TRIPP-LITE SRCOOLDXRWLTKIT Low-Temperature Kit for In-Row Cooling Units Installation Guide

Installation Guide
Low-Temperature Kit for
SRCOOLDXRW In-Row
Cooling Units
Model: SRCOOLDXRWLTKIT

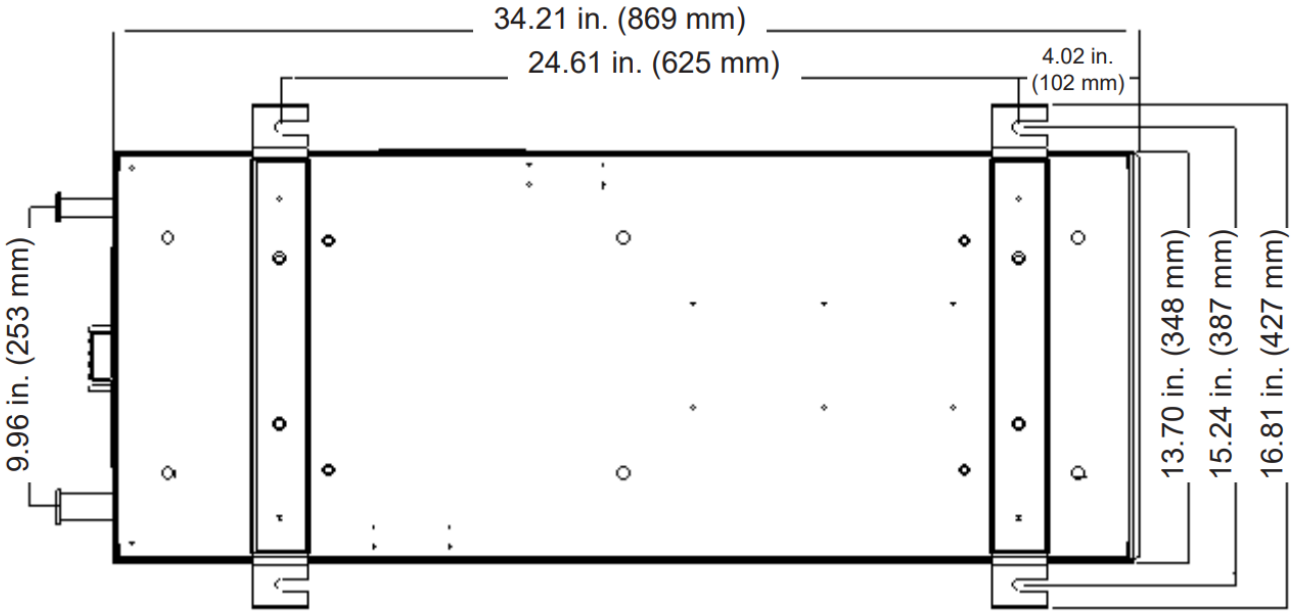
Contents

SRCOOLDXRWLTKIT Low-Temperature Kit for In-Row Cooling Units

When the outdoor ambient temperature is lower than the minimum design temperature of the air-conditioning unit, a low- temperature kit must be installed to ensure normal start-up and operation of the air-conditioning unit.
The low-temperature kit is an integral box, with 4 copper pipes on the outside of the unit to connect the indoor unit and the outdoor unit.

