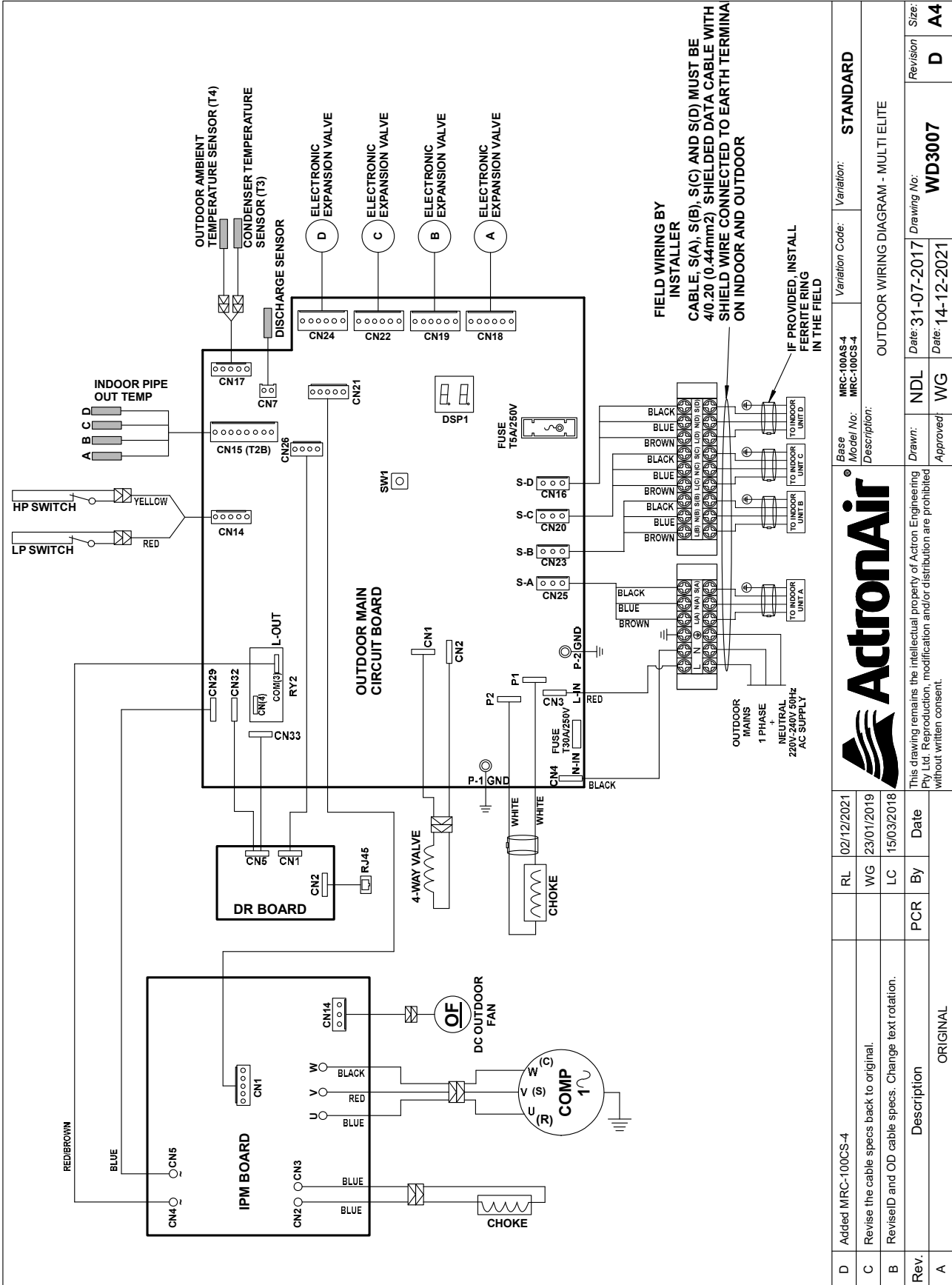


| | | | |
|---|----------------------|--------------------------|--------------------|
| Base Model No: MRC-075CS-3 | | Variation Code: STANDARD | |
| Description: OUTDOOR WIRING DIAGRAM - MULTI ELITE | | | |
| Rev. A | Description ORIGINAL | Drawn: RL | Date: 29-11-2021 |
| | | Approved: WG | Date: 14-12-2021 |
| | | | Drawing No: WD3020 |
| | | | Revision: A |
| | | | Size: A4 |



