HEAT SIPHON
R410A
MODELS
NAMEPLATE
DOCUMENT

Archive Document

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### Revision Record

The following is a record of the revisions made to this document starting with revision D - see individual revisions in library for A-E

**Revision F:** 8-9-2010 Models Changed added all Classic C series models using same Z series copeland compressors and Timerstat instead of digital controls. Deleted all 7HP Analog models.

**Revision G:** 9-29-2010 Changed charge in the HC heat/cool models to 9.0 LBS of r410a pg.

**Revision H:** 10-26-2010 Changed all 7HP models to 155,000 btuh cop=6.3

**Revision I:** 11-2-2010 revised 2700HP and 2575HC to reflect new ETL testing results

**Revision J:** 3-29-2011 Added experimental 2575HP50 for Sue for Bahrain order (pg 45)

**Revision K:** 4-1-2011 Added 2575HC50 Heating Cooling unit for Bahrain order (new pg 38) corrected compressor suffix for 220v 3ph - changed TFD to TF5

**Revision L:** 8-29-2011 Corrected 2250HP series removed 1160 statement

**Revision M:** corrected 2700HPX charge from 10 to 8.5lbs pg 36

**Revision N:** added 2200HP and 2555HP

**Revision "O"** added CF and CZ series
### Classic "C" Series

| Model No. | Model Number | Voltage HZ PH | BTU/h-COP @60 Hz | BTU/h-COP @50 Hz | Cap. MCA Amps | Lbs | LRA | Ps | Run | Wire Breaker | #4 10a |
|-----------|--------------|---------------|-------------------|------------------|--------------|-----|-----|----|-----|---------------|--------|-------|
| Z575HP4   | ZP72KCE-TFD  | 414-506 60 3  120.8K-6.20 | NA-NA | 17.7 20 6.75 | 75 23 | |
| Z575HP5   | ZP72KCE-TFD  | 380/440/50/603 120.8K-6.20 97.8K-6.20 | NA-NA | 17.7 20 6.75 | 134 24 | |

### Z000HP Heating Only Models

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### Digital "Z" Series

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<td>82K-NA</td>
<td>NA</td>
<td>17.7</td>
<td>20 6.75</td>
<td>134 72</td>
<td></td>
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</tbody>
</table>

### EXPERIMENTAL Models

<table>
<thead>
<tr>
<th>Model No.</th>
<th>ZP54KSE-PFV</th>
<th>Voltage</th>
<th>HZ</th>
<th>PH</th>
<th>BTUh-COP</th>
<th>BTUh-COP</th>
<th>Cap.</th>
<th>MCA</th>
<th>Amps</th>
<th>Lbs</th>
<th>LRA</th>
<th>Pg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZF575CP</td>
<td>208-230</td>
<td>60 1</td>
<td>89K-NA</td>
<td>NA-NA</td>
<td>80/440</td>
<td>38.7</td>
<td>40 5.85</td>
<td>140 73</td>
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<td></td>
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<tr>
<td>ZF575CP3</td>
<td>ZP72KCE-TFS</td>
<td>208-230</td>
<td>60 3</td>
<td>98K-NA</td>
<td>NA-NA</td>
<td>NA</td>
<td>34.5</td>
<td>40 6.75</td>
<td>130 74</td>
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<td></td>
</tr>
</tbody>
</table>
HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

CLASSIC "C" SERIES

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## HEAT SIPHON MODEL NOMENCLATURE PLATES

### RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Req'd</th>
<th>Max. Circuit Breaker</th>
<th>MCA</th>
<th>Min. Circuit Ampacity</th>
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</thead>
<tbody>
<tr>
<td>C250HP50</td>
<td>220-240 1Ø 50Hz</td>
<td>30 Amps</td>
<td>20.9 Amps</td>
<td>30 Amps</td>
</tr>
</tbody>
</table>

- **Made in USA**
- **Direct connection to SCH40 PVC pipe permitted**
- **Use copper conductors only (electric)**
- **Caution**: Single wall heat exchanger, not suitable for potable water
- **CSA certification is limited to 60 Hz only**
- **Attention**: Echangeur de chaleur paroi simple, ne pas raccorder des conduites d'eau potable.

**For more technical info visit**: [www.heatsiphon.com](http://www.heatsiphon.com)

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HEAT SIPHON MODEL NOMENCLATURE PLATES

MODEL: C250HPX
POWER REQ'D: 380/440V 3Ø 50/60Hz
MAX. CIRCUIT BREAKER: 10 AMPS
MCA: 9.7 AMPS

MIN. CIRCUIT AMPACITY
SIZE WIRE USING THIS:

MINIMUM CIRCUIT AMPACITY

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ÉCHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACCORDER DES CONDUITES D’EAU POTABLE.
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HEAT SIPHON MODEL NOMENCLATURE PLATES

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

RECOMMENDED/ MAXIMUM
CIRCUIT BREAKER SIZE

MODEL: C375HP
POWER REQ’D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 40 AMPS
MCA: 38.7 AMPS

COMPRSOR: 26.3 RLA 134 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 5.85 lbs R410A
DESIGN PRESS : 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 89,000 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY(ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 Hz ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
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RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

Heat Siphon Compressor Mfr Power Supply Req'd @60 Hz @50 Hz Run Wire Breaker R410a
Model No. Model Number Voltage HZ PH BTUh-COP BTUh-COP Cap. MCA Amps Lbs LRA
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

MODEL: C375HP50
POWER REQ'D: 220-240V 1Ø 50Hz
MAX. CIRCUIT BREAKER: 40 AMPS
MCA: 30.2 AMPS

COMPRESSOR: 20.2 RLA 128 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 5.85 lbs R410A
DESIGN PRESS.: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 74,200 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 60 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH AIR STD: 1160
CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236
OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY(ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITES D’EAU POTABLE.

