### M4HP4018C1000AA

# Ameristar

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SERVICE ACCESS

DETAIL A

AIR DISCHARGE: ALLOW 60"

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MAY VARY.

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AIR INLETS LOUVERED PANELS ALLOW 12" MINIMUM CLEARANCE

NOTE: GRILL APPEARANCE

CONTROL WIRING 7/8" (22.2mm)

MINIMUM CLEARANCE.

6

POWER WIRING

SEE DETAIL A

KNOCKOUT

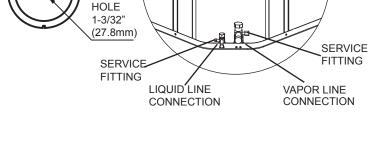
1-11/32" (34.5mm)

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# SUBMITTAL

### 1.5 Ton Split System Heat Pump - 1 Phase M4HP4018C1000AA

| Product Specifications                                |                                     |  |  |  |
|---|-------------------------------------|--|--|--|
| OUTDOOR UNIT  | M4HP4018C1000AA                     |  |  |  |
| POWER CONNS. — V/PH/HZ                                | 208/230/1/60                        |  |  |  |
| MIN. BRCH. CIR. AMPACITY                              | 10.4                                |  |  |  |
| BR. CIR. PROT. RTG MAX. (AMPS)                        | 15                                  |  |  |  |
| COMPRESSOR  | SCROLL                              |  |  |  |
| NO. USED - NO. SPEEDS                                 | 1 - 1                               |  |  |  |
| VOLTS/PH/HZ   | 208/230/1/60                        |  |  |  |
| R.L. AMPS - L.R. AMPS                                 | 7.7-48.0                            |  |  |  |
| FACTORY INSTALLED                                     |                                     |  |  |  |
| START COMPONENTS<br>INSULATION/SOUND BLANKET          | NO                                  |  |  |  |
| COMPRESSOR HEAT                                       | NO<br>YES                           |  |  |  |
| OUTDOOR FAN   | PROPELLER                           |  |  |  |
| DIA. (IN.) - NO. USED                                 | 17-3/4 - 1                          |  |  |  |
| TYPE DRIVE - NO. SPEEDS                               | DIRECT- 1                           |  |  |  |
| CFM @ 0.0 IN. W.G.                                    | 1800                                |  |  |  |
| NO. MOTORS - HP                                       | 1 - 1/8                             |  |  |  |
| MOTOR SPEED R.P.M.                                    | 1075                                |  |  |  |
| VOLTS/PH/HZ   | 208/230/1/60                        |  |  |  |
| F.L. AMPS   | 0.7                                 |  |  |  |
| OUTDOOR COIL — TYPE                                   | PLATE FIN                           |  |  |  |
| ROWS - F.P.I.   | 2 - 21                              |  |  |  |
| FACE AREA (SQ. FT.)                                   | 10.0                                |  |  |  |
| TUBE SIZE (IN.)                                       | 3/16                                |  |  |  |
| REFRIGERANT CONTROL                                   | ORIFICE                             |  |  |  |
| REFRIGERANT   |                                     |  |  |  |
| LBS. — R-410A (O.D. UNIT)                             | 5 LBS 5 OZ                          |  |  |  |
| FACTORY SUPPLIED<br>LINE SIZE - IN. O.D. GAS          | YES -<br>3/4                        |  |  |  |
| LINE SIZE - IN. O.D. GAS<br>LINE SIZE - IN. O.D. LIQ. | 3/4<br>3/8                          |  |  |  |
| CHARGING SPECIFICATION                                | 3/0                                 |  |  |  |
| SUBCOOLING  | 8° F                                |  |  |  |
| DIMENSIONS  |                                     |  |  |  |
| CRATED (IN.)  | H X W X D<br>26-1/4X24-7/10-24-7/10 |  |  |  |
|   | 20 1/7/27-1/10-27-1/10              |  |  |  |
| Weight<br>Shipping (LBS.)                             | 140                                 |  |  |  |
| NET (LBS.)  | 143                                 |  |  |  |
|   | 137                                 |  |  |  |



#### NOTE: All dimensions are in mm/inches.

| Model           | н              | W            | L            | LIQUID VALVE SIZE | GAS VALVE SIZE |
|-----------------|----------------|--------------|--------------|-------------------|----------------|
| M4HP4018C1000AA | 633 (24-15/16) | 600 (23-5/8) | 600 (23-5/8) | 3/8               | 3/4            |

#### General

The M4HP40 is fully charged from the factory. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with air handlers and furnace coils that are AHRI certified. The unit is certified to ETL. Exterior is designed for outdoor application.

