



Product Catalog

Trane Rental Services

Low Temp Air Handling Unit



September 2026

TEMP-PRC015A-EN

TRANE
TECHNOLOGIES™



Introduction

Contact Trane Rental Services (TRS) for availability of equipment prior to ordering rental equipment. Equipment is available on a first come, first-serve basis, but can be reserved with a signed rental agreement.

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Applications Considerations

Waterside

- The low temp air handling units should only be used for applications that are well insulated.
- Low temp air handling units are specifically designed for cooler, freezer type applications where there is a requirement for air temperatures below 32°F. In these applications, the use of glycol is highly recommended.
- This equipment is designed to be placed indoors. Special steps need to be taken to run drain lines to their proper building site drainage.

Airside

Table 1. Air handling units

Models	F0	F1	F2
Constant Volume	Yes	Yes	Yes
VFD	No	Yes	Yes
Fan Bypass	No	Soft Start	Across the Line
Supply Duct Connections Qty/Size (-in.)	(1) 36	(4) 20	(4) 20
Return Air Connections	No	No	No

All models provide constant volume to the space.

Note: For applications operating above 32°F, confirm the fan face velocity does not exceed 650 FPM to prevent moisture carryover.

Important: F0 units do not have VFD capabilities. Airflow modulation can only be achieved by restricting the airflow. Contact Trane Rental Services for suggestions on accomplishing this task.

Water Treatment

Dirt, scale, products of corrosion, and other foreign material will adversely affect heat transfer. It is good practice to add strainers upstream the cooling coils to efficiently help transfer heat.

Multiple AHU Applications

In order to prevent a decrease in airflow supply due to excessive frozen coils, the unit triggers a timed defrost cycle. While the cycle is on, the fan will be turned off and cooling will not be provided. In order to continuously meet building load requirements TRS recommends the use of at least one additional AHU to meet the building cooling load while other unit(s) are in a defrost cycle.



Model Number Description

Digit 1, 2 — Unit Model

RS = Rental Services

Digit 3, 4 — Unit Type

AL = Air Handling Unit (Low temp)

Digit 5, 6, 7, 8 — Nominal Tonnage

0030 = 30 Tons

Digit 9 — Voltage

F = 460/60/3

Digit 10 — Design Sequence

0 to 9

Digit 11, 12 — Incremental Designator

AA = Incremental Designator



General Information

RSAL0030F0

Table 2. Unit details

Labels	Value
Model Number	PCC-1L-3210-4-7.5
Ambient Operating Conditions	-20°F to 100°F ^(a)

^(a) For ambient conditions below 40°F, glycol is recommended.

Table 3. Airside — general data

Labels	Value
Discharge Air Configuration	Horizontal
Supply Flex Duct Connection Qty and Size	(1) 36-in. round ^(a)
Nominal Air Flow (cfm)	12,100 ^(b)
Discharge Static Pressure @ Nominal Airflow	1.5-in. ESP
Maximum Air Flow (cfm)	24,500
Discharge Static Pressure @ Maximum Airflow	0.5-in. ESP

Note: Subject to change at any time without notice or liability.

^(a) With long throw adapter.

^(b) Actual airflow is dependent upon external static pressure requirement. Contact Trane Rental Services for specific airflow and static pressure information.

Table 4. Electrical data

Labels	Value
Supply Motor Horsepower	7.5 hp
Supply Motor FLA	11 A
Heater Circuit Capacity	37.73 kW
Heater Circuit FLA	47.35A
Supply Motor Speed	1160 rpm
Fused Disconnect/Circuit Breaker	Yes
Number of Electrical Circuits	1
Voltage Frequency (V/Ph/Hz)	460/3/60
Minimum Circuit Ampacity (MCA)	61 A
Maximum Over current Protection (MOP)	80 A

Note: For additional electrical information contact Trane Rental Services.