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RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

HEAT SIPHON

MODEL: C375HPX
POWER REQ'D: 380/440V 3Ø 50/60Hz
MAX. CIRCUIT BREAKER: 20 AMPS
MCA: 12.9 AMPS

COMPRESSOR: 7.8 RLA 51.5 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 5.85 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 89,000 BTUH @ 80°F H2O/ 80°F AIR
(Above Rating at 60 Hz - 74,200 BTUH @ 50Hz)
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITES D’EAU POTABLE.

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RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

HEAT SIPHON

COMPRESSOR: 29.5 RLA 176 LRA
FAN MOTOR: 2.1 RLA .9 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 97,800 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 60 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

Made in USA

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
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NE PAS RACORDER DES CONDUITES D’EAU POTABLE.

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**RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE**

**SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY**

---

**HEAT SIPHON MODEL NAMEPLATE**

**MODEL: C575HP3**

**POWER REQ'D**: 208-230 3Ø 60Hz

**MAX. CIRCUIT BREAKER**: 40 AMPS

**MCA**: 34.5 AMPS

**COMPRESSOR**: 23.2 RLA 164 LRA

**FAN MOTOR**: 2.1 RLA .39 HP

**FACTORY CHARGED**: 6.75 lbs R410A

**DESIGN PRESS**: 475 PSIG (HIGH AND LOW SIDE)

**BTU OUTPUT**: 120,800 BTUH @ 80°F H2O/80°F AIR

**NOT INTENDED FOR 50 Hz Operation**

**LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER**

**RATED IN ACCORDANCE WITH ARI STD. 1160**

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---

**OUTDOOR USE**

**DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED**

**USE COPPER CONDUCTORS ONLY (ELECTRIC)**

**CAUTION**: SINGLE WALL HEAT EXCHANGER, NOT SUITABLE FOR POTABLE WATER

**CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY**

**ATTENTION**: ECHANGEUR DE CHALEUR PAROI SIMPLE NE PAS RACORDER DES CONDUITES D'EAU POTABLE.

For More Technical Info Visit WWW.HEATSIPHON.COM
HEAT SIPHON MODEL NOMENCLATURE PLATES

MODEL: C575HP4
POWER REQ'D: 414-506V 3Ø 60Hz
MAX. CIRCUIT BREAKER: 20 AMPS
MCA: 17.7 AMPS

COMPRESSOR: 11.2 RLA 75 LRA
FAN MOTOR: 2.1 RLA 39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 120,800 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY(ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 Hz ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITES D’EAU POTABLE.

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HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

HEAT SIPHON
MODEL: C575HPX
POWER REQ'D: 380/440 3Ø  50/60Hz
MAX. CIRCUIT BREAKER: 20 AMPS
MCA: 17.7 AMPS

COMPRESSOR: 11.2 RLA 134 LRA
FAN MOTOR: 2.1 RLA  39 HP
FACTORY CHARGED: 6.75 lbs  R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 120,800 BTUH @ 80°F H2O/ 80°F AIR
(Above Rating at 60 Hz - 97,800 BTUH @ 50Hz)
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 No. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY(ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITES D’EAU POTABLE.
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HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

HEAT SIPHON®

MODEL: Z200HP

POWER REQ'D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 30 AMPS
MCA: 19.8 AMPS

COMPRESSOR: 14.1 RLA 73 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 3.25 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 47,000 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY(ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 Hz ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITES D’EAU POTABLE.

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MODEL: Z250HP
POWER REQ’D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 30 AMPS
MCA: 25.4 AMPS

COMPRESSOR: 16.7 RLA 79 LRA
FAN MOTOR: 2.1 RLA 39 HP
FACTORY CHARGED: 3.35 lbs R410A
DESIGN PRESS.: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 52,400 BTUH @ 80°F H2O/80°F AIR
NOT INTENDED FOR 50 Hz Operation

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 Hz ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACCORDER DES CONDUITES D’EAU POTABLE.

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Z250HP Heating Only Models
HEAT SIPHON MODEL NOMENCLATURE PLATES

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

HEAT SIPHON®
MODEL: Z250HP50
POWER REQ'D: 220-240 1Ø 50Hz
MAX. CIRCUIT BREAKER: 30 AMPS
MCA: 20.9 AMPS

COMPRESSOR: 13.5 RLA 67 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 3.35 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 43,700 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 60 Hz Operation

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 Hz ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITES D'EAU POTABLE.
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HEAT SIPHON MODEL NOMENCLATURE PLATES

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

MODEL: Z250HPX
POWER REQ'D: 380/440V 3Ø 50/60Hz
MAX. CIRCUIT BREAKER: 10 AMPS
MCA: 9.7 AMPS

COMPRESSOR: 5.4 RLA 38 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 3.35 lbs R410A
DESIGN PRESS : 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 52,400 BTUH @ 80°F H2O/ 80°F AIR
(Above Rating at 60 Hz - 43,700 BTUH @ 50Hz)

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236
OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY(ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: CHAUFFAGE SIMPLE
NE PAS RACCORDER DES CONDUITES D'EAU POTABLE.
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HEAT SIPHON MODEL NOMENCLATURE PLATES

- RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE
- SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

Z350HP Heating Only Models

MODEL: Z350HP
POWER REQ'D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 40 AMPS
MCA: 33.4 AMPS

COMPRESSOR: 25 RLA 134 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 4.5 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 78,000 BTUH @ 80°F H2O/80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITEMS D’EAU POTABLE.

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Z375HP Heating Only Models

Made in USA
Model: Z375HP
Power Reqd: 208-230 V 60Hz
Max. Circuit Breaker: 40 Amps
MCA: 38.7 Amps

Recommended/Maximum Circuit Breaker Size

Size Wire Using This: Min. Circuit Ampacity

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RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

HEAT SIPHON®
MODEL: Z375HP50
POWER REQ’D: 220-240V 1Ø 50Hz
MAX. CIRCUIT BREAKER: 40 AMPS
MCA: 30.2 AMPS

COMPRESSOR: 20.2 RLA 128 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 5.85 lbs R410A
DESIGN PRESS.: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 74,200 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 60 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
CONFORMS TO UL STD 1995 CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

MADE IN USA

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR SIMPLE
NE PAS RACORDER DES CONDUITES D’EAU POTABLE.

