

**TO: ALL AIR CONDITIONING DIVISION DISTRIBUTORS****SUBJECT: PROTECH AFTERMARKET COIL PROGRAM**

PROSTOCK is proud to announce our PROTECH Aftermarket Coil Program featuring cased and uncased A-Coils. These A-Coils will make it possible for your company to provide a high quality, alternative replacement coil that can be used on current, non-current and competitor air conditioning units.

New to our PROTECH A-Coil line this year are cased coils. Both A-Coils, cased and uncased, are extremely functional in a wide variety of coil applications. A bi-directional airflow design coil can be ordered with either left or right hand refrigerant connections, allowing for broader installation applications. In addition to a standard drain pan, an optional smaller footprint drain pan can be ordered, enabling the use of these same coils in smaller air handler and furnace models. This optional drain pan is available as a field replacement part or as a complete A-Coil package. This will allow you to drastically reduce your SKU's by stocking the coils with the highest usage while keeping stock of the alternate size of drain pans to meet the wider demand of your customer's needs. (See the attached selection chart for guidelines to choose corresponding coils and drain pans.) All PROTECH Aftermarket A-Coils are ARI listed and have UL approved components. For full ARI listings and matching system information, refer to (<http://www.ari.org/Primenet> Menu) on the web. PROTECH coils can be found through the following web link:

<http://www.ariprimenet.org/ari-prog/direct.nsf?Open>

- The ARI Unitary Directory of Certified Products
  - Unitary Mix-Match Air Conditioning Coils
    - APEX COIL, LLC.
    - PROTECH

The PROTECH Aftermarket A-Coils are available in capacities from 18,000 to 60,000 BTUH. These coils are equipped with a piston-type metering device. Coil capacity adjustments can be configured with an additional sized piston, per system requirements. For heat pump applications, specially designed expansion valves are available as an option. A factory installed equalizer port has been added to the coils for easy expansion valve installation.

Also new this year, PROSTOCK is offering new quantity price discounts that will provide our distributors a great source of competitive pricing schedules. These pricing discounts will allow you to deliver low cost, high quality replacement coils to your customers at drastically reduced prices.

**RHEEM AIR CONDITIONING DIVISION**

Michael Altiner  
Senior Parts Marketing Engineer  
PROSTOCK

## **STEPS TO ENSURE PROPER COIL/DRAIN PAN SELECTION:**

*(All examples below are based on specifications for a 26,000 BTU coil.)*

1. Determine the capacity of the system and the original coil.
2. Measure the original coil height and drain pan width and depth.

*Example: Coil height is 14" and Drain Pan sits on 17"x20" coil rack.*

3. Determine the suction and liquid line connection side.

*Example: Coil has right hand connections.*

4. From the Protech Coil Chart select the BTU range that matches the original coil.

*Example: Using the chart on the following page and matching dimensions, the replacement coil should be selected from the 65-A36 coil group.*

### **A-Coil Specifications**

Part Number	Capacity	Drain Pan	Dimensions (In Inches)						
			A	B	C	D	E	S	L
65-A24MR-61	18,000 - 24,000	68-162DRM-25	16 1/4	11 1/4	19 1/2	16 1/2	12	3/4	3/8
65-A24ML-61	18,000 - 24,000	68-162DRM-25	16 1/4	11 1/4	19 1/2	16 1/2	12	3/4	3/8
65-A24SR-61	18,000 - 24,000	68-162DR-25	16 1/4	11 1/4	20 1/2	16 1/2	12	3/4	3/8
65-A24SL-61	18,000 - 24,000	68-162DR-25	16 1/4	11 1/4	20 1/2	16 1/2	12	3/4	3/8
65-A36MR-74	22,000 - 36,000	68-162DRM-25	16 1/4	11 1/4	19 1/2	16 1/2	16	3/4	3/8
65-A36ML-74	22,000 - 36,000	68-162DRM-25	16 1/4	11 1/4	19 1/2	16 1/2	16	3/4	3/8
65-A36SR-74	22,000 - 36,000	68-162DR-25	16 1/4	11 1/4	20 1/2	16 1/2	16	3/4	3/8
65-A36SL-74	22,000 - 36,000	68-162DR-25	16 1/4	11 1/4	20 1/2	16 1/2	16	3/4	3/8
65-A48MR-84	33,000 - 48,000	68-197DRM-30	19 3/4	13 3/4	19 1/2	16 1/2	18	7/8	3/8
65-A48ML-84	33,000 - 48,000	68-197DRM-30	19 3/4	13 3/4	19 1/2	16 1/2	18	7/8	3/8
65-A48SR-84	33,000 - 48,000	68-197DR-30	19 3/4	13 3/4	20 1/2	16 1/2	18	7/8	3/8
65-A48SL-84	33,000 - 48,000	68-197DR-30	19 3/4	13 3/4	20 1/2	16 1/2	18	7/8	3/8
65-A60MR-93	42,000 - 60,000	68-197DRM-30	19 3/4	13 3/4	19 1/2	16 1/2	20	7/8	3/8
65-A60ML-93	42,000 - 60,000	68-197DRM-30	19 3/4	13 3/4	19 1/2	16 1/2	20	7/8	3/8
65-A60SR-93	42,000 - 60,000	68-197DR-30	19 3/4	13 3/4	20 1/2	16 1/2	20	7/8	3/8
65-A60SL-93	42,000 - 60,000	68-197DR-30	19 3/4	13 3/4	20 1/2	16 1/2	20	7/8	3/8
65-A61SR-93	42,000 - 60,000	68-232DR-30	23 1/4	17 1/4	20 1/2	16 1/2	20	7/8	3/8
65-A61SL-93	42,000 - 60,000	68-232DR-30	23 1/4	17 1/4	20 1/2	16 1/2	20	7/8	3/8