Features

- Electric coil defrost with timer and 3-way actuated valve for coil bypass purposes
- Drain pan electrically heated

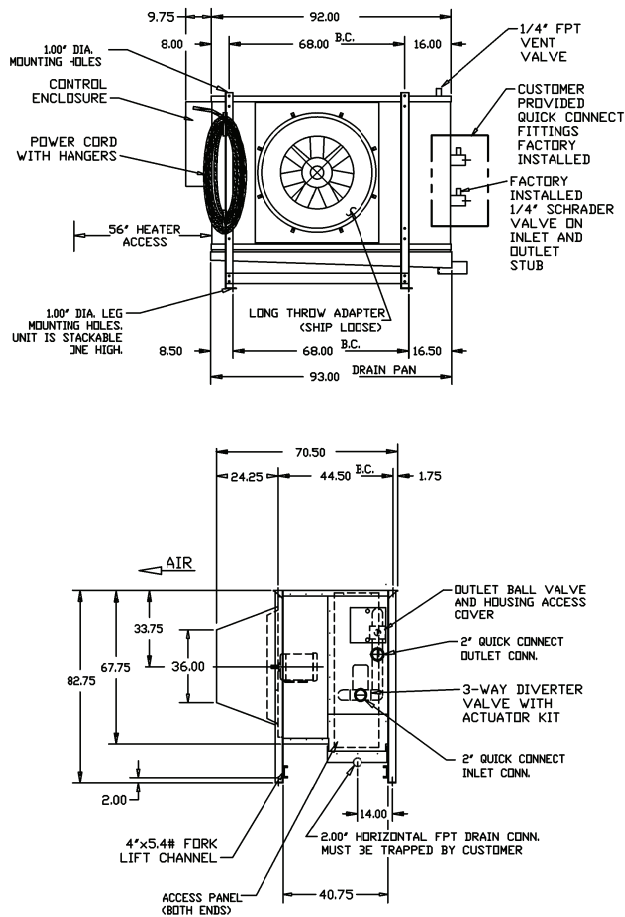
Dimensions and Weights

Table 5. Unit dimensions and weights — RSAL0030F0

Length	9 ft. 6-in.
Width without Long Throw Adapter	4 ft. 4-in.
Width with Long Throw Adapter	6 ft. 0-in.
Height	7 ft. 2-in.
Shipping Weight	2,463 pounds

Note: Lifting Device: Forklift or crane.

Figure 1. Unit drawing — RSAL0030F0



VOLTAGE = 460V, 60Hz, 3PH
 MCA (MIN CIRCUIT AMPACITY) = 61 AMPS
 MOP (MAX OVERCURRENT PROTECTION) = 80 AMPS
 UNIT POWER CONNECTIONS
 45 Ft 8/4 TYPE W POWER CORD INCLUDED

AIRSIDE DATA
 DISCHARGE AIR CONFIGURATION = HORIZONTAL
 DISCHARGE AIR OPENING QTY & SIZE = (1) 36 INCH ROUND
 NOMINAL AIR FLOW = 12,100 CFM
 STATIC PRESSURE @ NOMINAL AIR FLOW = 1.5 INCHES ESP
 MAXIMUM AIR FLOW = 24,500 CFM
 STATIC PRESSURE @ MAX AIR FLOW = 0.5 INCHES ESP

WATERSIDE DATA
 WATER CONNECTION SIZE = 2.5 INCH
 WATER CONNECTION TYPE = GROOVED
 DRAIN PIPE SIZE = 2 INCH
 DRAIN PIPE CONNECTION TYPE = INSIDE THREAD

SHIPPING WEIGHT = 2,463 LBS.

SOUND PRESSURE LEVEL DISTANCE	dBA
3 FT	104
6 FT	100
12 FT	99

Waterside Data RSAL0030F0

Table 6. Connection data

Labels	Value
Water Connection Size	2.5-in.
Water Connection Type	Grooved
Drain Pipe Size	2.0-in.
Drain Pipe Connection Type	Internal Pipe Thread

Table 7. Coil capacity

Coil Type	Entering/Leaving Water Temp (°F)	Water Flow (gpm)	Pressure Drop (ft. of H ₂ O)	Entering/Leaving Air Temp (°F)	Coil Capacity (Btuh)
Chilled Water	0/3.4	70	16.17	14/6.8	105,077
	0/3.9	90	17.39	16/9.7	158,567
	0/3.1	120	27.90	16/9.4	166,583

Notes:

- Selection based on 50 percent propylene glycol/water solution.
- Selection is required for actual AHU performance.
- Contact Trane Rental Services for specific selection information.
- Maximum waterside pressure is 150 psi (2.31 ft. H₂O = 1 psi).