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HEAT SIPHON MODEL NOMENCLATURE PLATES
HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

WEB EDITION: WEB NAMEPLATE R410A MODELS
HEAT SIPHON MODEL NOMENCLATURE PLATES

**Recommended/Maximum Circuit Breaker Size**

<table>
<thead>
<tr>
<th>Size Wire Using This:</th>
<th>MIN. CIRCUIT AMPACITY</th>
</tr>
</thead>
</table>

**Heat Siphon Model Nomenclature Plates**

- **Model**: Z575HP50
- **Power Req'd**: 220-240 1Ø 50Hz
- **Max. Circuit Breaker**: 60 AMPS
- **MCA**: 43.2 AMPS

**Specifications**
- **Compressor**: 29.5 RLA 176 LRA
- **Fan Motor**: 2.1 RLA 39 HP
- **Factory Charged**: 6.75 lbs R410A
- **Design Press**: 475 PSIG (High and Low Side)
- **BTU Output**: 97,800 BTUH @ 80°F H2O/80°F Air
- **Not Intended for 60 Hz Operation**
- **Low Air COP**: > 4.0 at 50°F/63%RH/80°F Water
- **Rated in Accordance with ARI STD. 1160**

**Outdoor Use**
- **Direct Connection to SCH40 PVC Pipe Permitted**
- **Use Copper Conductors Only (Electric)**
- **Caution**: Single Wall Heat Exchanger, Not Suitable for Potable Water
- **CSA Certification is Limited to 60 Hz Only**

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HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

MODEL: Z575HP3
POWER REQ'D: 208-230 3Ø 60Hz
MAX. CIRCUIT BREAKER: 40 AMPS
MCA: 34.5 AMPS

COMRESSOR: 23.2 RLA 164 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 120,800 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

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RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

HEAT SIPHON®
MODEL: Z575HP4
POWER REQ'D: 414-506V 3Ø 60Hz
MAX. CIRCUIT BREAKER: 20 AMPS
MCA: 17.7 AMPS

COMPRESSOR: 11.2 RLA 75 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 120,800 BTUH @ 80°F H2O / 80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY(ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: CHANDEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITES D’EAU POTABLE.

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WEB EDITION: WEB NAMEPLATE R410A Models
HEAT SIPHON MODEL NOMENCLATURE PLATES

MODEL: Z575HPX
POWER REQ'D: 380/440 3Ø 50/60Hz
MAX. CIRCUIT BREAKER: 20 AMPS
MCA: 17.7 AMPS

COMPRESSOR: 11.2 RLA 134 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 6.75 lbs R410A

DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 120,800 BTUH @ 80°F H2O / 80°F AIR
(Above Rating @ 60 Hz - 97,800 BTUH @ 50Hz)
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITES D'EAU POTABLE.

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HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

HEAT SIPHON
MODEL: Z700HP3
POWER REQ'D: 208-230 3Ø 60Hz
MAX. CIRCUIT BREAKER: 40 AMPS
MCA: 37.0 AMPS

COMPRESSOR: 25 RLA 164 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 8.5 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 134,500 BTUH @ 80°F H2O/80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

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MODEL: Z700HP4
POWER REQ'D: 414-506V 3Ø 60Hz
MAX. CIRCUIT BREAKER: 20 AMPS
MCA: 19.1 AMPS

COMPRESSOR: 12.2 RLA 100 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 8.5 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 134,500 BTUH @ 80°F H2O/80°F AIR
RATED IN ACCORDANCE WITH ARI STD. 1160

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: CHAUFFEUR DE CHALEUR PAROI SIMPLE
NE PAS RACCORDER DES CONDUITES D’EAU POTABLE.

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**Recommended/Maximum Circuit Breaker Size**

Size wire using this:
Min. Circuit Ampacity

**HEAT SIPHON**

**Model: Z700HPX**

- **Power Req’d:** 380/440V 3Ø 50/60Hz
- **Max. Circuit Breaker:** 20 Amps
- **MCA:** 19.1 Amps

**Compressor:** 12.2 RLA 101 LRA
**Fan Motor:** 2.1 RLA .39 HP
**Factory Charged:** 8.5 lbs R410A
**Design Press.:** 475 PSIG (High and Low Side)
**BTU Output:** 134,500 BTUH @ 80°F H2O/80°F Air
(Above Rating at 60 Hz - 112,500 BTUH @ 50Hz)
**Low Air COP:** > 4.0 at 50°F/63%RH/80°F Water
RATED IN ACCORDANCE WITH ARI STD. 1160

**Conforms to UL Std 1995**
**Certified to CAN/CSA**
**STD C22.2 No. 236**

OUTDOOR USE

- **Direct Connection to SCH40 PVC Pipe Permitted**
- **Use Copper Conductors Only (Electric)**
- **Caution: Single Wall Heat Exchanger,**
  **Not Suitable for Potable Water**
- **CSA Certification Is Limited to 60 Hz Only**
- **Attention: Echangeur de Chaleur Paroi Simple**
  **Ne Pas Raccorder Des Conduites D’eau Potable.**

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RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

Z575HC HEAT-COOL Models

MODEL: Z575HC
POWER REQ'D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 50 AMPS
MCA: 46.7 AMPS

COMPRESSOR: 32.1 RLA 148 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 9.2 lbs R410A

DESIGN PRESS : 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 114,800 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY(ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITES D’EAU POTABLE.