5. Compare the drain pan dimensions and the height of the original coil with the selected

replacement coil dimensions. If the replacement drain pan depth is shorter than the original and the width of the replacement and the original drain pan is not larger than 1 1/2", the replacement coil will fit into the existing unit. (Note: If there are gaps between the drain pan and the coil racks, they can be sealed with sheet metal and will not affect the efficiency of the coil.) If the differences between the drain pan width is larger than 1 1/2", the system may have an airflow problem.

**Example: According to the original drain pan size (15"x20"), the drain pan needed is 68-162DRM-25 (16 1/4" x 19 1/2").**

### A-Coil Specifications

Part Number	Capacity	Drain Pan	Dimensions (In Inches)				
			A	B	C	D	E
65-A24MR-61	18,000 - 24,000	68-162DRM-25	16 1/4	11 1/4	19 1/2	16 1/2	12
65-A24ML-61	18,000 - 24,000	68-162DRM-25	16 1/4	11 1/4	19 1/2	16 1/2	12
65-A24SR-61	18,000 - 24,000	68-162DR-25	16 1/4	11 1/4	20 1/2	16 1/2	12
65-A24SL-61	18,000 - 24,000	68-162DR-25	16 1/4	11 1/4	20 1/2	16 1/2	12
65-A36MR-74	22,000 - 36,000	68-162DRM-25	16 1/4	11 1/4	19 1/2	16 1/2	16
65-A36ML-74	22,000 - 36,000	68-162DRM-25	16 1/4	11 1/4	19 1/2	16 1/2	16
65-A36SR-74	22,000 - 36,000	68-162DR-25	16 1/4	11 1/4	20 1/2	16 1/2	16
65-A36SL-74	22,000 - 36,000	68-162DR-25	16 1/4	11 1/4	20 1/2	16 1/2	16
65-A48MR-84	33,000 - 48,000	68-197DRM-30	19 3/4	13 3/4	19 1/2	16 1/2	18
65-A48ML-84	33,000 - 48,000	68-197DRM-30	19 3/4	13 3/4	19 1/2	16 1/2	18

6. Select the connection sides for the replacement coil.

**Example: Since the original coil has right hand - side connections, the replacement coil to select would be 65-A36MR-74.**

