



MH1WC4W-06-1-B Chilled/Hot Water 1-Way Cassette Fan Coil

4-Pipe Heat / Cool Fan Coil 18,000 BTUH

*These specifications are subject to change without notice.
Check www.multiaqua.com for latest published information.*

Rev. 1.11



HVAC Guide Specifications

Chilled and Hot Water Cassette Fan Coil

4-Pipe

Nominal Size:

18,000 BTUH

MultiAqua Model Number:

MH1WC4W-06-1-B

Part 1 - General

1.01 System Description:

MultiAqua Chilled Water Fan Coils are manufactured with galvanized steel and high impact molded polymers.

1.02 Quality Assurance:

- A. ETL certified in accordance with U.L. Standard 95, latest version (U.S.A.).
- B. Manufactured in a facility registered to ISO 9002, Manufacturing Quality Standard.
- C. Fully load tested at the factory.
- D. Damage resistant packaging.

1.03 Delivery, Storage and Handling:

- A. Packaged and readied for shipment from the factory.
- B. Controls shall be capable of withstanding 150°F storage temperatures in the control compartment.

Part 2 - Product

2.01 Equipment:

- A. General:
 1. Unit shall be a factory assembled and tested water fan coil.
 2. Unit shall be assembled with high quality.
 3. Contained within the unit shall be all factory wiring, piping, and associated controls.
- B. Unit Cabinet and Cover:
 1. Cabinet is constructed of galvanized sheet metal.
 2. Cover composed of high impact polymers.
 3. Internally and externally insulated to ensure quiet operation.
- C. Fan Motor and Blower Wheel:
 1. Available in 208/230-1-50/60 VAC.
 2. Fan motor shall be three speed, direct drive, and PSC type.
 3. Fan motor shall be totally enclosed.
 4. Fan motor shall be internal overload protected.
 5. Radial blower wheel is dynamically balanced.
- D. Air Distribution:
 1. Unit contains one automatic discharge air louver.
- E. Water Coils:
 1. Manufactured with water coils containing copper tubing mechanically bonded to aluminum fins.
 2. Coils are factory tested to 300 psig.
 3. Maximum design operating pressure shall not exceed 200 psig.
 4. Coils are designed to accept an entering water temperature not to exceed 180°F.
 5. Both coils are equipped with manual air bleed ports which drain into the units internal drain pan.
 6. Secondary coil is in the re-heat position.

- F. Drain Pan:
 - 1. Constructed of galvanized steel with baked on polyester powder coating and closed cell insulation.
 - 2. Unit contains internal lift pump and drain pan float switch designed for evacuating condensate to the fan coil unit drain port level only.
- G. Filters:
 - 1. Unit shall contain two woven panel washable filter.
- H. Fresh Air:
 - 1. Unit shall be able to receive up to 10% filtered fresh air.
 - 2. Fresh air introduced shall be externally fan forced and externally controlled.

Part 3 - Controls and Safeties

3.01 Controls:

- A. Fan coils are factory wired and tested.
- B. Fan coil includes a terminal block that is capable of incorporating a 24 VAC, field supplied thermostat.

3.02 Safeties:

- A. Fan coil contains a replaceable fuse on the low voltage side of the transformer.
- B. Coils shall be designed to accept an entering water temperature not to exceed 180°F

Part 4 - Operating Characteristics

4.01 Electrical Requirements

- A. Electrical line voltage connections shall be made at the factory supplied terminal block.
- B. Factory wiring shall be rated according to UL listing at the time of manufacturing.

4.02 Installation in high ambient/high humidity environments

- A. Cabinets are internally insulated from the factory. However, if these units are installed in high ambient/high humidity environments, additional field installed external cabinet insulation may be required.