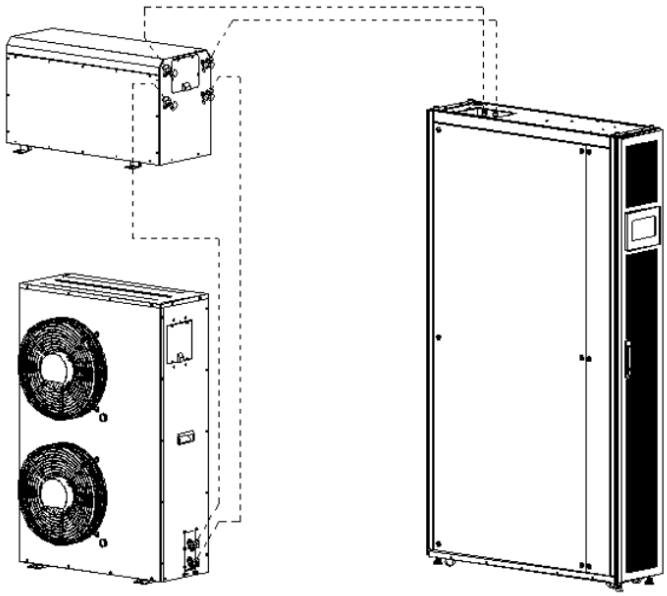
Install the Kit

Install the low-temperature kit base to the support or on the ground.

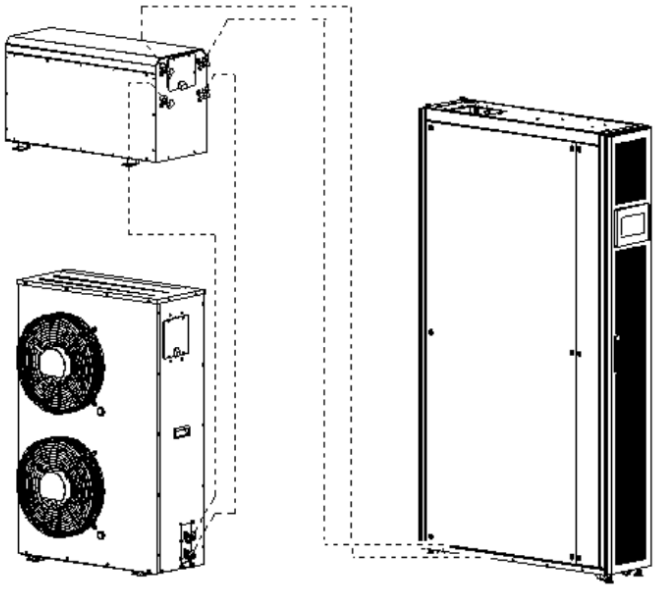


Connect Pipe

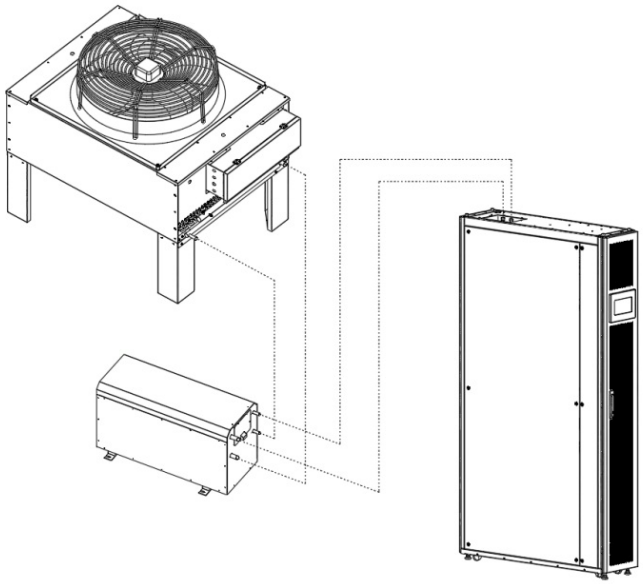
1. Connect the connector labeled “Indoor Unit Gas Line” to the indoor unit’s gas pipe connector.
2. Connect the connector labeled “Outdoor Unit Gas Line” to the outdoor unit’s gas pipe connector.
3. Connect the connector labeled “Indoor Unit Liquid Line” to indoor unit’s liquid pipe connector.
4. Connect the connector labeled “Outdoor Unit Liquid Line” to the outdoor unit’s liquid pipe connector.