### A-Coil Specifications

Part Number	Capacity	Drain Pan	Dimensions (In Inches)						
			A	B	C	D	E	S	L
65-A24MR-61	18,000 - 24,000	68-162DRM-25	16 1/4	11 1/4	19 1/2	16 1/2	12	3/4	3/8
65-A24ML-61	18,000 - 24,000	68-162DRM-25	16 1/4	11 1/4	19 1/2	16 1/2	12	3/4	3/8
65-A24SR-61	18,000 - 24,000	68-162DR-25	16 1/4	11 1/4	20 1/2	16 1/2	12	3/4	3/8
65-A24SL-61	18,000 - 24,000	68-162DR-25	16 1/4	11 1/4	20 1/2	16 1/2	12	3/4	3/8
65-A36MR-74	22,000 - 36,000	68-162DRM-25	16 1/4	11 1/4	19 1/2	16 1/2	16	3/4	3/8
65-A36ML-74	22,000 - 36,000	68-162DRM-25	16 1/4	11 1/4	19 1/2	16 1/2	16	3/4	3/8
65-A36SR-74	22,000 - 36,000	68-162DR-25	16 1/4	11 1/4	20 1/2	16 1/2	16	3/4	3/8
65-A36SL-74	22,000 - 36,000	68-162DR-25	16 1/4	11 1/4	20 1/2	16 1/2	16	3/4	3/8
65-A48MR-84	33,000 - 48,000	68-197DRM-30	19 3/4	13 3/4	19 1/2	16 1/2	18	7/8	3/8

## **HOW PROTECH AFTERMARKET COILS WILL IMPROVE INVENTORY AVAILABILITY:**

- PROTECH Aftermarket Coils are designed from five (5) master coil structures. These five (5) different A-Coil structures will make up to (18) different replacement coil part numbers. To maximize the benefit of the PROTECH Aftermarket Program, determine the most popular connection side for your specific market. In most cases, the right hand refrigerant connection is the most commonly required. With consideration to your market demand, select the appropriate connection side for your stock. Because most market coil requirements will be right hand-side refrigerant connection, the majority of replacement coil stock should have right hand connections. Feel confident that Prostock will keep both right and left hand connection coils in our inventory ready to meet your coil needs as your requirements fluctuate.
- After selecting the base coil, you will need to determine the most popular size of drain pans. Our records indicate 68-162DRM-25 is the most widely used drain pan dimension in existing models up to 24,000 BTU. Units larger than 24,000 BTU most often require 68-162DR drain pans. By using these guidelines, you can best determine your replacement coil requirements and adjust your inventory levels accordingly for more competitive marketing strategy.

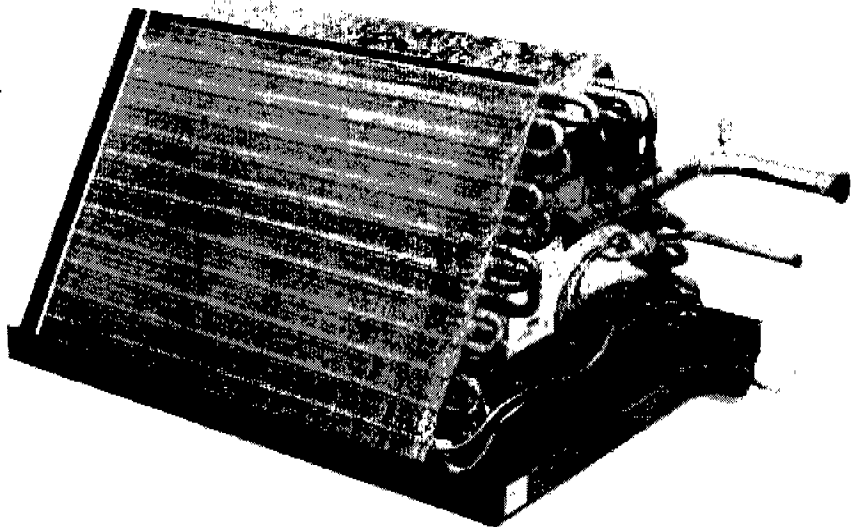
After determining your coil requirements, you will be able to supply replacement coils for most applications, including competitor models. Utilizing the PROTECH Aftermarket Coil Program, you will reduce SKU's in your inventory, increase coil inventory turns, and have greater flexibility in providing your customer's replacement coil needs while positioning your company as a leader in replacement coils in the HVAC industry.