#### Casing

Unit casing is constructed of heavy gauge, Galvanized steel and painted with a weatherresistant powder paint on all grilles, panels, pre-paint on all other panels. And had 500hours salt spray tested.

#### **Refrigerant Controls**

Refrigeration system controls include condenserfan, compressor contactor, high pressure switch and low pressure switch. The factory installed crankcase heat can protect compress when it stands by.

#### Scroll Compressor

Features include low vibration and noise.

#### **Condenser Coil**

The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by grille panels.



## Ameristar

**Ameristar** has a policy of continuous product and product data improvement and it reserves the right to change design and specifications without notice.

#### Optional accessories Liquid line drier —

It is used to filter out impurities and water in the system, ensures system clean and dry.

### M4HP4024C1000AA

# Ameristar

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# SUBMITTAL

### 2.0 Ton Split System Heat Pump - 1 Phase M4HP4024C1000AA

| Product Specifications                |                        |  |  |  |
|---------------------------------------|------------------------|--|--|--|
| OUTDOOR UNIT                          | M4HP4024C1000AA        |  |  |  |
| POWER CONNS V/PH/HZ                   | 208/230/1/60           |  |  |  |
| MIN. BRCH. CIR. AMPACITY              | 13.4                   |  |  |  |
| BR. CIR. PROT. RTG MAX. (AMPS)        | 20                     |  |  |  |
| COMPRESSOR                            | SCROLL                 |  |  |  |
| NO. USED - NO. SPEEDS                 | 1 - 1                  |  |  |  |
| VOLTS/PH/HZ                           | 208/230/1/60           |  |  |  |
| R.L. AMPS - L.R. AMPS                 | 10.1-52                |  |  |  |
| FACTORY INSTALLED                     |                        |  |  |  |
| START COMPONENTS                      | NO                     |  |  |  |
| INSULATION/SOUND BLANKET              | NO                     |  |  |  |
| COMPRESSOR HEAT                       | YES                    |  |  |  |
| OUTDOOR FAN                           | PROPELLER              |  |  |  |
| DIA. (IN.) - NO. USED                 | 18-7/8 - 1             |  |  |  |
| TYPE DRIVE - NO. SPEEDS               | DIRECT - 1             |  |  |  |
| CFM @ 0.0 IN. W.G.<br>NO. MOTORS - HP | 1800<br>1 - 1/8        |  |  |  |
| MOTOR SPEED R.P.M.                    | 1075                   |  |  |  |
| VOLTS/PH/HZ                           | 208/230/1/60           |  |  |  |
| F.L. AMPS                             | 0.7                    |  |  |  |
| OUTDOOR COIL - TYPE                   | PLATE FIN              |  |  |  |
| ROWS - F.P.I.                         | 2 - 21                 |  |  |  |
| FACE AREA (SQ. FT.)                   | 10.0                   |  |  |  |
| TUBE SIZE (IN.)                       | 3/16                   |  |  |  |
| REFRIGERANT CONTROL                   | ORIFICE                |  |  |  |
| REFRIGERANT                           |                        |  |  |  |
| LBS. — R-410A (O.D. UNIT)             | 5 LBS 2 OZ.            |  |  |  |
| FACTORY SUPPLIED                      | YES                    |  |  |  |
| LINE SIZE - IN. O.D. GAS              | 3/4                    |  |  |  |
| LINE SIZE - IN. O.D. LIQ.             | 3/8                    |  |  |  |
| CHARGING SPECIFICATION                |                        |  |  |  |
| SUBCOOLING                            | 8° F                   |  |  |  |
| DIMENSIONS                            | HXWXD                  |  |  |  |
| CRATED (IN.)                          | 26-1/4x24-7/10x24-7/10 |  |  |  |
| WEIGHT                                |                        |  |  |  |
| SHIPPING (LBS.)                       | 146                    |  |  |  |
| NET (LBS.)                            | 139                    |  |  |  |

|                        | AIR INLETS<br>LOUVERED<br>PANELS<br>ALLOW 12" |
|------------------------|---|
|                        |   |
|                        | AIR INLETS<br>LOUVERED                        |
|                        | PANELS  |
|                        | ALLOW 12"                                     |
|                        | MINIMUM                                       |
| SERVICE ACCESS         |   |
| ALLOW 24" CLEARANCE    | NOTE: GRILL APPEARANCE                        |
|                        | MAY VARY.                                     |
|                        |   |
| SEE DETAIL A           | 7/8" (22.2mm)                                 |
| DETAILA 1-11/32"       |   |
| ( <u>34.5mm</u> )      |   |
|                        |   |
| <b>{( )}</b>           |   |
|                        |   |
| 1-3/32"<br>(27.8mm)    |   |
|                        | SERVICE                                       |
| SERVICE                |   |
|                        | FITTING                                       |
| FITTING<br>LIQUID LINE | FITTING<br>VAPOR LINE<br>N CONNECTION         |

AIR DISCHARGE: ALLOW 60"

W

MINIMUM CLEARANCE.