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RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY
HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

Heat Siphon Compressor Mfr Power Supply Req'd @60 Hz @50 Hz Run Wire Breaker R410a
Model No. Model Number Voltage HZ PH BTUh-COP BTUh-COP Cap. MCA Amps Lbs LRA
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
Heat Siphon Model Nomencalture Plates

Recommended/Maximum Circuit Breaker Size

Size Wire Using This: Min. Circuit Ampacity

Made in USA

Heat Siphon Model: Z575HCX

Power Req'd: 380/440 3Ø 50/60Hz
Max. Circuit Breaker: 20 Amps
MCA: 17.7 Amps

Compressor: 11.2 RLA 134 LRA
Fan Motor: 2.1 RLA .39 HP
Factory Chaged: 9.2 lbs R410A

Design Press: 475 PSIG (High And Low Side)
BTU Output: 114,800 BTUH @ 80°F H2O/80°F Air
(Above Rating at 60 Hz - 95,800 BTUH @ 50Hz)
Low Air COP > 4.0 At 50°F/63%RH/80°F Water
Rated In Accordance With AIR STD: 1160

Certified To UL STD 1995
Certified To Can/CSA
STD C22.2 NO. 236

Outdoor Use
Direct Connection To Sch40 PVC Pipe Permitted
Use Copper Conductors Only (Electric)
Caution: Single Wall Heat Exchanger,
Not Suitable For Potable Water
CSA Certification Is Limited To 60 Hz Only
Attention: Chaleur De Chaleur Paroi Simple
Ne Pas Raccorder Des Conduites D'eau Potable.

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HEAT SIPHON
MODEL: Z575CP
POWER REQ'D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 50 AMPS
MCA: 46.7 AMPS

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

MADE IN USA

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
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RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

MODEL: Z575CP
POWER REQ'D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 50 AMPS
MCA: 46.7 AMPS

COMPRESSOR: 32.1 RLA 148 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS : 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 98,000 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
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HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

HEAT SIPHON®
MODEL: Z575CP3
POWER REQ’D: 208-230 3Ø 60Hz
SERIAL NO.

MAX. CIRCUIT BREAKER: 40 AMPS
MCA: 34.5 AMPS

COMPRESSOR: 23.2 RLA 164 LRA
FAN MOTOR: 2.1 RLA 39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 98,000 BTUH @ 80°F H2O/ 80°F AIR

NOT INTENDED FOR 50 Hz Operation

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
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HEAT SIPHON®
MODEL: Z575CP4
POWER REQ'D: 414-506V 3Ø 60Hz
MAX. CIRCUIT BREAKER: 20 AMPS
MCA: 17.7 AMPS

COMPRSSOR: 11.2 RLA 75 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 98,000 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA STD C22.2 NO. 236
Outdoor Use
Direct Connection To SCH40 PVC Pipe Permitted
Use Copper Conductors Only (Electric)
Caution: Single Wall Heat Exchanger,
Not Suitable For Potable Water
CSA Certification Is Limited To 60 Hz Only
Attention: Echangeur De Chaleur Paroi Simple
Ne Pas Raccorder Des Conduites D’Eau Potable.

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直接连接到 SCH40 PVC 管道允许
使用铜导体（仅限用电）
注意：单壁换热器，不适用于饮用水源
CSA 认证仅限于 60 Hz 仅
注意：ENAMEL 只适用于 60 Hz 仅
ENAMEL 只适用于 60 Hz 仅
ENAMEL 只适用于 60 Hz 仅
ENAMEL 只适用于 60 Hz 仅

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SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

HEAT SIPHON®
MODEL: CF250HP
POWER REQ'D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 30 AMPS
MCA: 25.4 AMPS

COMPRESSOR: 16.7 RLA 79 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 3.35 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 52,400 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ÉCHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACCORDER DES CONDUITES D'EAU POTABLE.

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HEAT SIPHON MODEL NOMENCLATURE PLATES

**Heat Siphon Model Nameplates**

**Recommended/Maximum Circuit Breaker Size**

- **Size Wire Using This:** Min. Circuit Ampacity
- **Made in USA**
- **Heat Siphon®**
- **Model: CF250HP50**
  - **Power Req'd:** 220-240 V, 1Ø, 50Hz
  - **Max. Circuit Breaker:** 30 Amps
  - **MCA:** 20.9 Amps

- **Compressor:** 13.5 RLA 67 LRA
- **Fan Motor:** 2.1 RLA, .39 HP
- **Factory Charged:** 3.35 lbs R410A
- **Design Press.:** 475 PSIG (High and Low Side)
- **BTU Output:** 43,700 BTUH @ 80°F H2O/80°F Air

**Conforms to UL STD 1995 Certified to CAN/CSA STD C22.2 NO. 236**

- **Outdoor Use**
  - Direct Connection to SCH 40 PVC Pipe Permitted
  - Use Copper Conductors Only (Electric)
  - Caution: Single Wall Heat Exchanger, Not Suitable for Potable Water
  - CSA Certification is Limited to 60 Hz Only

**Attention:** Echangeur de Chaleur Paroi Simple
Ne Pas Raccorder Des Conduites D'eau Potable.


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**Page 38**
## Heat Siphon Model Nomenclature Plates

**Recommended/ Maximum Circuit Breaker Size**

Size wire using this:

<table>
<thead>
<tr>
<th>Model</th>
<th>Model Number</th>
<th>Voltage</th>
<th>HZ</th>
<th>PH</th>
<th>BTU/h-COP</th>
<th>BTU/h-COP</th>
<th>Cap.</th>
<th>MCA</th>
<th>Amps</th>
<th>Lbs</th>
<th>LRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF250HPX</td>
<td>ZP31K5E-TFD</td>
<td>380/440V</td>
<td>50/60 Hz</td>
<td>3Ø</td>
<td>38K</td>
<td>6.20</td>
<td>42K</td>
<td>6.25</td>
<td>NA</td>
<td>9.7</td>
<td>10</td>
</tr>
</tbody>
</table>

