

Technical Specification for humidry® Product Line

| Specification                   | Conditions                            | BRA-220V                 | BRC-110V                 |
|---------------------------------|---------------------------------------|--------------------------|--------------------------|
| Operation Parameter             | Operation Temperature                 | >0°C ~ 50°C              | >0°C ~ 50°C              |
|                                 | Operation Relative Humidity           | 0%RH ~ 100%RH            | 0%RH ~ 100%RH            |
|                                 | Controlling Relative Humidity         | 40%RH ~ 70%RH            | 40%RH ~ 70%RH            |
| Max Dehumidification Capability | 25°C / 80%RH                          | 7L / Day                 | 7L / Day                 |
|                                 | 25°C / 40%RH                          | 7L / Day                 | 7L / Day                 |
|                                 | 10°C / 80%RH                          | 7L / Day                 | 7L / Day                 |
|                                 | 10°C / 40%RH                          | 7L / Day                 | 7L / Day                 |
| Max Air Flow [CFM]              | —                                     | 100 CFM                  | 100 CFM                  |
| Max Air Flow [m³/h]             | —                                     | 170 m³ / h               | 170 m³ / h               |
| Outlet Air Duct Size            | —                                     | 4" (10 cm)               | 4" (10 cm)               |
| Voltage                         | AC                                    | 200V, 220V<br>230V, 240V | 100V, 110V<br>120V       |
| Frequency                       | Sinusoidal Wave                       | 50Hz / 60Hz              | 50Hz / 60Hz              |
| Maximum Power Consumption       | Standby Monitoring                    | 0.004 kW                 | 0.004 kW                 |
|                                 | Cool Air Dehumidification             | 0.50 kW                  | 0.50 kW                  |
|                                 | Enhanced Dehumidification             | 1.30 kW                  | 1.20 kW                  |
|                                 | Smart Clothes Drying                  | 1.30 kW                  | 1.20 kW                  |
|                                 | Smart Room Heating                    | 1.70 kW                  | 1.50 kW                  |
|                                 | Air Ventilation                       | 0.05 kW                  | 0.05 kW                  |
|                                 | Air Recirculation                     | 0.05 kW                  | 0.05 kW                  |
| Dehumidification Efficiency     | Liters per Kilowatt Hour              | 0.729                    | 0.729                    |
| Typical Sound Level             | Normal (at 3 Meters)                  | 42 dB                    | 42 dB                    |
|                                 | Turbo (at 3 Meters)                   | 47 dB                    | 47 dB                    |
| Filter Type                     | —                                     | Washable / Reusable      | Washable / Reusable      |
| Effective Area                  | Ceiling at 3 Meters                   | 15 m²                    | 15 m²                    |
| Effective Volume                |                                       | 45 m²                    | 45 m²                    |
| Wall Panel/ Remote Control      | —                                     | Yes                      | Yes                      |
| Automation Control              | Physical Layer                        | RS-485                   | RS-485                   |
|                                 | Baud Rate                             | 115,200 bps              | 115,200 bps              |
|                                 | Max. Distance                         | 2,000 meters             | 2,000 meters             |
| Key Component Material Type     | Main Body Encloserer                  | PA + GF30 Thermalplastic | PA + GF30 Thermalplastic |
|                                 | Bottom Panel                          | ABS                      | ABS                      |
|                                 | Heater/Rotor Assembly                 | PET+ GF30 Thermalplastic | PET+ GF30 Thermalplastic |
|                                 | PTC Heater Encloserer                 | PPS Thermalplastic       | PPS Thermalplastic       |
|                                 | Air Valve Assembly                    | PPS Thermalplastic       | PPS Thermalplastic       |
| Dimensions                      | Above Ceiling Portion                 | L434 x W340 x H198 [mm]  | L434 x W340 x H198 [mm]  |
|                                 | Below Ceiling Panel Portion           | L510 x W416 x H42 [mm]   | L510 x W416 x H42 [mm]   |
|                                 | Overall                               | L510 x W416 x H240 [mm]  | L510 x W416 x H240 [mm]  |
| Weight                          | Unit                                  | 7.2 kg                   | 7.2 kg                   |
| Air Duct Requirement            | 4" (10 cm)<br>Insulated Flexible Duct | Required                 | Required                 |
| Ceiling Hole Size               | —                                     | L450 x W350 [mm]         | L450 x W350 [mm]         |