#### NOTE: All dimensions are in mm/inches.

| Model           | Н              | W            | L            | LIQUID VALVE SIZE | GAS VALVE SIZE |
|-----------------|----------------|--------------|--------------|-------------------|----------------|
| M4HP4024C1000AA | 633 (24-15/16) | 600 (23-5/8) | 600 (23-5/8) | 3/8               | 3/4            |

#### General

The M4HP40 is fully charged from the factory. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with air handlers and furnace coils that are AHRI certified. The unit is certified to ETL. Exterior is designed for outdoor application.

#### Casing

Unit casing is constructed of heavy gauge, Galvanized steel and painted with a weatherresistant powder paint on all grilles, panels, pre-paint on all other panels. And had 500hours salt spray tested.

#### **Refrigerant Controls**

Refrigeration system controls include condenserfan, compressor contactor, high pressure switch and low pressure switch. The factory installed crankcase heat can protect compress when it stands by.

#### Scroll Compressor

Features include low vibration and noise.

#### **Condenser Coil**

The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by grille panels.



## Ameristar

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#### Optional accessories Liquid line drier —

It is used to filter out impurities and water in the system, ensures system clean and dry.

### M4HP4030B1000AA

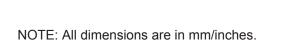
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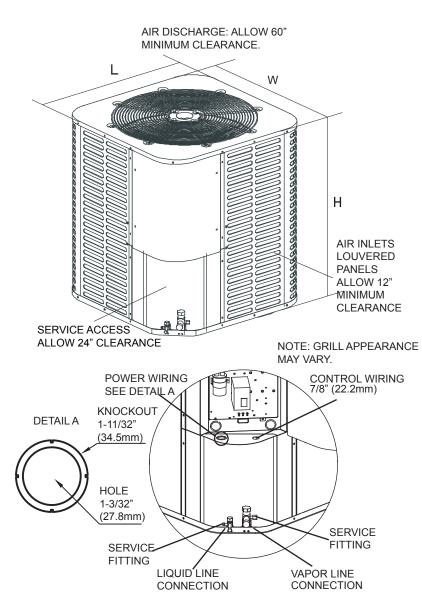
# SUBMITTAL

### 2.5 Ton Split System Heat Pump - 1 Phase M4HP4030B1000AA

| Product Specifications                           |                           |  |  |  |
|--|---------------------------|--|--|--|
| OUTDOOR UNIT                                     | M4HP4030B1000AA           |  |  |  |
| POWER CONNS. — V/PH/HZ                           | 208/230/1/60              |  |  |  |
| MIN. BRCH. CIR. AMPACITY                         | 16.5                      |  |  |  |
| BR. CIR. PROT. RTG MAX. (AMPS)                   | 25                        |  |  |  |
| COMPRESSOR                                       | SCROLL                    |  |  |  |
| NO. USED - NO. SPEEDS                            | 1 - 1                     |  |  |  |
| VOLTS/PH/HZ                                      | 208/230/1/60              |  |  |  |
| R.L. AMPS - L.R. AMPS                            | 12.4-63.0                 |  |  |  |
| FACTORY INSTALLED                                |                           |  |  |  |
| START COMPONENTS                                 | NO                        |  |  |  |
| INSULATION/SOUND BLANKET                         | NO<br>YES                 |  |  |  |
| COMPRESSOR HEAT                                  | -                         |  |  |  |
| OUTDOOR FAN                                      | PROPELLER                 |  |  |  |
| DIA. (IN.) - NO. USED<br>TYPE DRIVE - NO. SPEEDS | 23 - 1<br>DIRECT - 1      |  |  |  |
| CFM @ 0.0 IN. W.G.                               | 2500                      |  |  |  |
| NO. MOTORS - HP                                  | 1 - 1/6                   |  |  |  |
| MOTOR SPEED R.P.M.                               | 825                       |  |  |  |
| VOLTS/PH/HZ                                      | 208/230/1/60              |  |  |  |
| F.L. AMPS  | 1.0                       |  |  |  |
| OUTDOOR COIL - TYPE                              | PLATE FIN                 |  |  |  |
| ROWS - F.P.I.                                    | 2 - 21                    |  |  |  |
| FACE AREA (SQ. FT.)                              | 12.8                      |  |  |  |
| TUBE SIZE (IN.)                                  | 3/16                      |  |  |  |
| REFRIGERANT CONTROL                              | ORIFICE                   |  |  |  |
| REFRIGERANT                                      |                           |  |  |  |
| LBS. — R-410A (O.D. UNIT)                        | 6 LBS 7 OZ.               |  |  |  |
| FACTORY SUPPLIED                                 | YES                       |  |  |  |
| LINE SIZE - IN. O.D. GAS                         | 3/4                       |  |  |  |
| LINE SIZE - IN. O.D. LIQ.                        | 3/8                       |  |  |  |
| CHARGING SPECIFICATION                           | 00 F                      |  |  |  |
| SUBCOOLING                                       | 8° F                      |  |  |  |
|  | H X W X D<br>26/1-4x29x29 |  |  |  |
| CRATED (IN.)                                     | 20/1-4323 23              |  |  |  |
|  |                           |  |  |  |
| SHIPPING (LBS.)                                  | 161                       |  |  |  |
| NET (LBS.)                                       | 152                       |  |  |  |