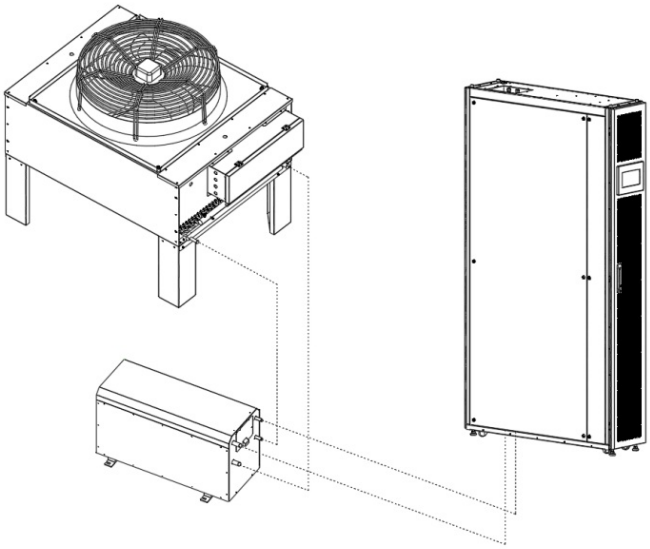
SRCOOLDXRW12 (Top Access)



SRCOOLDXRW12 (Bottom Access)

