

CELLARCOOL

**220V H.E.  
MAGNUM SERIES  
PRODUCT SHEETS**



# MAGNUM H.E.

220V Condensing Unit (Fully-Ducted)

CELLARCOOL

## FEATURES

- + Durable galvanized housing
- + Quiet and efficient operation
- + Interchangeable evaporator airflow panels
- + Advanced electronic control system
- + Flare fittings for easy installation
- + Standard and 24V thermostat options available.
- + 55°F temp. differential between the cellar & condensing unit air intake temp.



## UNIT SPECS

\*Approximated in an environment that is fully insulated and sealed with a proper vapor barrier. Each wine cellar is unique and has specific cooling requirements. Heat load calculations should always be performed prior to selecting a cooling unit.

### EVAPORATOR

| Model                                                             | 9000                                                                                                                       | 12000         |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------|
| Cellar Size                                                       | 3000 cu. ft.*                                                                                                              | 4000 cu. ft.* |
| BTU/h (60°F condenser air intake temperature)<br>Sensible / Total | 10985 / 11316                                                                                                              | 12147 / 14576 |
| BTU/h (75°F condenser air intake temperature)<br>Sensible / Total | 10711 / 11019                                                                                                              | 12187 / 14256 |
| BTU/h (85°F condenser air intake temperature)<br>Sensible / Total | 10145 / 10786                                                                                                              | 11704 / 13844 |
| dBA                                                               | 52                                                                                                                         | 52            |
| Dimensions                                                        | 29.5"L x 30.9"W x 19.8"H                                                                                                   |               |
| Refrigerant                                                       | R-134a                                                                                                                     |               |
| Voltage Rating                                                    | 120V (15-amp dedicated circuit required)                                                                                   |               |
| Weight (lbs)                                                      | 96                                                                                                                         |               |
| Amps                                                              | 9.2 (Running Amps)                                                                                                         |               |
| Drain Line                                                        | 3/4" ID CPVC                                                                                                               |               |
| Installation                                                      | Evaporator unit can be installed up to 25 duct feet away from the cellar.                                                  |               |
| Thermostat                                                        | Advanced digital display (50-ft. cable), liquid-temperature-measuring bottle probe (50-ft. cable), 24V - customer supplied |               |
| Temp. Delta                                                       | Can maintain a 55°F cellar temperature with up to 120°F condenser air intake temperature                                   |               |
| Warranty                                                          | Two-year limited warranty (parts and labor)                                                                                |               |

### CONDENSER

| Model              | 9000                                                                                      | 12000                       |
|--------------------|-------------------------------------------------------------------------------------------|-----------------------------|
| dBA                | 48                                                                                        | 52                          |
| Dimensions         | 31.18"L x 10.75"W x 21.18"H                                                               | 31.18"L x 10.75"W x 23.25"H |
| Condensing Unit HP | 1HP                                                                                       | 1.5HP                       |
| Voltage Rating     | 220V (15-amp dedicated circuit required)                                                  |                             |
| Weight (lbs)       | 64                                                                                        | 84                          |
| Amps               | LRA 20, RLA 4.25, FLA 4.89                                                                | LRA 23.6, RLA 5.76, FLA 6.6 |
| Line Set           | Liquid line 3/8" OD; Suction line 5/8" OD (less than 50 ft.), 3/4" (greater than 50 ft.)  |                             |
| Installation       | Condensing unit can be installed up to 100 line feet from evaporator unit.                |                             |
| Temp. Delta        | Can maintain a 55°F cellar temperature with up to 120°F condenser air intake temperature. |                             |
| Warranty           | Two-year limited warranty (parts and labor)                                               |                             |

# MAGNUM TWIN H.E.

220V Condensing Unit (Fully-Ducted)

CELLARCOOL

## FEATURES

- + Durable galvanized housing
- + Quiet and efficient operation
- + Interchangeable evaporator airflow panels
- + Advanced electronic control system
- + Flare fittings for easy installation
- + Standard and 24V thermostat options available.
- + 55°F temp. differential between the cellar & condensing unit air intake temp.



## UNIT SPECS

\*Approximated in an environment that is fully insulated and sealed with a proper vapor barrier. Each wine cellar is unique and has specific cooling requirements. Heat load calculations should always be performed prior to selecting a cooling unit.

### EVAPORATOR

| Model                                                             | 18000                                                                                                                      | 24000         |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------|
| Cellar Size                                                       | 5000 cu. ft.*                                                                                                              | 7500 cu. ft.* |
| BTU/h (60°F condenser air intake temperature)<br>Sensible / Total | 15513 / 18250                                                                                                              | 22893 / 26933 |
| BTU/h (75°F condenser air intake temperature)<br>Sensible / Total | 14582 / 17155                                                                                                              | 21977 / 25856 |
| BTU/h (85°F condenser air intake temperature)<br>Sensible / Total | 13806 / 16243                                                                                                              | 21519 / 25317 |
| dBA                                                               | 58                                                                                                                         | 58            |
| Dimensions                                                        | 29.5"L x 30.9"W x 19.8"H                                                                                                   |               |
| Refrigerant                                                       | R-134a                                                                                                                     |               |
| Voltage Rating                                                    | 120V (15-amp dedicated circuit required)                                                                                   |               |
| Weight (lbs)                                                      | 96                                                                                                                         |               |
| Amps                                                              | 9.2 (Running Amps)                                                                                                         |               |
| Drain Line                                                        | 3/4" ID CPVC                                                                                                               |               |
| Installation                                                      | Evaporator unit can be installed up to 25 duct feet away from the cellar.                                                  |               |
| Thermostat                                                        | Advanced digital display (50-ft. cable), liquid-temperature-measuring bottle probe (50-ft. cable), 24V - customer supplied |               |
| Temp. Delta                                                       | Can maintain a 55°F cellar temperature with up to 120°F condenser air intake temperature                                   |               |
| Warranty                                                          | Two-year limited warranty (parts and labor)                                                                                |               |

### CONDENSER

| Model              | 18000                                                                                     | 24000                                    |
|--------------------|-------------------------------------------------------------------------------------------|------------------------------------------|
| dBA                | 52                                                                                        | 58                                       |
| Dimensions         | 31.18"L x 10.75"W x 23.25"H                                                               | 35.25"L x 12"W x 33.7"H                  |
| Condensing Unit HP | 2HP                                                                                       | 3HP                                      |
| Voltage Rating     | 220V (15-amp dedicated circuit required)                                                  | 220V (25-amp dedicated circuit required) |
| Weight (lbs)       | 116                                                                                       | 171                                      |
| Amps               | LRA 37, RLA 6.5, FLA 7.56                                                                 | LRA 46.6, RLA 11.39, FLA 13              |
| Line Set           | Liquid line 3/8" OD; Suction line 5/8" OD (less than 50 ft.), 3/4" (greater than 50 ft.)  |                                          |
| Installation       | Condensing unit can be installed up to 100 line feet from evaporator unit.                |                                          |
| Temp. Delta        | Can maintain a 55°F cellar temperature with up to 120°F condenser air intake temperature. |                                          |
| Warranty           | Two-year limited warranty (parts and labor)                                               |                                          |