| Model           | н              | W        | L        | LIQUID VALVE SIZE | GAS VALVE SIZE |
|-----------------|----------------|----------|----------|-------------------|----------------|
| M4HP4030B1000AA | 633 (24-15/16) | 710 (28) | 710 (28) | 3/8               | 3/4            |



#### General

The M4HP40 is fully charged from the factory. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with air handlers and furnace coils that are AHRI certified. The unit is certified to ETL. Exterior is designed for outdoor application.

#### Casing

Unit casing is constructed of heavy gauge, Galvanized steel and painted with a weatherresistant powder paint on all grilles, panels, pre-paint on all other panels. And had 500hours salt spray tested.

#### **Refrigerant Controls**

Refrigeration system controls include condenserfan, compressor contactor, high pressure switch and low pressure switch. The factory installed crankcase heat can protect compress when it stands by.

#### Scroll Compressor

Features include low vibration and noise.

#### **Condenser Coil**

The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by grille panels.



## Ameristar

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#### Optional accessories Liquid line drier —

It is used to filter out impurities and water in the system, ensures system clean and dry.

### M4HP4036B1000AA

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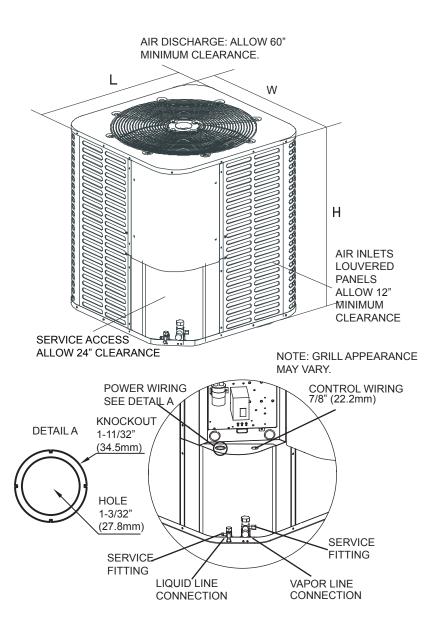
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# SUBMITTAL