Part 5- Definitions

5.01 Abbreviations:

- CFM = Cubic Feet per Minute
- DB = Dry Bulb Temperature
- EWT = Entering Water Temperature
- GPM = US Gallons Per Minute
- MBH = BTU X 1000
- SC = Sensible Cooling
- TC = Total Cooling = Sensible + Latent
- WB = Wet Bulb Temperature
- WPD = Water Pressure Drop in Feet of Head
- dB = Decibel Level
- m = Meter
- In = Inches
- FP I= Fins per Inch
- OD = Outside Diameter
- ID = Inside Diameter
- MCA = Minimum Circuit Amps
- MOP = Maximum Over current Protection
- lbs. = Pounds U.S.

5.02 Measurements

- A. All measurements with regard to length, width, and height shall be in inches.

MH1WC4W-06-1-B Product Specifications

| Physical Data | | | | | | | |
|----------------|---------------|-------------------------|------------------------|------------------|------------------|-------------------------|--------------|
| Model Number | Weight (lbs.) | Cabinet Dimensions (in) | Cover Dimensions (in) | Cooling Rows FPI | Heating Rows FPI | Water Inlet/Outlet (in) | Drain (in) |
| MH1WC4W-06-1-B | 88.18 | 33.75 x 19.50 x 10.50 * | 41.50 x 22.83 x 1.00 * | 3/14 | 1/14 | 3/4 FPT | ¾ Hose Conn. |

* See IOM for dimensional drawings.

| Electrical Data* | | | | | | |
|------------------|-----|--------------------|-------------|----------------|--|-----|
| Model Number | CFM | Volts/Phase/Hertz | Motor Watts | Full Load Amps | Fuse or HACR Circuit Breaker or Glass Fuse Per Circuit | |
| | | | | | MCA | MOP |
| MH1WC4W-06-1-B | 471 | 208/230-1 50/60 | 115 | .50 | .63 | 1 |

*All Electric Data Shown is at 60 Hz

MH1WC4W-06-1-B Chilled Water Performance Data (PRIMARY COIL COOLING)

| MH1WC4W-06-1-B COOLING CAPACITIES (Primary Coil) | | | | |
|---|-------------|------|------------------------------|---------------------|
| CFM | EWT (°F) | GPM | ENTERING AIR TEMPERATURE (F) | |
| | | | | 80° D.B. / 67° W.B. |
| *471 | 42° | 1.50 | TC | 12474 |
| | | | SC | 10272 |
| | | | WPD | 2.1 |
| | | 2.50 | TC | 15962 |
| | | | SC | 11796 |
| | | | WPD | 5.7 |
| | | 3.00 | TC | 17211 |
| | | | SC | 12317 |
| | | | WPD | 8.0 |
| | | 4.00 | TC | 19066 |
| | | | SC | 13092 |
| | | | WPD | 13.7 |

***High Speed**

| MH1WC4W-06-1-B COOLING CAPACITIES (Primary Coil) | | | | |
|---|-------------|------|------------------------------|---------------------|
| CFM | EWT (°F) | GPM | ENTERING AIR TEMPERATURE (F) | |
| | | | | 80° D.B. / 67° W.B. |
| *471 | 45° | 1.50 | TC | 11287 |
| | | | SC | 9751 |
| | | | WPD | 2.1 |
| | | 2.50 | TC | 14290 |
| | | | SC | 11121 |
| | | | WPD | 5.7 |
| | | 3.00 | TC | 15401 |
| | | | SC | 11576 |
| | | | WPD | 8.0 |
| | | 4.00 | TC | 17036 |
| | | | SC | 12253 |
| | | | WPD | 13.6 |

***High Speed**

MH1WC4W-06-1-B Hot Water Performance Data (PRIMARY COIL HEATING)

MH1WC4W-06-1-B HOT WATER CAPACITIES (Primary Coil)

| ENTERING AIR (°F) | NOMINAL CFM | GPM | WPD | ENTERING WATER TEMPERATURE (°F) | | | | | | | | | |
|-------------------|-------------|------|-----|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
| 50° | *471 | .75 | .5 | 9205 | 11546 | 13916 | 16313 | 18732 | 21169 | 23623 | 26089 | 28532 | 30908 |
| | | 1.00 | 1.0 | 10724 | 13472 | 16256 | 19072 | 21916 | 24735 | 27509 | 30284 | 33059 | 35830 |
| | | 1.25 | 1.7 | 11865 | 14914 | 18004 | 21088 | 24136 | 27190 | 30248 | 33308 | 36368 | 39427 |
| | | 1.50 | 2.3 | 12740 | 16018 | 19270 | 22519 | 25778 | 29043 | 32313 | 35585 | 38859 | 42132 |