- **MIN. CIRCUIT AMPACITY**
- **SIZE WIRE USING THIS:**

---

**Heat Siphon Compressor Mfr Power Supply Req'd @ 60 Hz @ 50 Hz**

- **Run Wire Breaker:**
- **R410a**

**Heat Siphon Compressor:**

- **Model No.:** CF250HPX
- **Power Req’d:** 380/440V 3Ø 50/60Hz
- **Max. Circuit Breaker:** 10 Amps
- **MCA:** 9.7 Amps
- **COMPRESSOR:** 5.4 RLA 38 LRA
- **FAN MOTOR:** 2.1 RLA .39 HP
- **Factory Charged:** 3.35 lbs R410A
- **Design Press.:** 475 PSIG (High and Low Side)
- **BTU Output:** 52,400 BTU/h @ 80°F H2O/80°F AIR (Above Rating at 60 Hz - 43,700 BTU/h @ 50Hz)
- **Conforms to UL Std 1995 Certified to CAN/CSA Std C22.2 No. 236**
- **Outdoor Use:**
  - Direct Connection to SCH40 PVC Pipe Permitted
  - Use Copper Conductors Only (Electric)
  - Caution: Single Wall Heat Exchanger, Not Suitable for Potable Water
  - CSA Certification Is Limited to 60 Hz Only
  - Attention: Echangeur de Chaleur Paroi Simple Ne Pas Raccorder des Conduites d’Eau Potable.

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HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

HEAT SIPHON

MODEL: CF375HP
POWER REQ'D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 40 AMPS
MCA: 38.7 AMPS

COMPRESSOR: 26.3 RLA 134 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 5.85 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 89,000 BTUH @ 80°F H2O/80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
CONFORMS TO UL STD 1995
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STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 Hz ONLY
ATTENTION: ÉCHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITES D’EAU POTABLE.
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MODEL: CF375HP50
POWER REQ'D: 220-240V, 1Ø, 50Hz
MAX. CIRCUIT BREAKER: 40 AMPS
MCA: 30.2 AMPS

COMPRESSOR: 20.2 RLA 128 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 5.85 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 74,200 BTUH @ 80°F H2O/ 80°F AIR

NOT INTENDED FOR 60 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 No. 236

Circuit Breaker Requirements:

- RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE
- SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

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RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

Heat Siphon Compressor Mfr Power Supply Req’d @60 Hz @50 Hz Run Wire Breaker R410a

Model No. Model Number Voltage HZ PH BTUh COP BTUh-COP Cap. MCA Amps Lbs LRA

LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

CF375HPX ZP54K5E-TFD 380/440 50/60 1 89K 6.24 74.2K 6.24 NA 12.9 20 5.85 51.5
HEAT SIPHON MODEL NOMENCLATURE PLATES

MODEL: CF575HP
POWER REQ'D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 50 AMPS
MCA: 46.7 AMPS

COMPRRESSOR: 32.1 RLA 148 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 117,400 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY(ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 Hz ONLY
ATTENTION: ÉCHANGEUR DE CHALEUR PAROI SIMPLE
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SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE
HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

Heat Siphon Compressor Mfr Power Supply Req'd @60 Hz @50 Hz Run Wire Breaker R410a
Model No. Model Number Voltage HZ PH BTUh-COP BTUh-COP Cap. MCA Amps Lbs LRA
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

WEB EDITION: WEB NAMEPLATE R410A Models
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HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

HEAT SIPHON®
MODEL: CF575HP3
POWER REQ'D: 208-230 3Ø 60Hz
MAX. CIRCUIT BREAKER: 40 AMPS
MCA: 34.5 AMPS

COMPRESSOR: 23.2 RLA 164 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 120,800 BTUH @ 80°F H2O/80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITES D’EAU POTABLE.
For More Technical Info. Visit •WWW.HEATSIPHON.COM

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WE PERFORM TO KEEP YOU WARM™
HEAT SIPHON MODEL NOMENCLATURE PLATES

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

[Diagram showing the nameplate of a Heat Siphon model, including specifications such as model number, power requirements, and circuit breaker size recommendations.]
HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

HEAT SIPHON®
MODEL: CF575HPX
POWER REQ'D: 380/440 3Ø 50/60Hz
MAX. CIRCUIT BREAKER: 20 AMPS
MCA: 17.7 AMPS
SERIAL NO.

COMPRRESSOR: 11.2 RLA 134 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 120,800 BTUH @ 80°F H2O/ 80°F AIR
(Above Rating at 60 Hz - 97,800 BTUH @ 50Hz)
LOW AIR COP ≤ 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY(ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
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HEAT SIPHON MODEL NOMENCLATURE PLATES

**HEAT SIPHON**

**MODEL: ZF200HP**

- **POWER REQ'D:** 208-230 V, 1Ø, 60Hz
- **MAX. CIRCUIT BREAKER:** 30 AMPS
- **MCA:** 19.8 AMPS

**COMPRESSOR:** 14.1 RLA 73 LRA

**FAN MOTOR:** 2.1 RLA, 39 HP

**FACTORY CHARGED:** 3.25 lbs, R410A

**DESIGN PRESS:** 475 psig (High and Low Side)

**BTU OUTPUT:** 47,000 BTUH @ 80°F H2O/80°F AIR

**NOT INTENDED FOR 50 Hz Operation**

**LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER**

**RATED IN ACCORDANCE WITH ARI STD. 1160**

OUTDOOR USE

DIRECT CONNECTION TO SCH 40 PVC PIPE PERMITTED

USE COPPER CONDUCTORS ONLY (ELECTRIC)

CAUTION: SINGLE WALL HEAT EXCHANGER,

NOT SUITABLE FOR POTABLE WATER

CSA CERTIFICATION IS LIMITED TO 60 Hz ONLY

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HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

HEAT SIPHON®
MODEL: ZF250HP
POWER REQ’D: 208-230 V, 60 Hz
MAX. CIRCUIT BREAKER: 30 AMPS
MCA: 25.4 AMPS

COMPRESSOR: 16.7 RLA 79 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 3.35 lbs R410A
DESIGN PRESS.: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 52,400 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 Hz ONLY
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HEAT SIPHON MODEL NOMENCLATURE PLATES

### RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

<table>
<thead>
<tr>
<th>Model: ZF250HP50</th>
<th>Power Req'd: 220-240 1Ø 50Hz</th>
<th>MAX. CIRCUIT BREAKER: 30 AMPS</th>
<th>MCA: 20.9 AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOT INTENDED FOR 60 Hz Operation**

**Outdoor Use:**
- Direct connection to SCH40 PVC pipe permitted
- Use copper conductors only (electric)
- Caution: Single wall heat exchanger, not suitable for potable water
- CSA certification is limited to 60 Hz only
- Attention: Echangeur de chaleur paroi simple ne pas raccorder des conduites d'eau potable.