General Information

RSAL0030F1

Table 8. Unit details

Labels	Value
Model Number	PCC-1L-3210-4-7.5
Ambient Operating Conditions	-20°F to 100°F ^(a)

^(a) For ambient conditions below 40°F, glycol is recommended.

Table 9. Airside — general data

Labels	Value
Discharge Air Configuration	Horizontal
Supply Flex Duct Connection Qty and Size	(4) 20-in. round
Nominal Air Flow (cfm)	12,100 ^(a)
Discharge Static Pressure @ Nominal Airflow	1.5-in. ESP
Maximum Air Flow (cfm)	24,500
Discharge Static Pressure @ Maximum Airflow	0.5-in. ESP

Note: Subject to change at any time without notice or liability.

^(a) Actual airflow is dependent upon external static pressure requirement. Contact Trane Rental Services for specific airflow and static pressure information.

Table 10. Electrical data

Labels	Value
Supply Motor Horsepower	7.5 hp
Supply Motor FLA	11 A
Heater Circuit Capacity	37.73 kW
Heater FLA	47.35A
Supply Motor Speed	1160 rpm
Fused Disconnect/Circuit Breaker	Yes
Number of Electrical Circuits	1
Voltage Frequency (V/Ph/Hz)	460/3/60
Minimum Circuit Ampacity (MCA)	61 A
Maximum Over current Protection (MOP)	80 A

Note: For additional electrical information contact Trane Rental Services.

Features

- Electric coil defrost with timer and 3-way actuated valve for coil bypass purposes
- Drain pan electrically heated
- A black powder coated cage with fork pockets
- Electrical control cabinet (NEMA 3R)
- Supply plenum with four, 20-inch round duct outlets
- Rack with 12, 20×16×2-inch filters
- Daisy chain capable

Dimensions and Weights

Table 11. Unit dimensions and weights — RSAL0030F1

Unit	RSAL0030F1AA-CO	RSAL0030F1CP-F1DI
Length	8 ft. 6-in.	8 ft. 5.5-in.
Width without Long Throw Adapter	5 ft. 5-in.	6 ft. 0-in.
Width with Long Throw Adapter	—	—
Height	7 ft. 3-in.	7 ft. 9-in.
Shipping Weight	3,280 pounds	3,680 pounds

Note: Lifting Device: Forklift or crane.

