

## Up To Date

### Heat Pumps

Several 25HCE4, 25HBC5, 25HHA4, 25HPB6, 25HCB6, CH14 and CH16 heat pumps are still in stock and discounted to move.

### Rebates

With so many heat pump rebates available, be careful on which require natural gas replacement. BayREN does, but federal tax credits and TECH-Clean do not.

### One-Way Cassette

The new ductless one-way cassette units are now in stock.

### Spring Cool Cash

Carrier's Cool Cash consumer rebate has been extended through June 30, 2023. Any qualifying products sold between March 6 and June 30 will be eligible. The new claiming deadline is August 18, 2023 at 4:00 PM.



## What's New on *SiglerTV*

What Makes the Phone  
Ring (7 videos)  
Heat Pump Options  
Performance Series Inverter HP

No, it's not a mini-split, but a dealer with the new 38MURA heat pump

## Performance Series Inverter Heat Pump

The 38MURA is one of the most exciting product launches from Carrier in 2023, but it is a product that can be easily misunderstood. In April, Jon Malkovich and Michael Sardina hosted a training class to explain the applications and that video is now on [www.SiglerTV.com](http://www.SiglerTV.com). Here is a summary of what they discussed:

The 38MURA is an inverter-driven heat pump that looks like a mini-split outdoor unit. However, it's not. In fact, it is more like the now-obsolete 25HHA4 "Slimline" heat pump than any of the mini-split units. It uses a standard lineset with no insulation on the liquid line and 18 gauge thermostat wire. No accessories are required when using a 24V thermostat.

### Multipoise Fan Coil Application

While the FJ4 and FV4 are rated, it's probably best to use the 40MUAA model. This provides one distinct advantage – a communicating wall control. Even though any 24V thermostat can work, using the KSACN1001AAA allows for more precise compressor control and three indoor fan speeds to keep your homeowners comfortable.

### Soffit Fan Coil Application

The 38MURA also works well with Carrier's FMC4Z fan coil. In this application, the compressor will modulate based on measured temperatures and pressures, but the indoor fan speed will not. It may be best to tell your homeowner this is a single-stage system because that's what they will perceive.

### Furnace Application

The last application is a furnace and evaporator coil. The 38MURA is available in two different styles, and this usually requires the high-heat models which end in "AB3". Forget what you learned about Carrier Crossover solutions in the past because this application can likely reuse the existing lineset and wiring. Don't remove the TXV and there is no need to buy any additional accessories to connect a 24V thermostat. Regardless of the furnace, the system will behave like a single-stage system with only one speed indoor airflow. When connected to Y2, the compressor will work quickly to achieve the setpoint. If using a two-stage thermostat, an input to Y1 will allow the compressor to gradually reach setpoint.

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## Technical Support

415.330.6666 (call or text)

## Featured Products

### Li'l Popper

Have you ever been on a job where you used an entire box of fuses trying to troubleshoot the problem? With the Li'l Popper control board circuit breaker, you can more easily troubleshoot problems with less waste. Simply press the button to reset the board!

Sigler Wholesale Distributors now has both the 3 amp and 5 amp models in stock. Ask for a POP3 or POP5 today!



MARS is one of the most trusted brands in the HVAC/R market and Sigler Wholesale Distributors now stocks MARS motors and capacitors.



Both indoor and outdoor fan motors are available in fixed horsepower or multi-horsepower models. Their full line of 440 volt capacitors are made in America and have a five year limited warranty. MARS also makes the popular Turbo 200 and Turbo 200X universal run capacitors.

During the month of June, buy three MARS items and get a fourth of equal or lesser value for free. Now is a great time to stock up for summer!

## Technical Tips

### Q: How much refrigerant do I need to add to this heat pump?

After working all day on an install, it's now time to flip the switch and collect the check, right? Hold up, as a good startup requires that you make sure it's charged properly.

Start by measuring the lineset to calculate the extra refrigerant charge. With multizone systems, you'll have multiple linesets. Add them up to get the total length. Next, grab the install book to see how much refrigerant the factory provides. Don't trust the old rule of thumb – conventional systems and ductless products have different charge lengths and multipliers. For example, a conventional style 38MURAQ24 comes from the factory

charged for nearly 25 feet of lineset. Its extra charge multiplier is 0.69 oz per foot after 25'. On the flip side, a ductless style 38MARBQ24 also comes charged for nearly 25' of lineset but has a multiplier of 0.322 oz. per foot over 25'. Your homework is to determine why one 2 ton system has double the refrigerant requirement for the same lineset length!

It is strongly recommended to charge the 38MURA and all ductless products by weight only. Always use a scale when charging refrigerant. Higher pressures, higher power bills, and higher failure rates will result from overcharging and should be avoided.