MH1WC4W-06-1-B HOT WATER CAPACITIES (Primary Coil)

| ENTERING AIR (°F) | NOMINAL CFM | GPM | WPD | ENTERING WATER TEMPERATURE (°F) | | | | | | | | | |
|-------------------|-------------|------|-----|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
| 60° | *471 | .75 | .5 | 6993 | 9323 | 11684 | 14071 | 16481 | 18910 | 21356 | 23815 | 26209 | 28585 |
| | | 1.00 | 1.0 | 8123 | 10856 | 13626 | 16429 | 19260 | 22038 | 24809 | 27582 | 30354 | 33125 |
| | | 1.25 | 1.7 | 8970 | 12002 | 15074 | 18123 | 21166 | 24215 | 27269 | 30325 | 33382 | 36439 |
| | | 1.50 | 2.3 | 9619 | 12873 | 16103 | 19345 | 22597 | 25857 | 29122 | 32390 | 35660 | 38930 |

MH1WC4W-06-1-B HOT WATER CAPACITIES (Primary Coil)

| ENTERING AIR (°F) | NOMINAL CFM | GPM | WPD | ENTERING WATER TEMPERATURE (°F) | | | | | | | | | |
|-------------------|-------------|------|-----|---------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
| 70° | *471 | .75 | .5 | 4756 | 7078 | 9430 | 11808 | 14210 | 16632 | 19070 | 21498 | 23878 | 26255 |
| | | 1.00 | 1.0 | 5499 | 8219 | 10976 | 13766 | 16568 | 19333 | 22102 | 24872 | 27643 | 30412 |
| | | 1.25 | 1.7 | 6055 | 9070 | 12122 | 15150 | 18188 | 21233 | 24283 | 27336 | 30391 | 33445 |
| | | 1.50 | 2.3 | 6480 | 9704 | 12927 | 16163 | 19410 | 22664 | 25925 | 29190 | 32456 | 35724 |

MH1WC4W-06-1-B HOT WATER CAPACITIES (Primary Coil)

| ENTERING AIR (°F) | NOMINAL CFM | GPM | WPD | ENTERING WATER TEMPERATURE (°F) | | | | | | | | | |
|-------------------|-------------|------|-----|---------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | | | | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
| 80° | *471 | .75 | .5 | 2497 | 4811 | 7155 | 9525 | 11920 | 14334 | 16767 | 19159 | 21539 | 23916 |
| | | 1.00 | 1.0 | 2854 | 5561 | 8306 | 11084 | 13856 | 16619 | 19386 | 22154 | 24924 | 27692 |
| | | 1.25 | 1.7 | 3120 | 6119 | 9144 | 12168 | 15201 | 18242 | 21289 | 24340 | 27392 | 30445 |
| | | 1.50 | 2.3 | 3322 | 6527 | 9743 | 12973 | 16215 | 19465 | 22721 | 25982 | 29246 | 32511 |

*High Speed

MH1WC4W-06-1-B Chilled Water Performance Data (SECONDARY COIL COOLING)

| MH1WC4W-06-1-B COOLING CAPACITIES (Secondary Coil) | | | | |
|---|-------------|------|------------------------------|---------------------|
| CFM | EWT (°F) | GPM | ENTERING AIR TEMPERATURE (F) | |
| | | | | 80° D.B. / 67° W.B. |
| *471 | 42° | 1.00 | TC | 6015 |
| | | | SC | 5452 |
| | | | WPD | 6.5 |
| | | 1.25 | TC | 6632 |
| | | | SC | 5791 |
| | | | WPD | 9.8 |
| | | 1.50 | TC | 7162 |
| | | | SC | 6040 |
| | | | WPD | 13.8 |
| | | 1.75 | TC | 7614 |
| | | | SC | 6230 |
| | | | WPD | 18.3 |