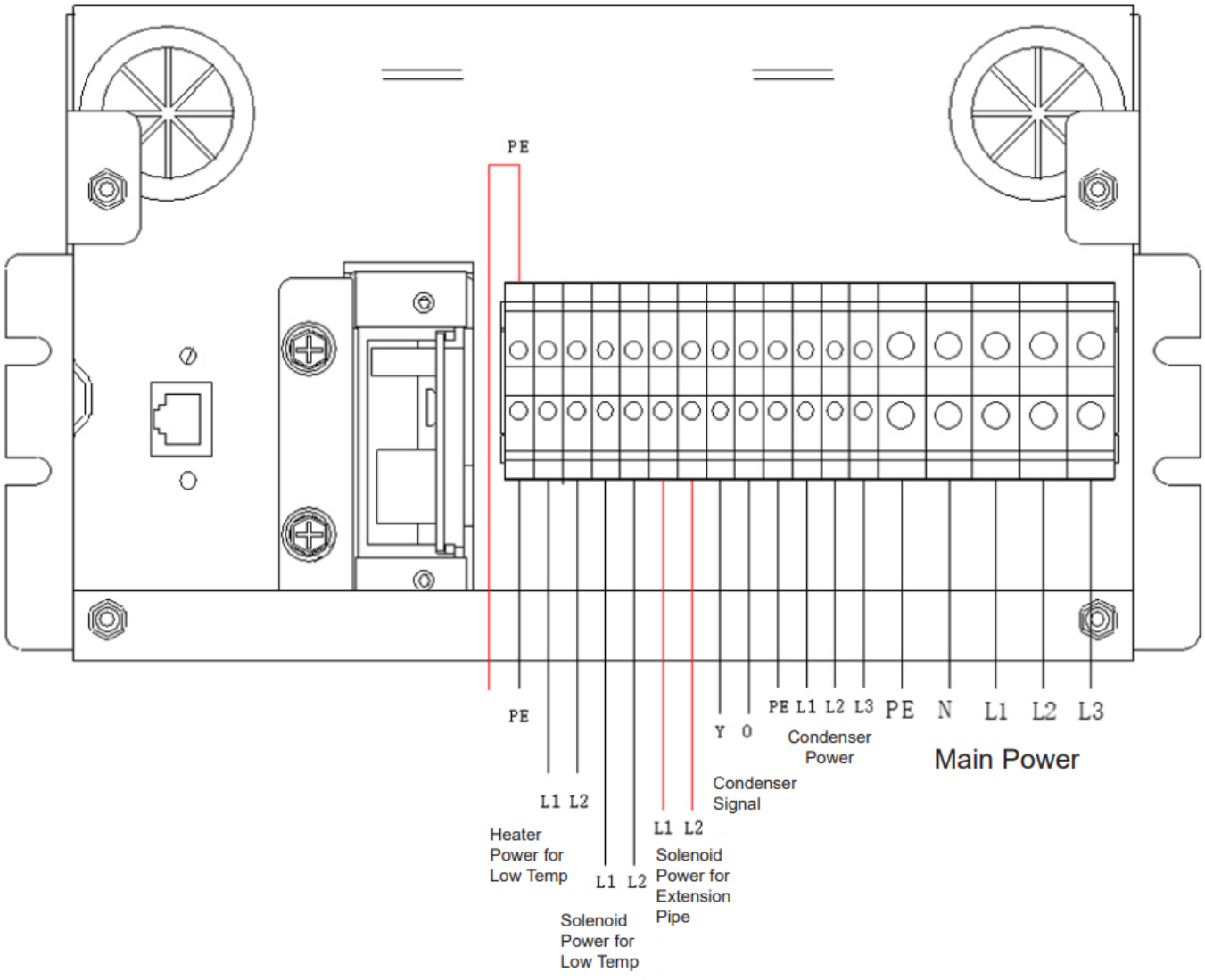


SRCOOLDXRW25 (Top Access)