### 3.0 Ton Split System Heat Pump - 1 Phase M4HP4036B1000AA

| Product Specifications                       |                          |  |  |  |
|--|--------------------------|--|--|--|
| OUTDOOR UNIT                                 | M4HP4036B1000AA          |  |  |  |
| POWER CONNS V/PH/HZ                          | 208/230/1/60             |  |  |  |
| MIN. BRCH. CIR. AMPACITY                     | 19.4                     |  |  |  |
| BR. CIR. PROT. RTG MAX. (AMPS)               | 30                       |  |  |  |
| COMPRESSOR                                   | SCROLL                   |  |  |  |
| NO. USED - NO. SPEEDS                        | 1 - 1                    |  |  |  |
| VOLTS/PH/HZ                                  | 208/230/1/60             |  |  |  |
| R.L. AMPS - L.R. AMPS                        | 14.7-75.0                |  |  |  |
| FACTORY INSTALLED                            |                          |  |  |  |
| START COMPONENTS<br>INSULATION/SOUND BLANKET | NO                       |  |  |  |
| COMPRESSOR HEAT                              | NO<br>YES                |  |  |  |
|  | -                        |  |  |  |
| OUTDOOR FAN<br>DIA. (IN.) - NO. USED         | PROPELLER                |  |  |  |
| TYPE DRIVE - NO. SPEEDS                      | 23-5/8 - 1<br>DIRECT - 1 |  |  |  |
| CFM @ 0.0 IN. W.G.                           | 2700                     |  |  |  |
| NO. MOTORS - HP                              | 1 - 1/6                  |  |  |  |
| MOTOR SPEED R.P.M.                           | 825                      |  |  |  |
| VOLTS/PH/HZ                                  | 208/230/1/60             |  |  |  |
| F.L. AMPS                                    | 1.0                      |  |  |  |
| OUTDOOR COIL - TYPE                          | PLATE FIN                |  |  |  |
| ROWS - F.P.I.                                | 2 - 21                   |  |  |  |
| FACE AREA (SQ. FT.)                          | 13.6                     |  |  |  |
| TUBE SIZE (IN.)                              | 3/16                     |  |  |  |
| REFRIGERANT CONTROL                          | ORIFICE                  |  |  |  |
| REFRIGERANT                                  |                          |  |  |  |
| LBS. — R-410A (O.D. UNIT)                    | 6 LBS 11 OZ.             |  |  |  |
| FACTORY SUPPLIED                             | YES                      |  |  |  |
| LINE SIZE - IN. O.D. GAS                     | 3/4                      |  |  |  |
| LINE SIZE - IN. O.D. LIQ.                    | 3/8                      |  |  |  |
| CHARGING SPECIFICATION                       | 00 F                     |  |  |  |
| SUBCOOLING                                   | <u>8° F</u>              |  |  |  |
| DIMENSIONS                                   | H X W X D                |  |  |  |
| CRATED (IN.)                                 | 26-1/4 x 30-1/5 x 30-1/5 |  |  |  |
| WEIGHT                                       |                          |  |  |  |
| SHIPPING (LBS.)                              | 177                      |  |  |  |
| NET (LBS.)                                   | 168                      |  |  |  |

| Model           | Н              | W            | L            | LIQUID VALVE SIZE | GAS VALVE SIZE |
|-----------------|----------------|--------------|--------------|-------------------|----------------|
| M4HP4036B1000AA | 633 (24-15/16) | 740 (29-1/8) | 740 (29-1/8) | 3/8               | 3/4            |



#### General

The M4HP40 is fully charged from the factory. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with air handlers and furnace coils that are AHRI certified. The unit is certified to ETL. Exterior is designed for outdoor application.

#### Casing

Unit casing is constructed of heavy gauge, Galvanized steel and painted with a weatherresistant powder paint on all grilles, panels, pre-paint on all other panels. And had 500hours salt spray tested.

#### **Refrigerant Controls**

Refrigeration system controls include condenserfan, compressor contactor, high pressure switch and low pressure switch. The factory installed crankcase heat can protect compress when it stands by.

#### Scroll Compressor

Features include low vibration and noise.

#### **Condenser Coil**

The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by grille panels.



## Ameristar

Optional accessories Liquid line drier —

It is used to filter out impurities and water in the system, ensures system clean and dry.

### M4HP4042B1000AA

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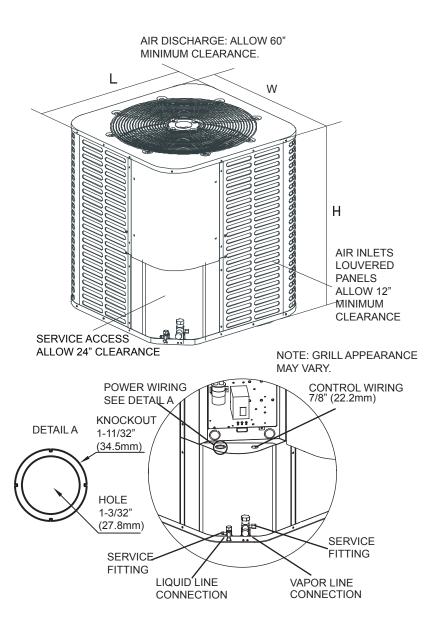
# SUBMITTAL