***High Speed**

| MH1WC4W-06-1-B COOLING CAPACITIES (Secondary Coil) | | | | |
|---|-------------|------|------------------------------|---------------------|
| CFM | EWT (°F) | GPM | ENTERING AIR TEMPERATURE (F) | |
| | | | | 80° D.B. / 67° W.B. |
| *471 | 45° | 1.00 | TC | 5445 |
| | | | SC | 5125 |
| | | | WPD | 6.5 |
| | | 1.25 | TC | 5967 |
| | | | SC | 5462 |
| | | | WPD | 9.8 |
| | | 1.50 | TC | 6380 |
| | | | SC | 5699 |
| | | | WPD | 13.7 |
| | | 1.75 | TC | 6736 |
| | | | SC | 5870 |
| | | | WPD | 18.2 |

***High Speed**

MH1WC4W-06-1-B Hot Water Performance Data (SECONDARY COIL HEATING – Reheat Position)

MH1WC4W-06-1-B HOT WATER CAPACITIES (Secondary Coil)

| ENTERING AIR (°F) | NOMINAL CFM | GPM | WPD | ENTERING WATER TEMPERATURE (°F) | | | | | | | | | |
|-------------------|-------------|------|------|---------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
| 50° | *471 | .75 | 3.6 | 6293 | 7842 | 9404 | 10977 | 12558 | 15180 | 16882 | 18587 | 20294 | 22002 |
| | | 1.00 | 6.2 | 6883 | 8583 | 10296 | 12019 | 13751 | 16646 | 18514 | 20385 | 22258 | 24132 |
| | | 1.25 | 9.3 | 7289 | 9091 | 10906 | 12731 | 14565 | 17638 | 19616 | 21596 | 23580 | 25564 |
| | | 1.50 | 12.5 | 7589 | 9466 | 11355 | 13253 | 15160 | 18360 | 20417 | 22476 | 23538 | 26601 |

MH1WC4W-06-1-B HOT WATER CAPACITIES (Secondary Coil)

| ENTERING AIR (°F) | NOMINAL CFM | GPM | WPD | ENTERING WATER TEMPERATURE (°F) | | | | | | | | | |
|-------------------|-------------|------|------|---------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | | | | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
| 60° | *471 | .75 | 3.6 | 4799 | 6342 | 7897 | 9464 | 11040 | 13541 | 15239 | 16941 | 18645 | 20350 |
| | | 1.00 | 6.2 | 5236 | 6929 | 8635 | 10352 | 12079 | 14839 | 16702 | 18569 | 20439 | 22310 |
| | | 1.25 | 9.3 | 5538 | 7333 | 9140 | 10959 | 12787 | 15716 | 17690 | 19667 | 21647 | 23628 |
| | | 1.50 | 12.5 | 5760 | 7629 | 9511 | 11404 | 13305 | 16355 | 18408 | 20464 | 22522 | 24583 |

MH1WC4W-06-1-B HOT WATER CAPACITIES (Secondary Coil)

| ENTERING AIR (°F) | NOMINAL CFM | GPM | WPD | ENTERING WATER TEMPERATURE (°F) | | | | | | | | | |
|-------------------|-------------|------|------|---------------------------------|------|------|------|-------|-------|-------|-------|-------|-------|
| | | | | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
| 70° | *471 | .75 | 3.6 | 3927 | 4834 | 6384 | 7946 | 9517 | 11897 | 13592 | 15290 | 16992 | 18695 |
| | | 1.00 | 6.2 | 4312 | 5270 | 6970 | 8681 | 10402 | 13027 | 14887 | 16751 | 18617 | 20486 |
| | | 1.25 | 9.3 | 4356 | 5569 | 7371 | 9183 | 11006 | 13792 | 15761 | 17735 | 19712 | 21691 |
| | | 1.50 | 12.5 | 4457 | 5790 | 7665 | 9551 | 11447 | 14348 | 16397 | 18450 | 20505 | 22563 |