Figure 2. Unit drawing — RSAL0030F1AA-CO

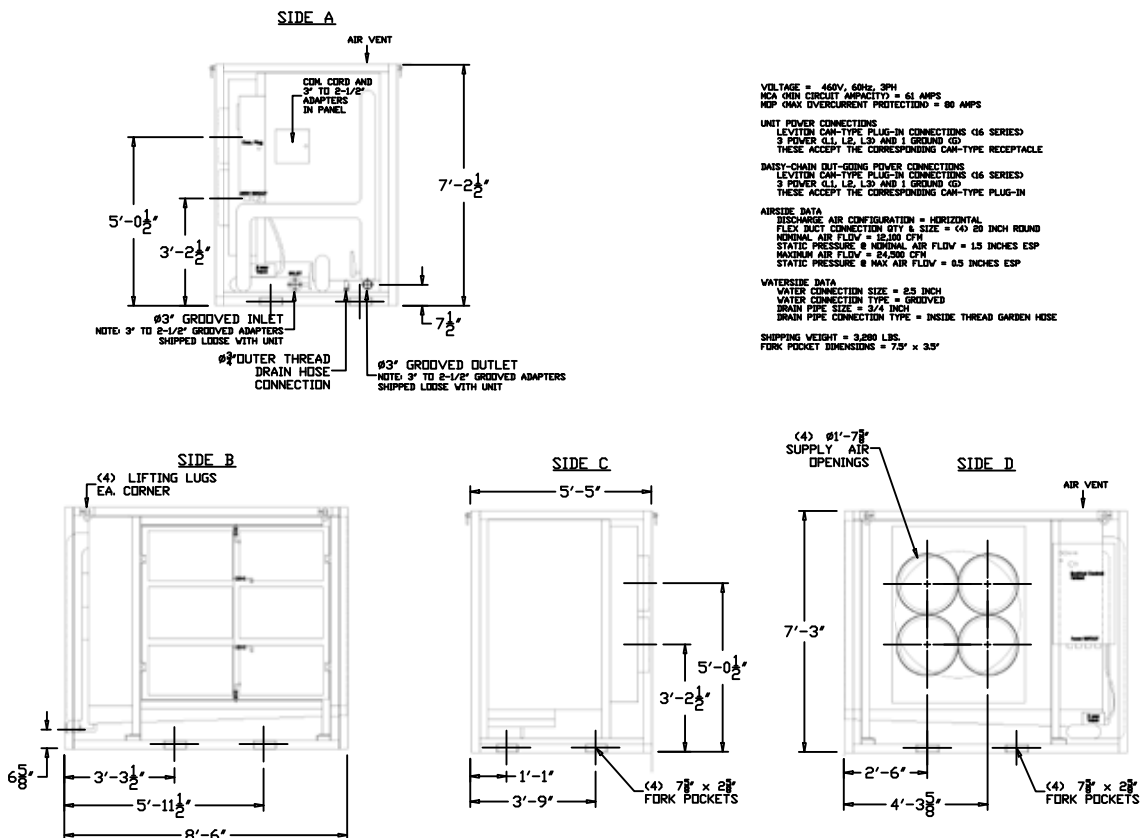
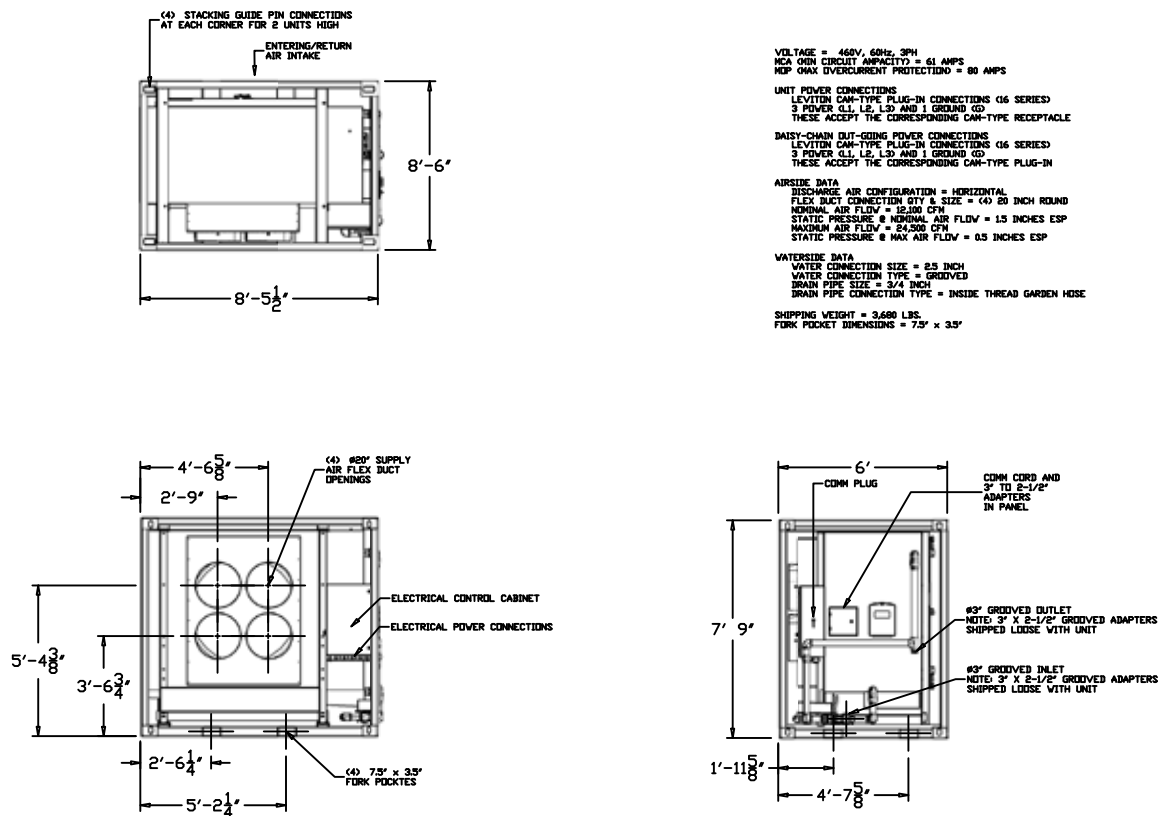