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**SIZE WIRE USING THIS:**
- MIN. Circuit Ampacity

**MIN. CIRCUIT AMPACITY**

**RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE**

**CIRCUIT BREAKER SIZE**

**WIRE USING THIS:**

**MIN. CIRCUIT AMPACITY**

**WEB EDITION: WEB NAMEPLATE R410A Models**

**PAGE 50**
HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY
Heat Siphon Model Nomenclature Plates

Model: ZF350HP

Power Req'd: 208-230 1Ø 60Hz
Max. Circuit Breaker: 40 Amps
MCA: 33.4 Amps
Compressor: 25 RLA 134 LRA
Fan Motor: 2.1 RLA .39 HP
Factory Charged: 4.5 lbs R410A
Design Press: 475 PSIG (High and Low Side)
BTU Output: 78,000 BTUH @ 80°F H2O/80°F Air
NOT INTENDED FOR 50 Hz Operation

Recommended/MAXIMUM Circuit Breaker Size

Size Wire Using This:
MIN. CIRCUIT AMPACITY

Recommended/Maximum Circuit Breaker Size
LISTED
2000364
C US
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CERTIFIED TO CAN/CSA
STD C22.2 NO. 236
United States ThermoAmp Inc.
HEAT SIPHON
OUTDOOR USE
MADE IN USA
SERIAL NO.
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RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

HEAT SIPHON MODEL NOMENCLATURE PLATES

ZF375HP Heating Only Models

WEB EDITION: WEB NAMEPLATE R410A Models

MODEL: ZF375HP
POWER REQ'D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 40 AMPS
MCA: 38.7 AMPS

COMPRESSOR: 26.3 RLA 134 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 5.85 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 89,000 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
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HEAT SIPHON MODEL NOMENCLATURE PLATES

<table>
<thead>
<tr>
<th>MODEL: ZF375HP50</th>
<th>POWER REQ'D: 220-240V 1Ø 50Hz</th>
<th>MAX. CIRCUIT BREAKER: 40 AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPRESSOR: 20.2 RLA 128 LRA</td>
<td>FACTORY CHARGED: 5.85 lbs R410A</td>
<td>MCA: 30.2 AMPS</td>
</tr>
<tr>
<td>FAN MOTOR: 2.1 RLA .39 HP</td>
<td>DESIGN PRESS : 475 PSIG (HIGH AND LOW SIDE)</td>
<td></td>
</tr>
<tr>
<td>BTU OUTPUT: 74,200 BTUH @ 80°F H2O/ 80°F AIR</td>
<td>NOT INTENDED FOR 60 Hz Operation</td>
<td></td>
</tr>
<tr>
<td>LOW AIR COP &gt; 4.0 AT 50°F/63%RH/80°F WATER</td>
<td>RATED IN ACCORDANCE WITH ARI STD. 1160</td>
<td></td>
</tr>
<tr>
<td>CONFORMS TO UL STD 1995</td>
<td>CERTIFIED TO CAN/CSA STD C22.2 NO. 236</td>
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RECOMMENDED/_MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

WEB EDITION: WEB NAMEPLATE R410A Models

Heat Siphon Compressor Mfr. Power Supply Req'd. @60 Hz @50 Hz
Run Wire Breaker R410a
Model No. Model Number Voltage HZ PH BTUh-COP BTUh-COP Cap. MCA Amps Lbs LRA

LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

MODEL: ZF375HPX
POWER REQ'D: 380/440V 3Ø 50/60Hz
MAX. CIRCUIT BREAKER: 20 AMPS
MCA: 12.9 AMPS

COMPRessor: 7.8 RLA 51.5 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 5.85 lbs R410A
DESIGN PRESS : 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 89,000 BTUH @ 80°F H2O/ 80°F AIR
(Above Rating at 60 Hz - 74,200 BTUH @ 50Hz)
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH AIR STD. 1160
CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

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RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

MODELS: ZF575HP

POWER REQ'D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 50 AMPS
MCA: 46.7 AMPS

COMPRESSOR: 32.1 RLA 148 LRA
FAN MOTOR: 2.1 RLA 39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 117,400 BTUH @ 80°F H2O/80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

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HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

MODEL: ZF575HP50
POWER REQ'D: 220-240 1Ø 50Hz
MAX. CIRCUIT BREAKER: 50 AMPS
MCA: 43.2 AMPS

MIN. CIRCUIT AMPACITY

COMPRESSOR: 29.5 RLA 176 LRA
FAN MOTOR: 2.1 RLA 39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 97,800 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 60 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

UL LISTED
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

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WEB EDITION: WEB NAMEPLATE R410A Models

Page 57
HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

MCA: 17.7 AMPS
MAX. CIRCUIT BREAKER: 20 AMPS
POWER REQ'D: 414-506V 3Ø 60Hz
COMPRRESSOR: 11.2 RLA 75 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 120,800 BTUH @ 80°F H2O/ 80°F AIR
HEAT SIPHON MODEL NOMENCLATURE PLATES