MH1WC4W-06-1-B HOT WATER CAPACITIES (Secondary Coil)

| ENTERING AIR (°F) | NOMINAL CFM | GPM | WPD | ENTERING WATER TEMPERATURE (°F) | | | | | | | | | |
|-------------------|-------------|------|------|---------------------------------|------|------|------|------|-------|-------|-------|-------|-------|
| | | | | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
| 80° | *471 | .75 | 3.6 | 2091 | 3320 | 4865 | 6421 | 7988 | 10247 | 11939 | 13635 | 15334 | 17035 |
| | | 1.00 | 6.2 | 2275 | 3606 | 5300 | 7006 | 8721 | 11212 | 13068 | 14929 | 16793 | 18659 |
| | | 1.25 | 9.3 | 2296 | 3802 | 5597 | 7404 | 9221 | 11864 | 13830 | 15800 | 17774 | 19751 |
| | | 1.50 | 12.5 | 2344 | 3946 | 5815 | 7696 | 9586 | 12339 | 14384 | 16433 | 18486 | 20541 |

*High Speed3320

MH1WC4W-06-1-B Chilled Water Performance Data (BOTH COILS COOLING)

| MH1WC4W-06-1-B COOLING CAPACITIES (Both Coils) | | | | |
|---|-------------|------|------------------------------|---------------------|
| CFM | EWT (°F) | GPM | ENTERING AIR TEMPERATURE (F) | |
| | | | | 80° D.B. / 67° W.B. |
| *471 | 42° | 1.50 | TC | 13098 |
| | | | SC | 10793 |
| | | | WPD | 1.1 |
| | | 2.50 | TC | 16925 |
| | | | SC | 12475 |
| | | | WPD | 3.5 |
| | | 3.00 | TC | 18306 |
| | | | SC | 13058 |
| | | | WPD | 4.8 |
| | | 4.00 | TC | 20397 |
| | | | SC | 13944 |
| | | | WPD | 8.2 |

***High Speed**

| MH1WC4W-06-1-B COOLING CAPACITIES (Both Coils) | | | | |
|---|-------------|------|------------------------------|---------------------|
| CFM | EWT (°F) | GPM | ENTERING AIR TEMPERATURE (F) | |
| | | | | 80° D.B. / 67° W.B. |
| *471 | 45° | 1.50 | TC | 11891 |
| | | | SC | 10244 |
| | | | WPD | 1.1 |
| | | 2.50 | TC | 15207 |
| | | | SC | 11762 |
| | | | WPD | 3.4 |
| | | 3.00 | TC | 16413 |
| | | | SC | 12272 |
| | | | WPD | 4.8 |
| | | 4.00 | TC | 18256 |
| | | | SC | 13041 |
| | | | WPD | 8.1 |

***High Speed**

MH1WC4W-06-1-B Hot Water Performance Data (BOTH COILS HEATING)