Figure 3. Unit drawing — RSAL0030F1CP-F1DI



Waterside Data RSAL0030F1

Table 12. Connection data

Labels	Value
Water Connection Size	2.5-in.
Water Connection Type	Grooved
Drain Pipe Size	3/4-in.
Drain Pipe Connection Type	Garden Hose

Table 13. Coil capacity

Coil Type	Entering/Leaving Water Temp (°F)	Water Flow (gpm)	Pressure Drop (ft. of H ₂ O)	Entering/Leaving Air Temp (°F)	Coil Capacity (Btuh)
Chilled Water	0/3.4	70	16.17	14/6.8	105,077
	0/3.9	90	17.39	16/9.7	158,567
	0/3.1	120	27.90	16/9.4	166,583

Notes:

- Selection based on 50 percent propylene glycol/water solution.
- Selection is required for actual AHU performance.
- Contact Trane Rental Services for specific selection information.
- Maximum waterside pressure is 150 psi (2.31 ft. H₂O = 1 psi).

RSAL0030F2

Table 14. Unit details

Labels	Value
Model Number	SMTAH1D 035QLT
Ambient Operating Conditions	-20°F to 100°F ^(a)

^(a) For ambient conditions below 40°F, glycol is recommended.

Table 15. Airside — general data

Labels	Value
Discharge Air Configuration	Horizontal and Vertical
Supply Flex Duct Connection Qty and Size	(4) 20-in. round , (2) 24-in. Square
Nominal Air Flow (cfm)	12,100 ^(a)
Discharge Static Pressure @ Nominal Airflow	4-in.ESP
Maximum Air Flow (cfm)	29,000
Discharge Static Pressure @ Maximum Airflow	2.9-in. ESP

Note: Subject to change at any time without notice or liability.

^(a) Actual airflow is dependent upon external static pressure requirement. Contact Trane Rental Services for specific airflow and static pressure information.

Table 16. Electrical data

Labels	Value
Supply Motor Qty / Horsepower	(2) 25 hp
Supply Motor FLA ^(a)	29.1 / Each
Heater Circuit Qty / Capacity	(3) 10.8 kW
Heater FLA	13.6 / Each
Supply Motor Speed	Variable
Fused Disconnect/Circuit Breaker	Yes
Number of Electrical Circuits	1
Voltage Frequency (V/Ph/Hz)	460/3/60
Minimum Circuit Ampacity (MCA)	110 A
Maximum Over current Protection (MOP)	125 A

Note: For additional electrical information contact Trane Rental Services.

^(a) Number of Supply Motors = 2

Features

- NEMA 3R control cabinet with the following components:
 - Phase rotation and under voltage protection module
 - Unit circuit breaker with through handle disconnect
 - Paragon timer for time activated Electric defrost
 - PLC controller for temperature activated defrost
 - Installed control transformer
 - E-Stop
- Oversized stainless steel drain pan with special PVC drain piping arrangement
- Drain shall with thermally controlled heater tape installed



General Information

Dimensions and Weights

Table 17. Unit dimensions and weights — RSAL0030F2

Length	9 ft. 9.5-in.
Width without Long Throw Adapter	7 ft. 5.5-in.
Width with Long Throw Adapter	—
Height	7 ft. 4-in.
Shipping Weight	6,800 pounds

Note: Lifting Device: Forklift or crane.