WIRING DIAGRAM

MRC-100CS-4

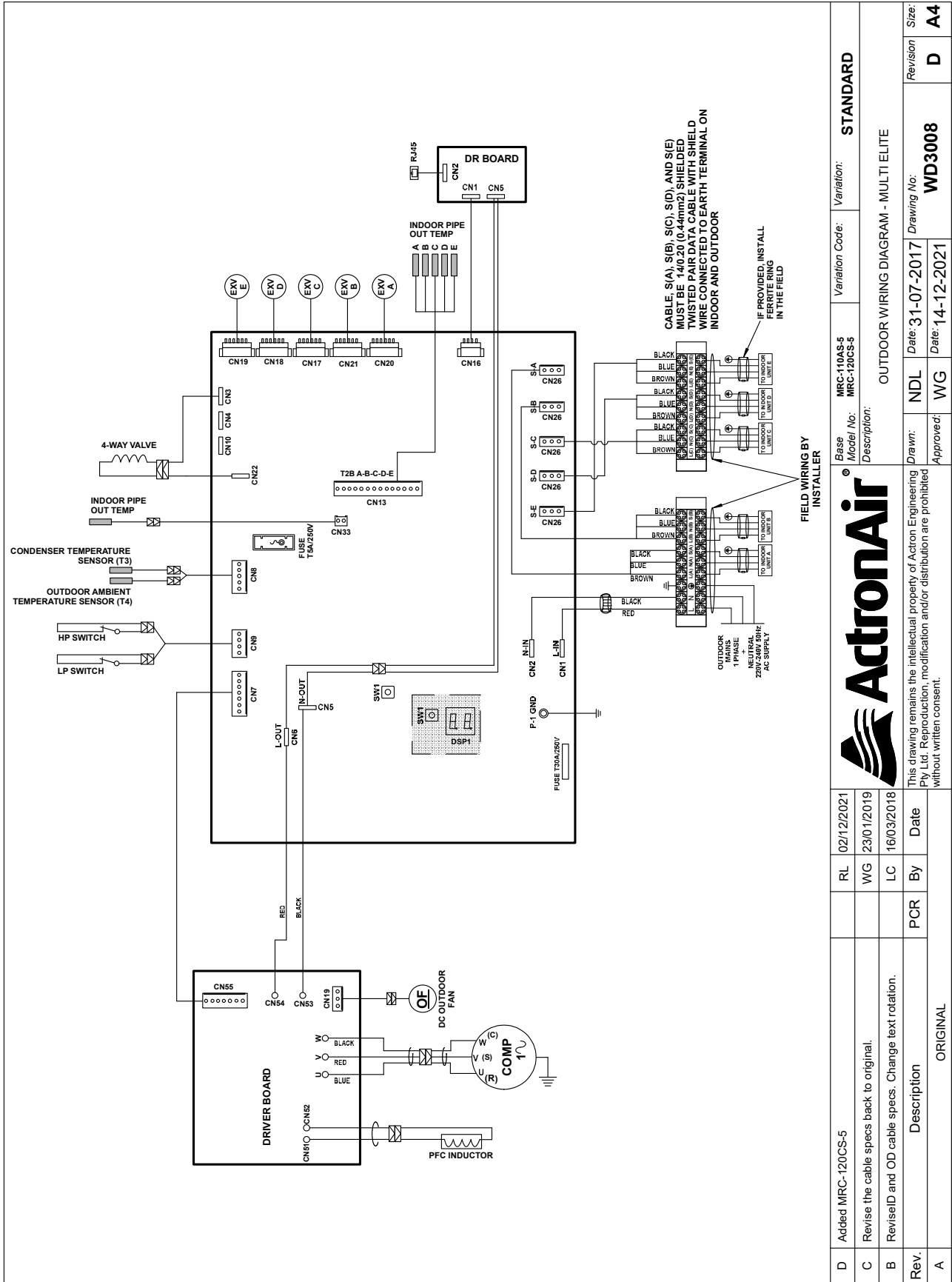


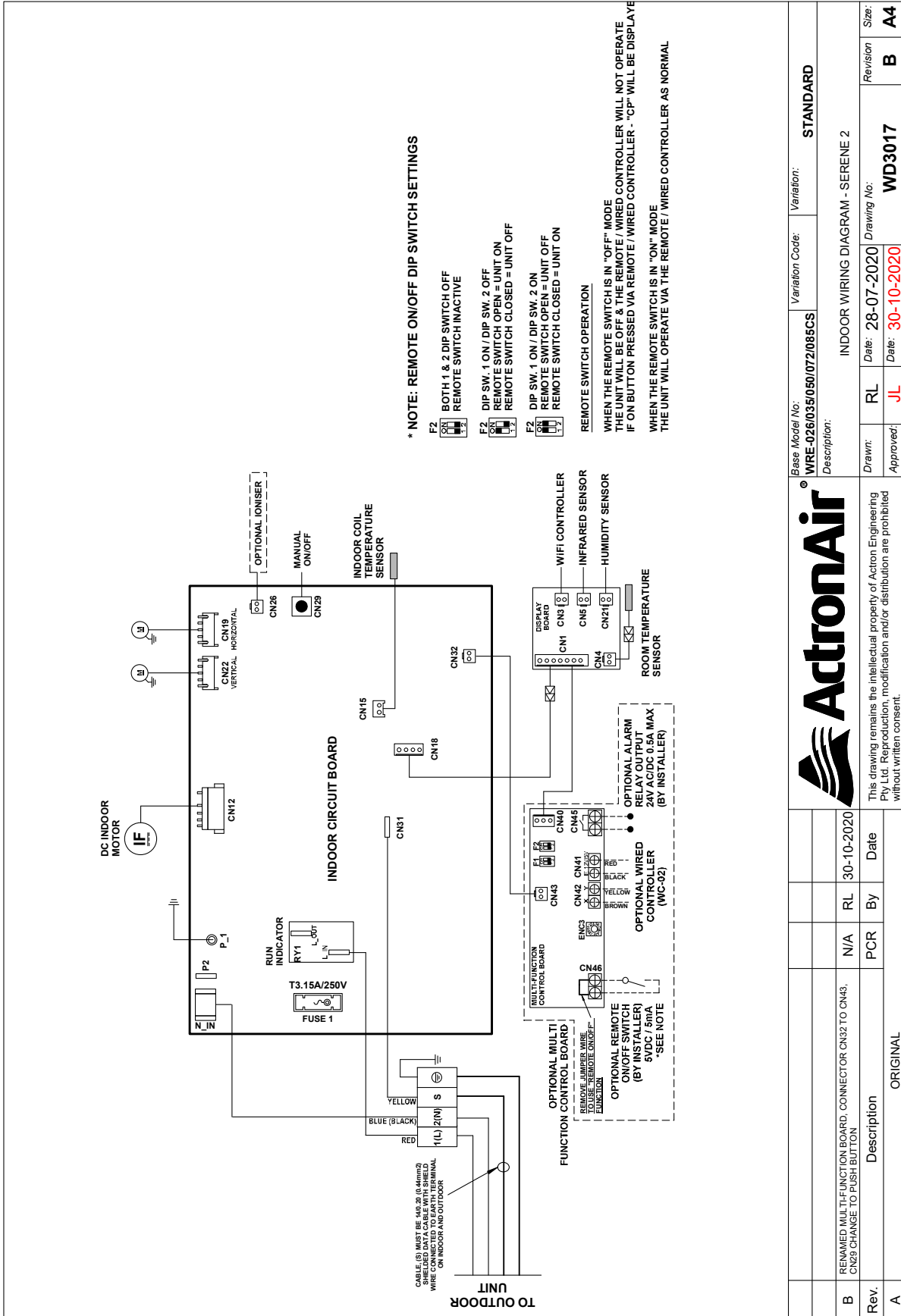
| | | | | | | | |
|------|--|-----|------------|----------------|--------------------------------------|-----------------|----------|
| D | Added MRC-100CS-4 | RL | 02/12/2021 | Base Model No: | MRC-100AS-4 MRC-100CS-4 | Variation Code: | STANDARD |
| C | Revise the cable specs back to original. | WG | 23/01/2019 | Description: | OUTDOOR WIRING DIAGRAM - MULTI ELITE | | |
| B | Revised ID and OD cable specs. Change text rotation. | LC | 15/03/2018 | Drawn: | NDL | Approved: | WG |
| Rev. | Description | PCR | By | Date | Date: | 31-07-2017 | WD3007 |
| A | ORIGINAL | | | | Date: | 14-12-2021 | D |
| | | | | | Revision | D | A4 |