| MH1WC4W-06-1-B HOT WATER CAPACITIES (Both Coils) | | | | | | | | | | | | | |
|---|-------------|------|-----|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ENTERING AIR (°F) | NOMINAL CFM | GPM | WPD | ENTERING WATER TEMPERATURE (°F) | | | | | | | | | |
| | | | | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
| 50° | *471 | .75 | .4 | 9392 | 11741 | 14215 | 16658 | 19122 | 21603 | 24099 | 26607 | 29124 | 31647 |
| | | 1.00 | .6 | 11063 | 13897 | 16767 | 19669 | 22597 | 25549 | 28520 | 31502 | 34401 | 37278 |
| | | 1.25 | 1.0 | 12329 | 15500 | 18711 | 21958 | 25235 | 28510 | 31713 | 34917 | 38121 | 41322 |
| | | 1.50 | 1.4 | 13313 | 16742 | 20213 | 23719 | 27167 | 30607 | 34051 | 37498 | 40944 | 44389 |
| MH1WC4W-06-1-B HOT WATER CAPACITIES (Both Coils) | | | | | | | | | | | | | |
| ENTERING AIR (°F) | NOMINAL CFM | GPM | WPD | ENTERING WATER TEMPERATURE (°F) | | | | | | | | | |
| | | | | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
| 60° | *471 | .75 | .4 | 7123 | 9471 | 11935 | 14369 | 16824 | 19298 | 21787 | 24288 | 26799 | 29317 |
| | | 1.00 | .6 | 8378 | 11199 | 14055 | 16944 | 19860 | 22801 | 25761 | 28707 | 31586 | 34462 |
| | | 1.25 | 1.0 | 9320 | 12473 | 15667 | 18898 | 22160 | 25390 | 28589 | 31790 | 34991 | 38190 |
| | | 1.50 | 1.4 | 10049 | 13458 | 16910 | 20386 | 23814 | 27249 | 30688 | 34131 | 37574 | 41016 |
| MH1WC4W-06-1-B HOT WATER CAPACITIES (Both Coils) | | | | | | | | | | | | | |
| ENTERING AIR (°F) | NOMINAL CFM | GPM | WPD | ENTERING WATER TEMPERATURE (°F) | | | | | | | | | |
| | | | | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
| 70° | *471 | .75 | .4 | 4837 | 7230 | 9631 | 12058 | 14506 | 16973 | 19455 | 21951 | 24456 | 26969 |
| | | 1.00 | .6 | 5669 | 8477 | 11321 | 14198 | 17103 | 20033 | 22983 | 25886 | 28764 | 31640 |
| | | 1.25 | 1.0 | 6287 | 9424 | 12602 | 15818 | 19064 | 22262 | 25458 | 28656 | 31855 | 35053 |
| | | 1.50 | 1.4 | 6765 | 10155 | 13589 | 17031 | 20453 | 23883 | 27319 | 30758 | 34198 | 37638 |
| MH1WC4W-06-1-B HOT WATER CAPACITIES (Both Coils) | | | | | | | | | | | | | |
| ENTERING AIR (°F) | NOMINAL CFM | GPM | WPD | ENTERING WATER TEMPERATURE (°F) | | | | | | | | | |
| | | | | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
| 80° | *471 | .75 | .4 | 2534 | 4911 | 7306 | 9726 | 12167 | 14628 | 17105 | 19595 | 22096 | 24603 |
| | | 1.00 | .6 | 2936 | 5731 | 8565 | 11431 | 14326 | 17246 | 20177 | 23056 | 25933 | 28809 |
| | | 1.25 | 1.0 | 3232 | 6353 | 9517 | 12719 | 15936 | 19125 | 22318 | 25514 | 28711 | 31907 |
| | | 1.50 | 1.4 | 3460 | 6832 | 10250 | 13666 | 17084 | 20510 | 23941 | 27377 | 30815 | 34253 |