Figure 4. Fan curves —smart family cooling

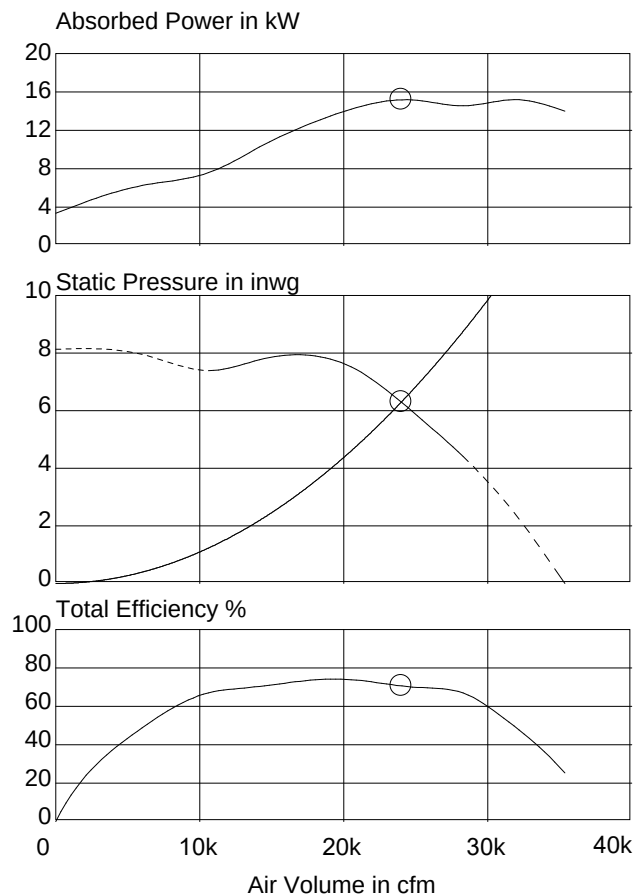
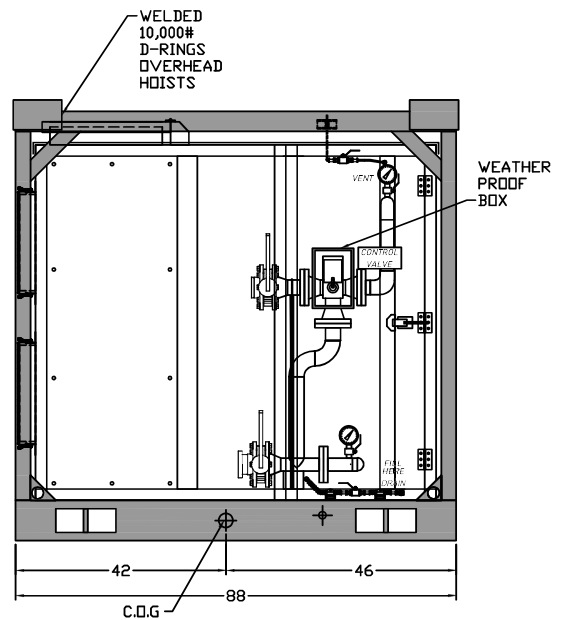
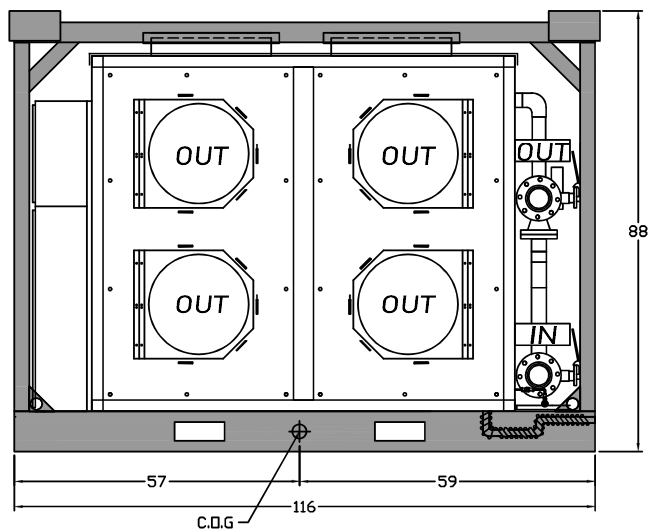
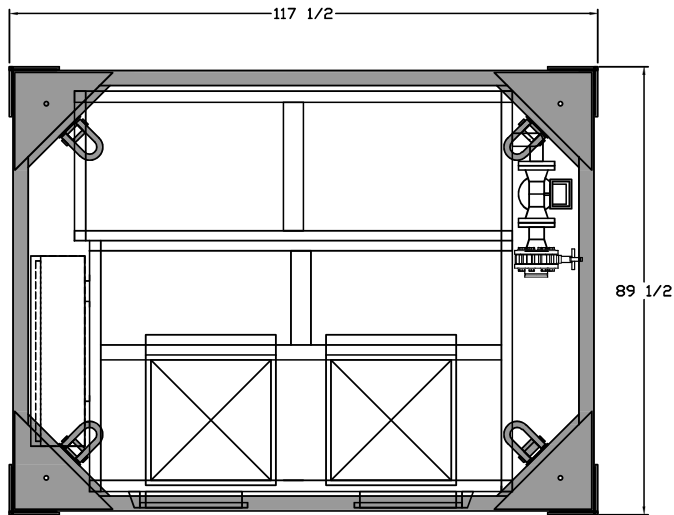