<table>
<thead>
<tr>
<th>MODEL: ZF575HPX</th>
<th>POWER REQ'D: 380/440 3Ø 50/60Hz</th>
<th>MAX. CIRCUIT BREAKER: 20 AMPS</th>
<th>MCA: 17.7 AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPRESSOR: 11.2 RLA 134 LRA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FAN MOTOR: 2.1 RLA .39 HP</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>FACTORY CHARGED: 6.75 lbs R410A</td>
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</tr>
<tr>
<td>DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)</td>
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<td></td>
</tr>
<tr>
<td>BTU OUTPUT: 120,800 BTUH @ 80°F H2O/80°F AIR</td>
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<td></td>
</tr>
<tr>
<td>Low AIR COP &gt; 4.0 AT 50°F/63%RH/80°F WATER</td>
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</tr>
<tr>
<td>Rated in accordance with ARI STD: 1160</td>
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<tr>
<td>CONFORMS TO UL STD 1995 CERTIFIED TO CAN/CSA STD C22.2 NO. 236</td>
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</tbody>
</table>

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
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**RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE**

**SIZE WIRE USING THIS:** MIN. CIRCUIT AMPACITY

---

**HEAT SIPHON®**

**MODEL: ZF700HP**

**POWER REQ'D:** 208-230 1Ø 60Hz

**MAX. CIRCUIT BREAKER:** 50 AMPS

**MCA:** 46.7 AMPS

**MIN. CIRCUIT AMPACITY**

**OUTDOOR USE**

DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED

USE COPPER CONDUCTORS ONLY (ELECTRIC)

**CAUTION:** SINGLE WALL HEAT EXCHANGER,

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CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY

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HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

Heat Siphon Compressor Mfr Power Supply Req’d @60Hz @50Hz Run Wire Breaker R410a
Model No. Model Number Voltage HZ PH BTUh-COP BTUh-COP Cap. MCA Amps Lbs LRA
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

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HEAT SIPHON MODEL NOMENCLATURE PLATES

<table>
<thead>
<tr>
<th>HEAT SIPHON®</th>
<th>MADE IN USA</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL: ZF700HP4</td>
<td>POWER REQ'D: 414-506V 3Ø 60Hz</td>
</tr>
<tr>
<td>MAX. CIRCUIT BREAKER: 20 AMPS</td>
<td>FACTORY CHARGED: 8.5 lbs R410A</td>
</tr>
<tr>
<td>MCA: 19.1 AMPS</td>
<td>COMPRESSOR: 12.2 RLA 100 LRA</td>
</tr>
<tr>
<td>FAN MOTOR: 2.1 RLA .39 HP</td>
<td>DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)</td>
</tr>
<tr>
<td>FACTORY CHARGED: 8.5 lbs R410A</td>
<td>BTU OUTPUT: 134,500 BTUH @ 80°F H2O/80°F AIR</td>
</tr>
<tr>
<td>NOT INTENDED FOR 50 Hz Operation</td>
<td>CONFORMS TO UL STD 1995</td>
</tr>
<tr>
<td>LOW AIR COP &gt; 4.0 AT 50°F/63%RH/80°F WATER</td>
<td>CERTIFIED TO CAN/CSA</td>
</tr>
<tr>
<td>RATED IN ACCORDANCE WITH AIR STD: 1160</td>
<td>STD C22.2 NO. 236</td>
</tr>
</tbody>
</table>

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

<table>
<thead>
<tr>
<th>SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY</th>
</tr>
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<tbody>
<tr>
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<tr>
<td>FACTORY CHARGED: 8.5 lbs R410A</td>
</tr>
<tr>
<td>COMPRESSOR: 12.2 RLA 100 LRA</td>
</tr>
<tr>
<td>FAN MOTOR: 2.1 RLA .39 HP</td>
</tr>
<tr>
<td>FACTORY CHARGED: 8.5 lbs R410A</td>
</tr>
<tr>
<td>COMPRESSOR: 12.2 RLA 100 LRA</td>
</tr>
<tr>
<td>FAN MOTOR: 2.1 RLA .39 HP</td>
</tr>
</tbody>
</table>

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HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

HEAT SIPHON

MODEL: ZF700HPX
POWER REQ'D: 380/440V 3Ø 50/60Hz
MAX. CIRCUIT BREAKER: 20 AMPS
MCA: 19.1 AMPS

COMPRESSOR: 12.2 RLA 101 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 8.5 lbs R410A
DESIGN PRESS.: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 134,500 BTUH @ 80°F H2O/ 80°F AIR
(Above Rating at 50Hz - 112,500 BTUH @ 50Hz)
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA STD C22.2 NO. 236

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HEAT SIPHON MODEL NOMENCLATURE PLATES

MODEL: ZF575HC
POWER REQ'D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 50 AMPS
MCA: 46.7 AMPS

COMPRESSOR: 32.1 RLA 148 LRA
FAN MOTOR: 2.1 RLA 39 HP
FACTORY CHARGED: 9.2 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 114,800 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
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1223 HEAT SIPHON LANE • LATROBE, PA 15650 • 724-537-3500
WE PERFORM TO KEEP YOU WARM™
HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

Heat Siphon Compressor Mfr Power Supply Req'd @60 Hz @50 Hz Run Wire Breaker R410a
Model No. Model Number Voltage HZ PH BTUh-COP BTUh-COP Cap. MCA Amps Lbs LRA
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160

MODEL: ZF575HC50
POWER REQ'D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 50 AMPS
MCA: 43.2 AMPS

COMPRESSOR: 29.5 RLA 176 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 9.2 lbs R410A
DESIGN PRESS.: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 97,800 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH AIR STD: 1160
CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY(ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACCORDER DES CONDUITES D'EAU POTABLE.
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RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

HEAT SIPHON
MODEL: ZF575HC3
POWER REQ'D: 208-230 3Ø 60Hz
MAX. CIRCUIT BREAKER: 40 AMPS
MCA: 34.5 AMPS

COMPRESSOR: 23.2 RLA 164 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 9.2 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 115,800 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation
LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER
RATED IN ACCORDANCE WITH ARI STD. 1160
CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 No. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 Hz ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACCORDER DES CONDUITES D’EAU POTABLE.