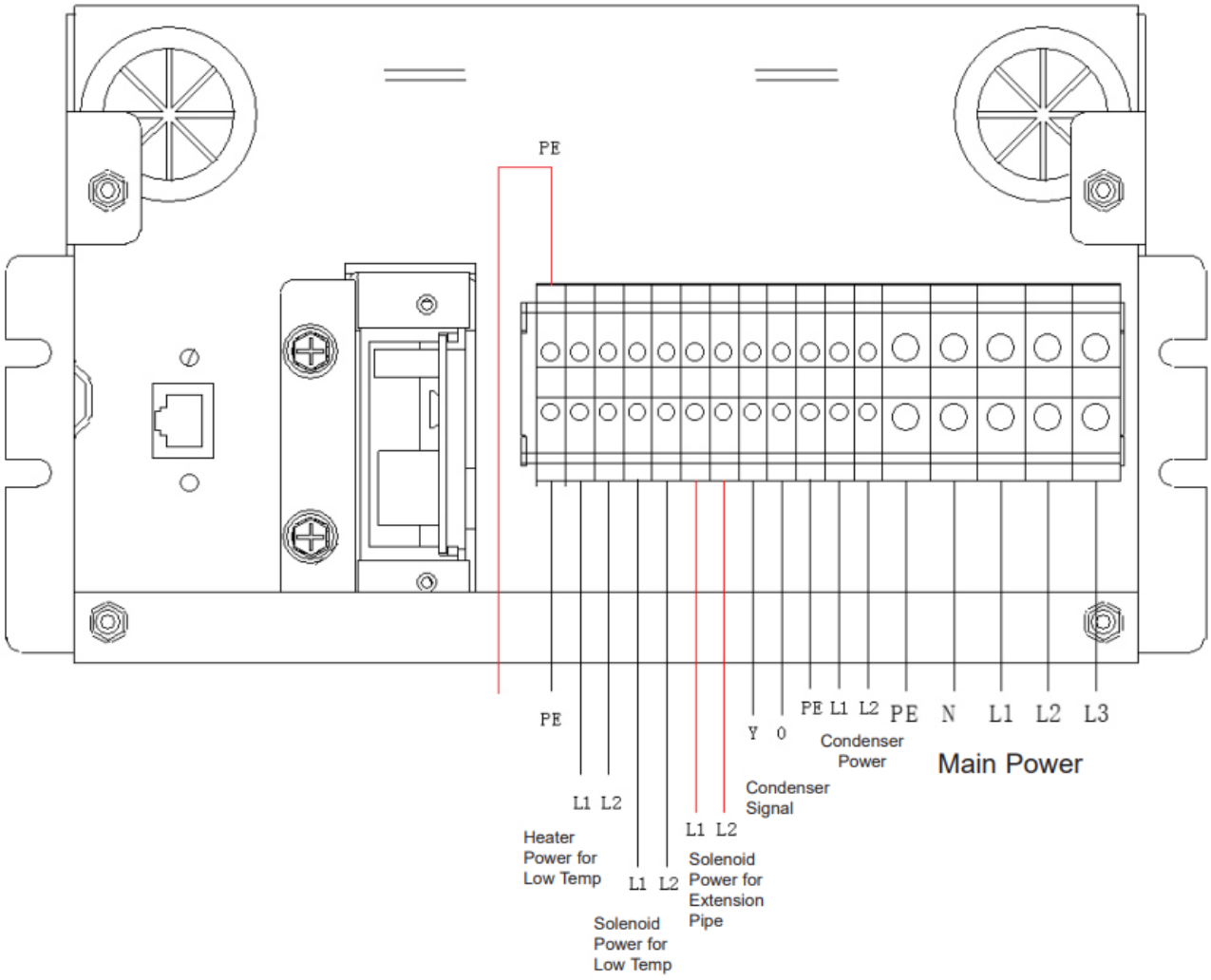


SRCOOLDXRW25 (Bottom Access)