WIRING DIAGRAM

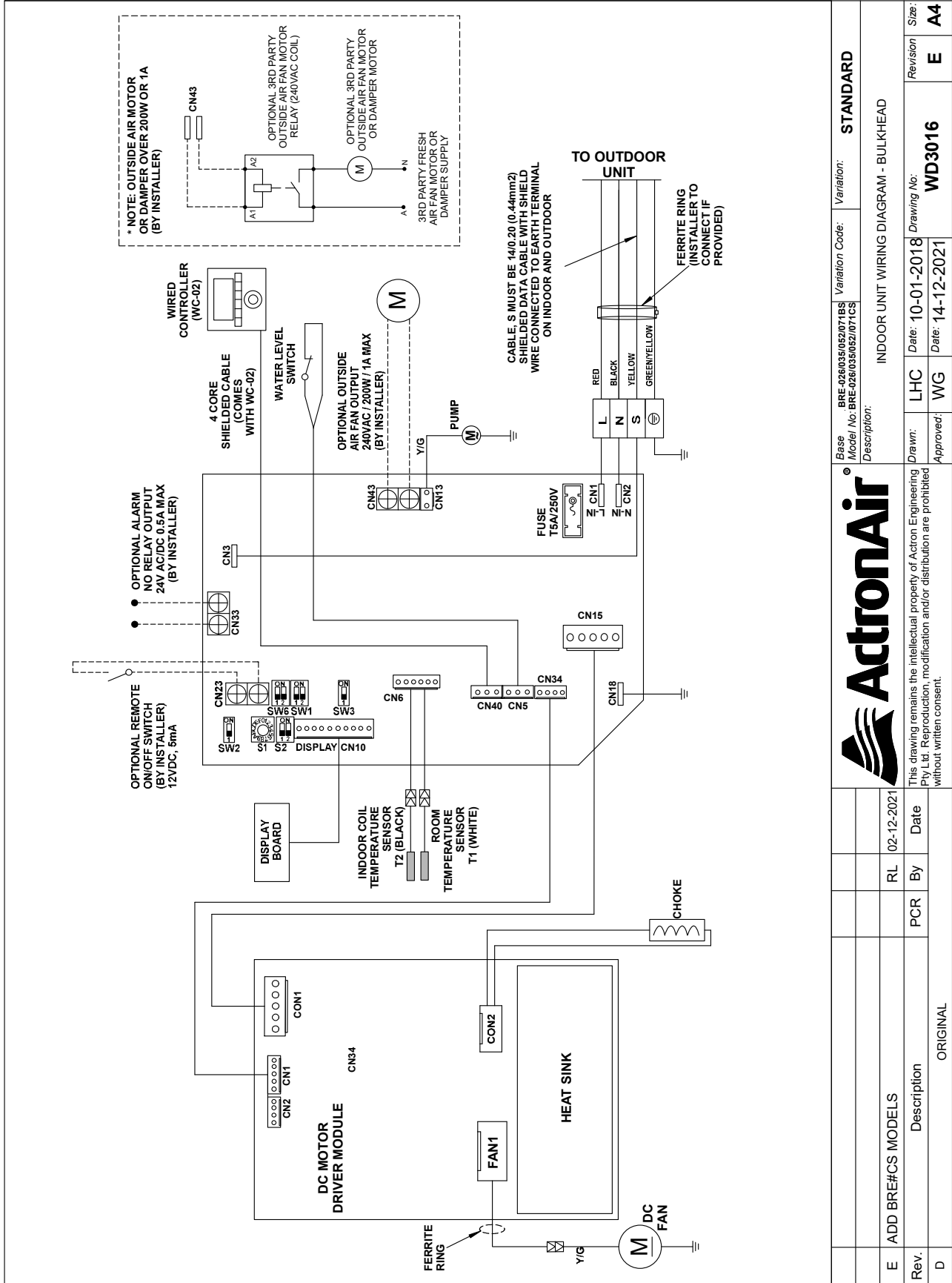
MRC-120CS-5





WIRING DIAGRAM

BULK HEAD



| | | |
|------|--------|---|
| | | Base Model No: BRE-026/035/052/071BS Variation Code: STANDARD Description: INDOOR UNIT WIRING DIAGRAM - BULK HEAD |
| Rev. | E | ADD BRE#CS MODELS |
| Rev. | D | DESCRIPTION ORIGINAL |
| Rev. | RL | 02-12-2021 |
| Rev. | PCR | |
| Rev. | By | |
| Rev. | Date | |
| Rev. | LHC | Date: 10-01-2018 |
| Rev. | WG | Date: 14-12-2021 |
| Rev. | WD3016 | Drawing No: |
| Rev. | E | Revision |
| Rev. | A4 | Size |



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