***High Speed**

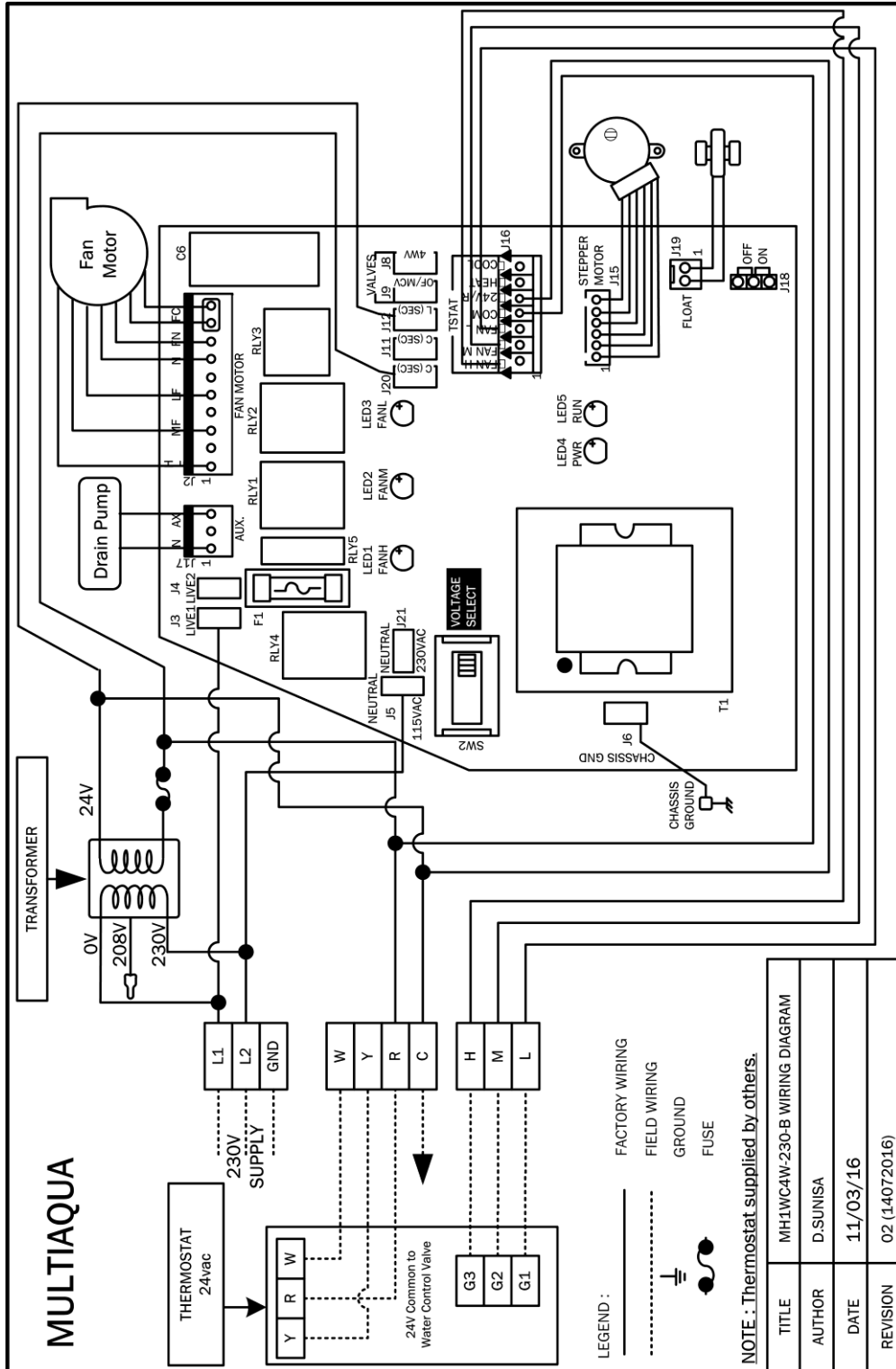
MH1WC4W-06-1-B CFM Data

| | |
|-------------------------|----------------|
| MODEL # | MH1WC4W-06-1-B |
| Fan Speed | CFM |
| L | 370 |
| M | 425 |
| H | 471 |
| Wattage @ High Speed | 115 |

MH1WC4W-06-1-B Sound Data

| MODEL # | MH1WC4W-06-1-B |
|-----------|----------------|
| Fan Speed | dB @ 1 m |
| L | 39 |
| M | 43 |
| H | 46 |

MH1WC4W-06-1-B Wiring Diagram



These specifications are subject to change without notice.
Check www.multiaqua.com for latest published information.

See Installation and Operation Manual
for Dimensional Drawings



306 Hagood Street
Easley, SC 29640
Ph.: 864-850-8990
Fax: 864-850-8995
www.multiaqua.com

For Technical Assistance:
1-855-THNK-WTR (1-855-846-5987)

*These specifications are subject to change without notice.
Check www.multiaqua.com for latest published information.*