### 3.5 Ton Split System Heat Pump - 1 Phase M4HP4042B1000AA

| Product Specifications                |                 |  |  |  |
|---------------------------------------|-----------------|--|--|--|
| OUTDOOR UNIT                          | M4HP4042B1000AA |  |  |  |
| POWER CONNS V/PH/HZ                   | 208/230/1/60    |  |  |  |
| MIN. BRCH. CIR. AMPACITY              | 21.6            |  |  |  |
| BR. CIR. PROT. RTG MAX. (AMPS)        | 35              |  |  |  |
| COMPRESSOR                            | SCROLL          |  |  |  |
| NO. USED - NO. SPEEDS                 | 1 - 1           |  |  |  |
| VOLTS/PH/HZ                           | 208/230/1/60    |  |  |  |
| R.L. AMPS - L.R. AMPS                 | 15.9-112.3      |  |  |  |
| FACTORY INSTALLED                     |                 |  |  |  |
| START COMPONENTS                      | NO              |  |  |  |
| INSULATION/SOUND BLANKET              | NO              |  |  |  |
| COMPRESSOR HEAT                       | YES             |  |  |  |
| OUTDOOR FAN                           | PROPELLER       |  |  |  |
| DIA. (IN.) - NO. USED                 | 23 - 1          |  |  |  |
| TYPE DRIVE - NO. SPEEDS               | DIRECT - 1      |  |  |  |
| CFM @ 0.0 IN. W.G.<br>NO. MOTORS - HP | 3700<br>1 - 1/3 |  |  |  |
| MOTOR SPEED R.P.M.                    | 1075            |  |  |  |
| VOLTS/PH/HZ                           | 208/230/1/60    |  |  |  |
| F.L. AMPS                             | 1.7             |  |  |  |
| OUTDOOR COIL — TYPE                   | PLATE FIN       |  |  |  |
| ROWS - F.P.I.                         | 2 - 21          |  |  |  |
| FACE AREA (SQ. FT.)                   | 17.4            |  |  |  |
| TUBE SIZE (IN.)                       | 3/16            |  |  |  |
| REFRIGERANT CONTROL                   | ORIFICE         |  |  |  |
| REFRIGERANT                           |                 |  |  |  |
| LBS. — R-410A (O.D. UNIT)             | 8 LBS 3 OZ.     |  |  |  |
| FACTORY SUPPLIED                      | YES             |  |  |  |
| LINE SIZE - IN. O.D. GAS              | 3/4             |  |  |  |
| LINE SIZE - IN. O.D. LIQ.             | 3/8             |  |  |  |
| CHARGING SPECIFICATION                |                 |  |  |  |
| SUBCOOLING                            | 8° F            |  |  |  |
| DIMENSIONS                            | HXWXD           |  |  |  |
| CRATED (IN.)                          | 34-1/2x29x29    |  |  |  |
| WEIGHT                                |                 |  |  |  |
| SHIPPING (LBS.)                       | 212             |  |  |  |
| NET (LBS.)                            | 201             |  |  |  |

| NOTE: All | dimensions | are in | mm/inches. |
|-----------|------------|--------|------------|
|           |            |        |            |

| Model           | Н             | W        | L        | LIQUID VALVE SIZE | GAS VALVE SIZE |
|-----------------|---------------|----------|----------|-------------------|----------------|
| M4HP4042B1000AA | 843 (33-3/16) | 710 (28) | 710 (28) | 3/8               | 3/4            |



#### General

The M4HP40 is fully charged from the factory. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with air handlers and furnace coils that are AHRI certified. The unit is certified to ETL. Exterior is designed for outdoor application.

#### Casing

Unit casing is constructed of heavy gauge, Galvanized steel and painted with a weatherresistant powder paint on all grilles, panels, pre-paint on all other panels. And had 500hours salt spray tested.

#### **Refrigerant Controls**

Refrigeration system controls include condenserfan, compressor contactor, high pressure switch and low pressure switch. The factory installed crankcase heat can protect compress when it stands by.

#### Scroll Compressor

Features include low vibration and noise.

#### **Condenser Coil**

The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by grille panels.



## Ameristar

Optional accessories Liquid line drier —

It is used to filter out impurities and water in the system, ensures system clean and dry.