## **HOW DO I EFFECTIVELY STOCK AFTERMARKET COILS & DRAIN PANS?**

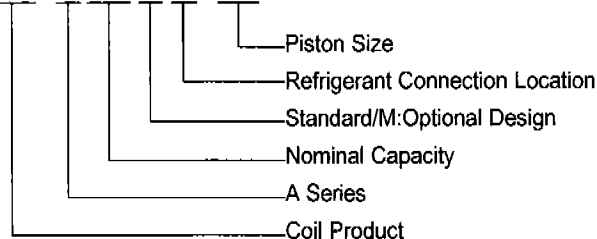
- Most, if not all, refrigerant connections should be right hand-side connection.
- Base coils should be selected from the following coil numbers depending on sales volume and stock ratios.
  - 65-A24MR-61
  - 65-A36SR-74
  - 65-A48SR-84
  - 65-A60SR-93
- In addition to the four (4) coils listed above, you will need to stock a few of the standard drain pans. This drain pan inventory can be used to replace 24,000 BTU coil drain pans if the depth of the drain pan required is larger than 20". With minimal additional investment, PROSTOCK drain pans will provide great flexibility by allowing you to offer two (2) different replacement coils in stock for 24,000 BTU applications.
- Because all PROSTOCK drain pans are interchangeable, you will only have to keep two (2) different size drain pans in stock to match the four (4) base coils listed above. This will enable replacement of several different coil applications while being able to keep less on-hand inventory.

## FEATURES

- \* The Universal Parts Aftermarket Coils are designed to be used as replacement A/C & Heat Pump coils with most upflow furnaces.
- \* All Coils are manufactured for bi-directional airflow.
- \* New Drain Pan design enables coils to replace most obsolete coils.
- \* UL Listed components.
- \* Rifled Copper Tubing.
- \* Standard Piston-Flator Metering Device
- \* Additional pistons provided for lower capacities.
- \* Equalizer port ready for optional TXV installations.
- \* Optional TXV valves available from Universal Parts.
- \* Standard right-hand side connections.
- \* Left-Hand Connection: L.  
Right-Hand Connection: R.
- \* Dual Drain Pan connections.
- \* Dry nitrogen charged.



**65-A24SR-61**



### \* Expansion Valve Part Numbers (Bleed Type):

1.5 through 3 Ton: 61-BFEXV-23

3.5 through 5 Ton: 61-BFEXV-45

### \* Drain Pan Part Numbers:

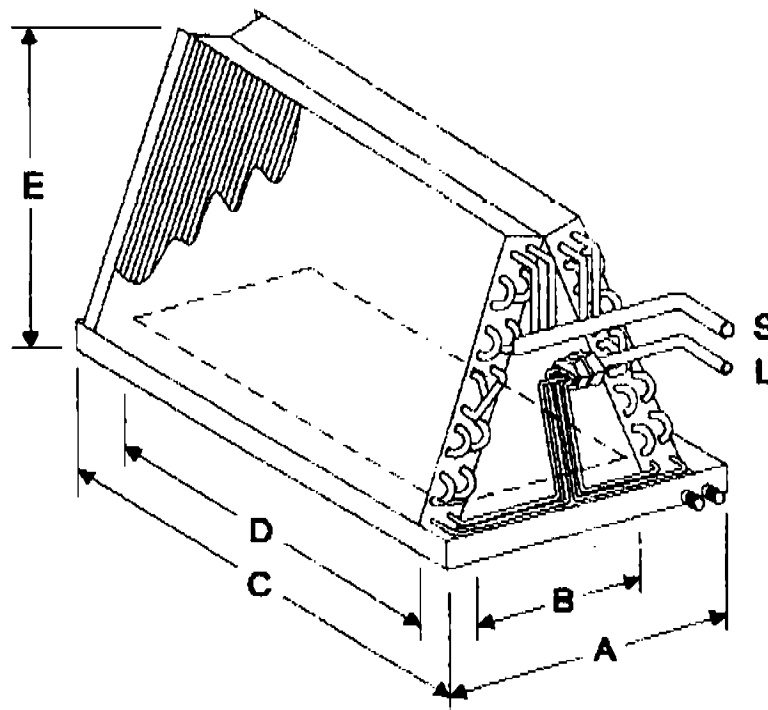
16.2" x 19.5" (2.5" Channel): 68-162DRM-25

16.2" x 20.5" (2.5" Channel): 68-162DR-25

19.7" x 19.5" (3.0" Channel): 68-197DRM-30

19.7" x 20.5" (3.0" Channel): 68-197DR-30

23.2" x 20.5" (3.0" Channel): 68-232DR-30



## A-Coil Specifications

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65-A48ML-84	33,000 - 48,000	68-197DRM-30	19 3/4	13 3/4	19 1/2	16 1/2	18	7/8	3/8
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65-A61SR-93	42,000 - 60,000	68-232DR-30	23 1/4	17 1/4	20 1/2	16 1/2	20	7/8	3/8
65-A61SL-93	42,000 - 60,000	68-232DR-30	23 1/4	17 1/4	20 1/2	16 1/2	20	7/8	3/8