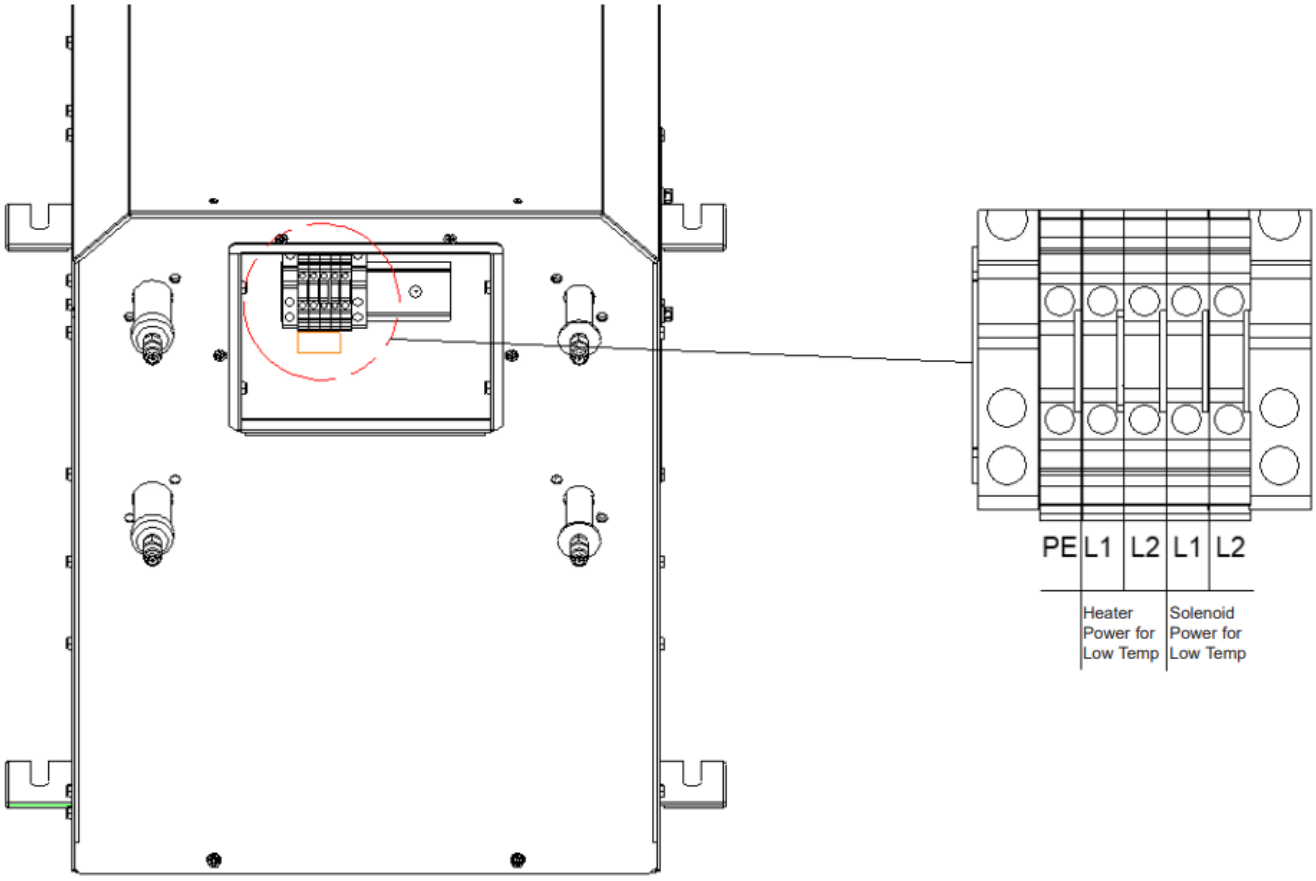
Solenoid Valve Coil Wiring



Connect to SRCOOLDXRW25



Connect to SRCOOLDXRW12



Wiring Connection Box

1. Connect low temperature kit wiring terminals labeled “Solenoid Power for Low Temp (L1 and L2)” and “Heater Power for Low Temp (L1 and L2)” to the indoor unit’s main connection box.
2. Connect the ground cable to the left grounding terminal labeled “PE” on the unit and SRCOOLDXRWLTKIT.

Refrigerant and Oil Charge

When the connecting piping between the In-Row Cooling Unit and the condenser exceeds 33 ft. (10 m), add more refrigerant. Use RL68H (or of the same viscosity) synthetic oil. Calculate the additional amount according to the following formula:

$$\text{Additional amount (lb.)} = \text{Length ratio} \left(\frac{\text{lb.}}{\text{ft.}}\right) \times \text{Liquid line length (ft.)} + 17.6 \text{ (lb.)}$$

Liquid pipe diameter (in.)	Length ratio (lb./ft.)
8-Mar	0.039
2-Jan	0.075
8-May	0.122
4-Mar	0.145
8-Jul	0.243

$$R\ (kg) = \frac{Additional\ amount\ (lb.)}{2.2}$$

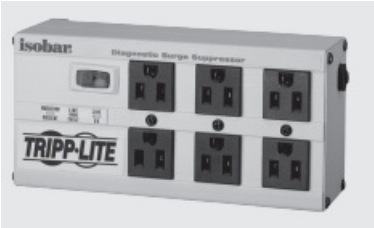
When the length of the connecting piping exceeds 33 ft. (10 m), add lubricating oil using the following formula:

$$L = \frac{R \times 0.25}{0.9} \times 1000$$

L: Amount of lubricating oil to add (ml)
R: Additional refrigerant charge (kg). If piping does not exceed 33 ft. (10 m), only calculate the low-temperature kit amount 17.6 lb. (8kg).
Note: Maximum additional oil is 4L. If calculation is over 4L, do not exceed 4L.

Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice.
Photos and illustrations may differ slightly from actual products.

WARRANTY REGISTRATION



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Documents / Resources

	**TRIPP-LITE SRCOOLDXRWLTKIT Low-Temperature Kit for In-Row Cooling Units** [pdf] Installation Guide SRCOOLDXRWLTKIT Low-Temperature Kit for In-Row Cooling Units, SRCOOLDXRWLTKIT, Low-Temperature Kit for In-Row Cooling Units, Low-Temperature Kit, In-Row Cooling Units, Cooling Units, Units

References

- Help Center | Eaton
- Product Registration | Eaton