### M4HP4048B1000AA

# Ameristar

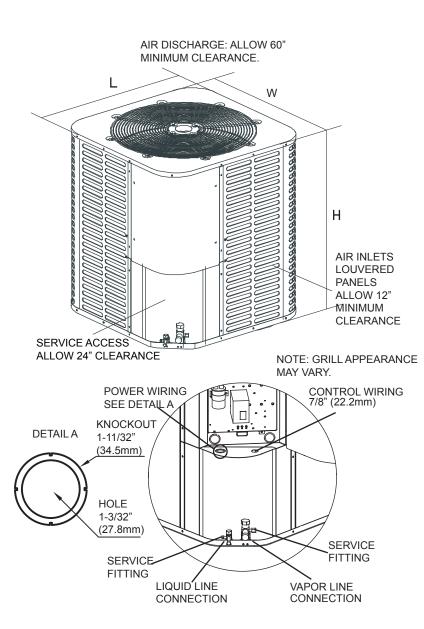
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# SUBMITTAL

### 4.0 Ton Split System Heat Pump - 1 Phase M4HP4048B1000AA

| Product Specifications                        |                      |  |  |  |
|---|----------------------|--|--|--|
| OUTDOOR UNIT                                  | M4HP4048B1000AA      |  |  |  |
| POWER CONNS V/PH/HZ                           | 208/230/1/60         |  |  |  |
| MIN. BRCH. CIR. AMPACITY                      | 24.6                 |  |  |  |
| BR. CIR. PROT. RTG MAX. (AMPS)                | 40                   |  |  |  |
| COMPRESSOR                                    | SCROLL               |  |  |  |
| NO. USED - NO. SPEEDS                         | 1 - 1                |  |  |  |
| VOLTS/PH/HZ                                   | 208/230/1/60         |  |  |  |
| R.L. AMPS - L.R. AMPS                         | 18.3-108.0           |  |  |  |
| FACTORY INSTALLED                             |                      |  |  |  |
| START COMPONENTS                              | NO                   |  |  |  |
| INSULATION/SOUND BLANKET                      | NO<br>YES            |  |  |  |
| COMPRESSOR HEAT                               | PROPELLER            |  |  |  |
| DIA. (IN.) - NO. USED                         |                      |  |  |  |
| TYPE DRIVE - NO. SPEEDS                       | 23 - 1<br>DIRECT - 1 |  |  |  |
| CFM @ 0.0 IN. W.G.                            | 3700                 |  |  |  |
| NO. MOTORS - HP                               | 1 - 1/3              |  |  |  |
| MOTOR SPEED R.P.M.                            | 1075                 |  |  |  |
| VOLTS/PH/HZ                                   | 208/230/1/60         |  |  |  |
| F.L. AMPS                                     | 1.7                  |  |  |  |
| OUTDOOR COIL — TYPE                           | PLATE FIN            |  |  |  |
| ROWS - F.P.I.                                 | 2 - 21               |  |  |  |
| FACE AREA (SQ. FT.)                           | 17.4                 |  |  |  |
| TUBE SIZE (IN.)                               | 3/16                 |  |  |  |
| REFRIGERANT CONTROL                           | ORIFICE              |  |  |  |
| REFRIGERANT                                   |                      |  |  |  |
| LBS. — R-410A (O.D. UNIT)<br>FACTORY SUPPLIED | 8 LBS 1 OZ.<br>YES   |  |  |  |
| LINE SIZE - IN. O.D. GAS                      | 7/8                  |  |  |  |
| LINE SIZE - IN. O.D. LIQ.                     | 3/8                  |  |  |  |
| CHARGING SPECIFICATION                        | 0,0                  |  |  |  |
| SUBCOOLING                                    | 8° F                 |  |  |  |
| DIMENSIONS                                    | HXWXD                |  |  |  |
| CRATED (IN.)                                  | 34-1/2x29x29         |  |  |  |
| WEIGHT  |                      |  |  |  |
| SHIPPING (LBS.)                               | 214                  |  |  |  |
| NET (LBS.)                                    | 203                  |  |  |  |

| Model           | Н             | W        | L        | LIQUID VALVE SIZE | GAS VALVE SIZE |
|-----------------|---------------|----------|----------|-------------------|----------------|
| M4HP4048B1000AA | 843 (33-3/16) | 710 (28) | 710 (28) | 3/8               | 7/8            |



#### General

The M4HP40 is fully charged from the factory. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with air handlers and furnace coils that are AHRI certified. The unit is certified to ETL. Exterior is designed for outdoor application.

#### Casing

Unit casing is constructed of heavy gauge, Galvanized steel and painted with a weatherresistant powder paint on all grilles, panels, pre-paint on all other panels. And had 500hours salt spray tested.

#### **Refrigerant Controls**

Refrigeration system controls include condenserfan, compressor contactor, high pressure switch and low pressure switch. The factory installed crankcase heat can protect compress when it stands by.

#### Scroll Compressor

Features include low vibration and noise.

#### **Condenser Coil**

The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by grille panels.



