

Refrigerant Piping



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Job Information

Job Name: MORGAN (PLUMB LEVEL)

Location: LAKE CITY

Contact:

Engineer:

Architect:

Building Name:

Phone:

Phone:

Phone:

System Information

System ID:

Date: 5/5/2021

Apartment:

Floor:

Unit Information

Model#: 4TWR4060E1

Unit Type: Heat Pump

Compressor Type: Scroll

Capacity: 60000 btuh

of Compressors: Single Compressor

Refrigerant Type: R-410A

Manifolded Compressors: No

Unit Location: Horizontal with Indoor Unit

of Linesets: 1 Lineset will be Required

Linear Length: 20 feet

Short Elbows: 0

Vertical Change: 0 feet

Long Elbows: 4

Service Valve: 3/8 in. Liquid

Service Valve: 1 1/8 in. Vapor

Option 1 Sizing

Liquid Line Size: 3/8 in

Vapor Line Size: 3/4 in

Liquid Line Drop: 8.5 psi.

Vapor Line Drop: 4.4 psi.

Additional Charge: .20 lbs.

Capacity Loss: 538 BTUH (Ht.)

Name Plate Charge: 13.8 lbs.

Total Charge: 14.00 lbs.

Required Accessories:

1. Sump Heat
Sump Heat and TXV required if system charge exceeds 10.5 lbs.
See Product Data Manual For Compressor Versus Sump Heat.
2. Indoor TXV

Option 2 Sizing

Liquid Line Size: 3/8 in

Vapor Line Size: 3/4 in

Liquid Line Drop: 8.5 psi.

Vapor Line Drop: 4.4 psi.

Additional Charge: .20 lbs.

Capacity Loss: 538 BTUH (Ht.)

Name Plate Charge: 13.8 lbs.

Total Charge: 14.00 lbs.

Required Accessories:

1. Sump Heat
Sump Heat and TXV required if system charge exceeds 10.5 lbs.
See Product Data Manual For Compressor Versus Sump Heat.
2. Indoor TXV

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