Figure 5. Rigging drawing — RSAL0030F2





General Information

Figure 6. Rigging drawing — RSAL0030F2

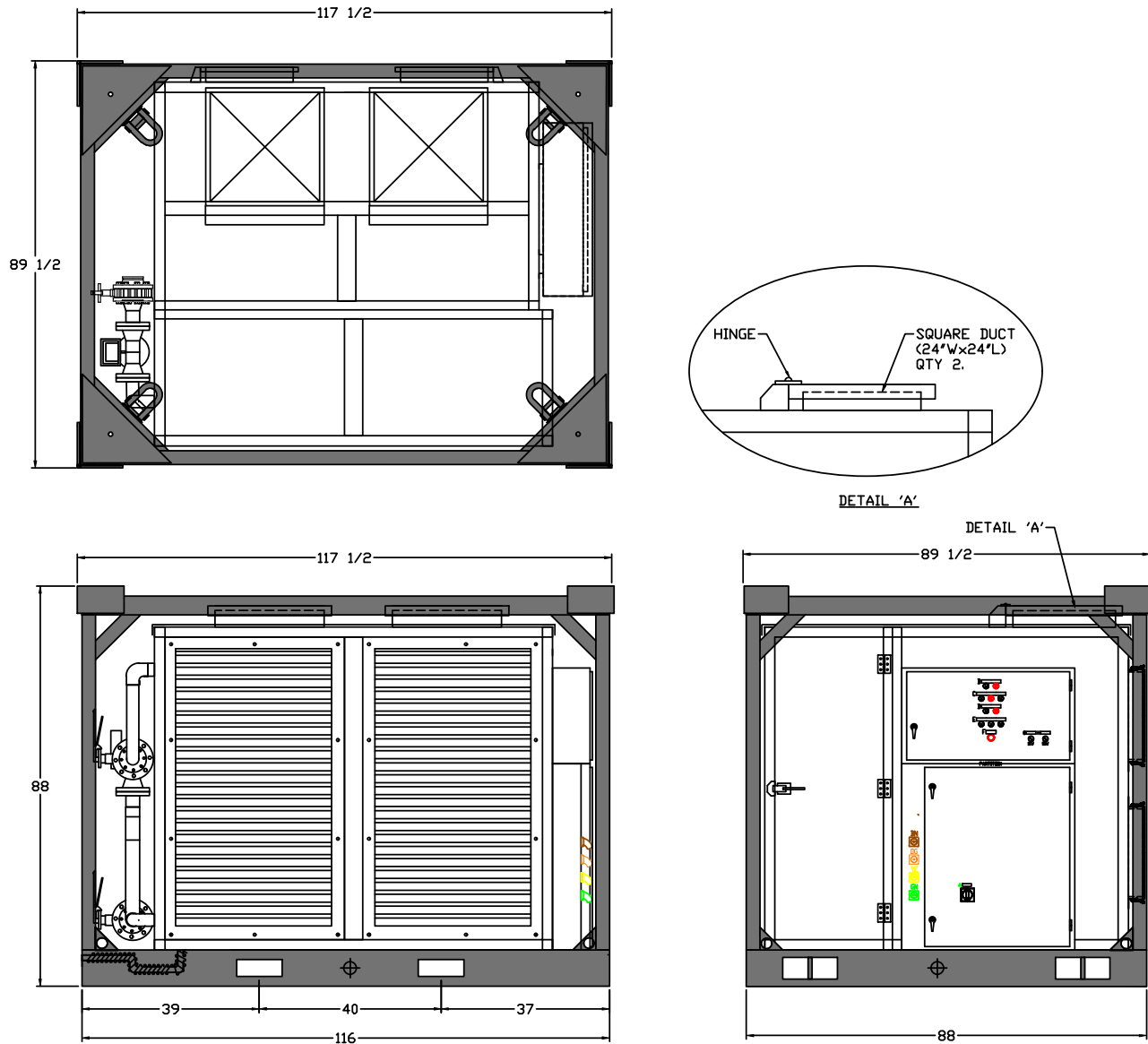
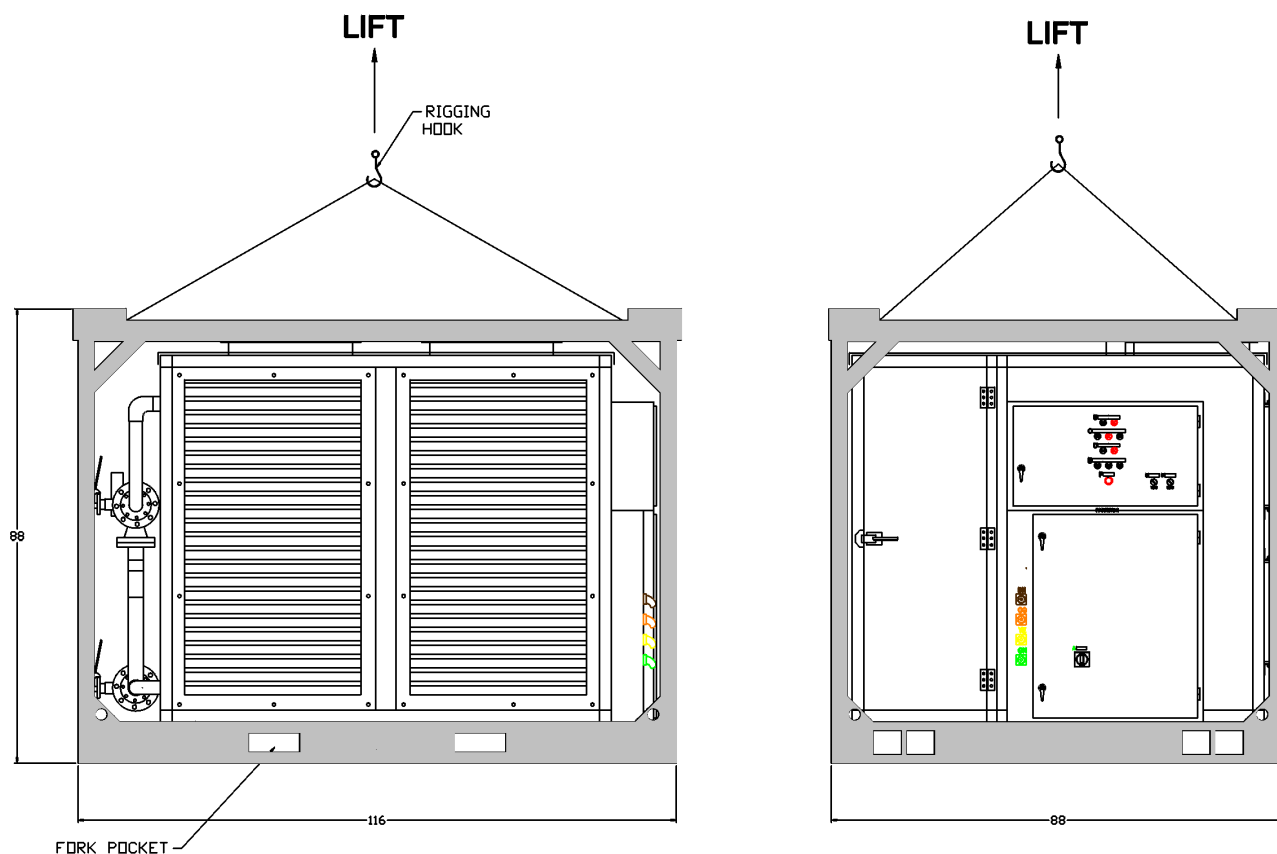


Figure 7. Rigging drawing — RSAL0030F2



Waterside Data RSAL0030F2

Table 18. Connection data

Labels	Value
Water Connection Size	2.5-in.
Water Connection Type	Grooved
Drain Pipe Size	7/8-in.
Drain Pipe Connection Type	Internal Pipe Thread

Table 19. Coil capacity

Unit Model	Coil Type	Entering/Leaving Water Temp (°F)	Water Flow (GPM)	Pressure Drop (ft. H ₂ O)	Entering/Leaving Air Temp (°F)	Coil Capacity (BTUH)
F2	Chilled Water	0.0/2.0	200	71.86	16.0/9.9	177053
		20.0/23.7	250	37.53	44.0/30.1	440734
		0.0/3.07	70	10.55	14.0/7.42	94864
		0.0/2.89	90	13.25	16.0/8.0	114774
		0.0/2.3	120	18.14	16.0/7.52	121763

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