## Ameristar

Optional accessories Liquid line drier —

It is used to filter out impurities and water in the system, ensures system clean and dry.

### M4HP4060B1000AA

# Ameristar

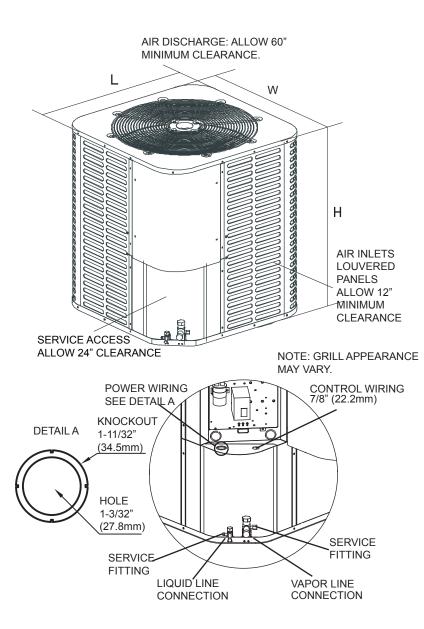
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# SUBMITTAL

### 5.0 Ton Split System Heat Pump - 1 Phase M4HP4060B1000AA

| Product Specifications                        |                      |  |  |  |
|---|----------------------|--|--|--|
| OUTDOOR UNIT                                  | M4HP4060B1000AA      |  |  |  |
| POWER CONNS V/PH/HZ                           | 208/230/1/60         |  |  |  |
| MIN. BRCH. CIR. AMPACITY                      | 29.6                 |  |  |  |
| BR. CIR. PROT. RTG MAX. (AMPS)                | 50                   |  |  |  |
| COMPRESSOR                                    | SCROLL               |  |  |  |
| NO. USED - NO. SPEEDS                         | 1 - 1                |  |  |  |
| VOLTS/PH/HZ                                   | 208/230/1/60         |  |  |  |
| R.L. AMPS - L.R. AMPS                         | 22.3-127.9           |  |  |  |
| FACTORY INSTALLED                             |                      |  |  |  |
| START COMPONENTS                              | NO                   |  |  |  |
| INSULATION/SOUND BLANKET                      | NO                   |  |  |  |
| COMPRESSOR HEAT                               | YES                  |  |  |  |
| OUTDOOR FAN                                   | PROPELLER            |  |  |  |
| DIA. (IN.) - NO. USED                         | 23-5/8 - 1           |  |  |  |
| TYPE DRIVE - NO. SPEEDS<br>CFM @ 0.0 IN. W.G. | DIRECT - 1           |  |  |  |
| NO. MOTORS - HP                               | 4250<br>1 - 1/3      |  |  |  |
| MOTOR SPEED R.P.M.                            | 1075                 |  |  |  |
| VOLTS/PH/HZ                                   | 208/230/1/60         |  |  |  |
| F.L. AMPS                                     | 1.7                  |  |  |  |
| OUTDOOR COIL - TYPE                           | PLATE FIN            |  |  |  |
| ROWS - F.P.I.                                 | 3 - 19               |  |  |  |
| FACE AREA (SQ. FT.)                           | 18.4                 |  |  |  |
| TUBE SIZE (IN.)                               | 9/32                 |  |  |  |
| REFRIGERANT CONTROL                           | ORIFICE              |  |  |  |
| REFRIGERANT                                   |                      |  |  |  |
| LBS. — R-410A (O.D. UNIT)                     | 11 LBS 6 OZ.         |  |  |  |
| FACTORY SUPPLIED                              | YES                  |  |  |  |
| LINE SIZE - IN. O.D. GAS                      | 7/8                  |  |  |  |
| LINE SIZE - IN. O.D. LIQ.                     | 3/8                  |  |  |  |
| CHARGING SPECIFICATION                        |                      |  |  |  |
| SUBCOOLING                                    | 8° F                 |  |  |  |
| DIMENSIONS                                    | HXWXD                |  |  |  |
| CRATED (IN.)                                  | 34-1/2x30-1/5x30-1/5 |  |  |  |
| WEIGHT  |                      |  |  |  |
| SHIPPING (LBS.)                               | 238                  |  |  |  |
| NET (LBS.)                                    | 227                  |  |  |  |

| Model           | н             | W            | L            | LIQUID VALVE SIZE | GAS VALVE SIZE |
|-----------------|---------------|--------------|--------------|-------------------|----------------|
| M4HP4060B1000AA | 843 (33-3/16) | 740 (29-1/8) | 740 (29-1/8) | 3/8               | 7/8            |



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