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**HEAT SIPHON®**

MODEL: ZF575CP

POWER REQ'D: 208-230 1Ø 60Hz
MAX. CIRCUIT BREAKER: 50 AMPS
MCA: 46.7 AMPS

COMPRESSOR: 32.1 RLA 148 LRA
FAN MOTOR: 2.1 RLA 39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 98,000 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation

CONFORMS TO UL STD 1995
CERTIFIED TO CAN/CSA
STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITES D'EAU POTABLE.

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RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS:
MIN. CIRCUIT AMPACITY

HEAT SIPHON®

MODEL: ZF575CP3
POWER REQ'D: 208-230 3Ø 60Hz
MAX. CIRCUIT BREAKER: 40 AMPS
MCA: 34.5 AMPS

SERIAL NO.

COMPRESSOR: 23.2 RLA 164 LRA
FAN MOTOR: 2.1 RLA .39 HP
FACTORY CHARGED: 6.75 lbs R410A
DESIGN PRESS.: 475 PSIG (HIGH AND LOW SIDE)
BTU OUTPUT: 98,000 BTUH @ 80°F H2O/ 80°F AIR
NOT INTENDED FOR 50 Hz Operation

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C US
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STD C22.2 NO. 236

OUTDOOR USE
DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED
USE COPPER CONDUCTORS ONLY (ELECTRIC)
CAUTION: SINGLE WALL HEAT EXCHANGER,
NOT SUITABLE FOR POTABLE WATER
CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY
ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE
NE PAS RACORDER DES CONDUITES D’EAU POTABLE.

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**Recommended/Maximum Circuit Breaker Size**

**Size Wire Using This:**
Min. Circuit Ampacity

**Heat Siphon Compressor Model: ZF575CP4**

- **Power Req'd:** 414-506V 3Ø 60Hz
- **Max. Circuit Breaker:** 20 Amps
- **MCA:** 17.7 Amps
- **Compressor:** 11.2 RLA 75 LRA
- **Fan Motor:** 2.1 RLA .39 HP
- **Factory Charged:** 6.75 lbs R410A
- **Design Press.:** 475 PSIG (High and Low Side)
- **BTU Output:** 98,000 BTUH @ 80°F H2O/80°F Air
- **NOT INTENDED FOR 50 Hz Operation**

**Outdoor Use**

- Direct connection to SCH40 PVC pipe permitted
- Use copper conductors only (electric)
- Caution: Single wall heat exchanger, not suitable for potable water
- CSA Certification is limited to 60 Hz only
- Attention: Echangeur de chaleur paroi simple ne pas raccorder des conduites d'eau potable.

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HEAT SIPHON MODEL NOMENCLATURE PLATES

**RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE**

**SIZE WIRE USING THIS:**
MIN. CIRCUIT AMPACITY

Wind Edition: WEB NAMEPLATE R410A Models

**MODEL:** ZF575CPX

**POWER REQ'D:** 380/440 3Ø 50/60Hz

**MAX. CIRCUIT BREAKER:** 20 AMPS

**MCA:** 17.7 AMPS

**COMPRRESSOR:** 11.2 RLA 134 LRA

**FAN MOTOR:** 2.1 RLA 39 HP

**FACTORY CHARGED:** 6.75 lbs R410A

**DESIGN PRESS:** 475 PSIG (HIGH AND LOW SIDE)

**BTU OUTPUT:** 98,000 BTUH @ 80°F H2O/ 80°F AIR

(Above Rating at 60 Hz - 97,800 BTUH @ 50Hz)

**CONFORMS TO UL STD 1995 CERTIFIED TO CAN/CSA STD C22.2 NO. 236**

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HEAT SIPHON MODEL NOMENCLATURE PLATES

RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE

SIZE WIRE USING THIS: MIN. CIRCUIT AMPACITY

WEB EDITION: WEB NAMEPLATE R410A Models

Heat Siphon Compressor Mfr Power Supply Req’d @60 Hz @50 Hz Run Wire Breaker R410a

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Model Number</th>
<th>Voltage</th>
<th>HZ</th>
<th>PH</th>
<th>BTUh-COP @60 Hz</th>
<th>BTUh-COP @50 Hz</th>
<th>Cap.</th>
<th>MCA</th>
<th>Amps</th>
<th>Lbs</th>
<th>LRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z375CP ZP54K5E-PFV</td>
<td>208-230</td>
<td>1Ø</td>
<td>60</td>
<td>89K</td>
<td>-</td>
<td>-</td>
<td>40</td>
<td>38.7</td>
<td>40</td>
<td>5.85</td>
<td>140</td>
</tr>
</tbody>
</table>

EXPERIMENTAL Models

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HEAT SIPHON MODEL NOMENCLATURE PLATES

<table>
<thead>
<tr>
<th>MODEL: ZC575HP50</th>
</tr>
</thead>
<tbody>
<tr>
<td>POWER REQ'D: 220-240V 1Ø 50Hz</td>
</tr>
<tr>
<td>MAX. CIRCUIT BREAKER: 40 AMPS</td>
</tr>
<tr>
<td>MCA: 38.4 AMPS</td>
</tr>
</tbody>
</table>

- **COMPRESSOR:** 29 RLA 130 LRA
- **FAN MOTOR:** 2.1 RLA .39 HP
- **FACTORY CHARGED:** 6.85 lbs R410A
- **DESIGN PRESS:** 475 PSIG (HIGH AND LOW SIDE)
- **BTU OUTPUT:** 94,500 BTUH @ 80°F H2O/80°F AIR
- **NOT INTENDED FOR 60 Hz Operation**

**RECOMMENDED/ MAXIMUM CIRCUIT BREAKER SIZE**

**SIZE WIRE USING THIS:** MIN. CIRCUIT AMPACITY

**WEB EDITION: WEB NAMEPLATE R410A Models**

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