

**Hillphoenix**

Refrigeration  
Systems

## Big Benefits for Large Format Stores.

AdaptaPak Distributed Systems

Food retailers continue to search for ways to reduce costs and improve margins no matter what their size. Traditional supermarkets, mass merchandisers and warehouse membership retailers are reducing their footprints to reduce bottom line costs even as small format stores are getting larger to answer customer demand. The answer in every case points to the increased flexibility and integrated design of AdaptaPak™ by Hillphoenix®.

ADAPTA  
**-pak.**™

- The compressor section is very serviceable and accessible from both sides.
- Compressor compartment can be accessed without interrupting airflow.
- AdaptaPak packs maximum capacity in a small footprint and can be mounted on the roof as easily as outside the store at ground level.
- Complete “high-pressure side” package, including integrated condenser.



### Easy To Install

AdaptaPak™ ships from the factory fully assembled and ready for installation in a new, aesthetically pleasing cabinet. Electrical and refrigeration connections can be grouped together on the same side to make installation a breeze. Even more important, when used as a distributed system by larger format stores, AdaptaPak can be located closer to the loads to reduce refrigerant and piping costs.

### Designed With Maintenance in Mind

AdaptaPak is designed with a complete “high-pressure side” package that includes an integrated condenser. The compressor section is isolated and can be easily accessed while the unit is operational — with no interruption in airflow or need for downtime. Hinged doors on both the compressor and electrical sections provide quick access, while smart design inside leaves plenty of room to easily service and/or maintain internal components.

### AdaptaPak Uses Less Refrigerant, Period

From installation day and every day moving forward, refrigerant costs are less with AdaptaPak. First, because when used as a distributed system, the units can be located closer to each load, lowering the amount and the costs of the initial refrigerant charge. Second, the more efficient, compact design of AdaptaPak contains fewer brazed joints and consequently, fewer locations for costly refrigerant leaks.

### Small Footprint Yields Big Benefits

AdaptaPak packs maximum capacity in a small footprint and can be mounted on the roof as easily as outside the store at ground level. The need for a separate mechanical room inside the store is completely eliminated. This frees up valuable interior floor space that can be put to better use for more product and more sales!



### Base Model Features

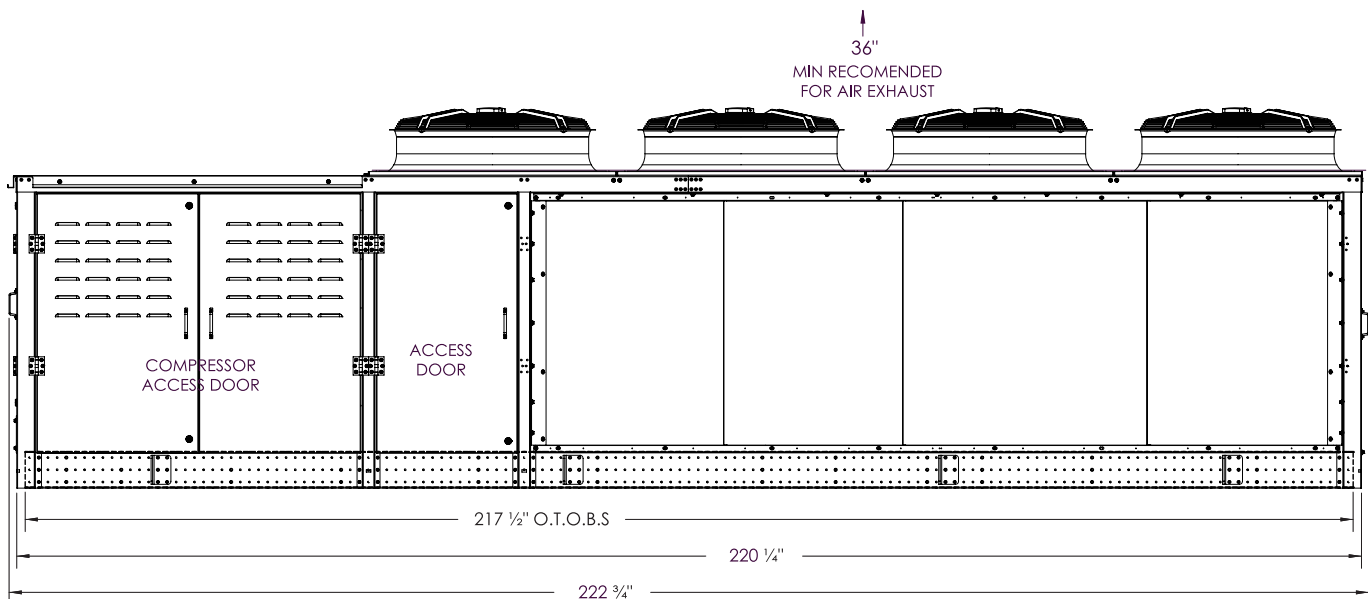
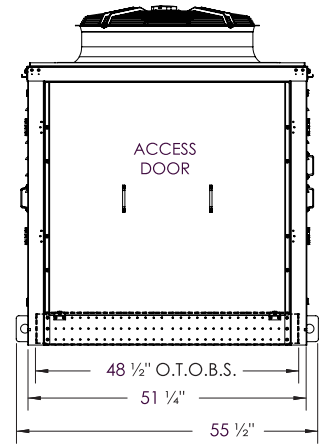
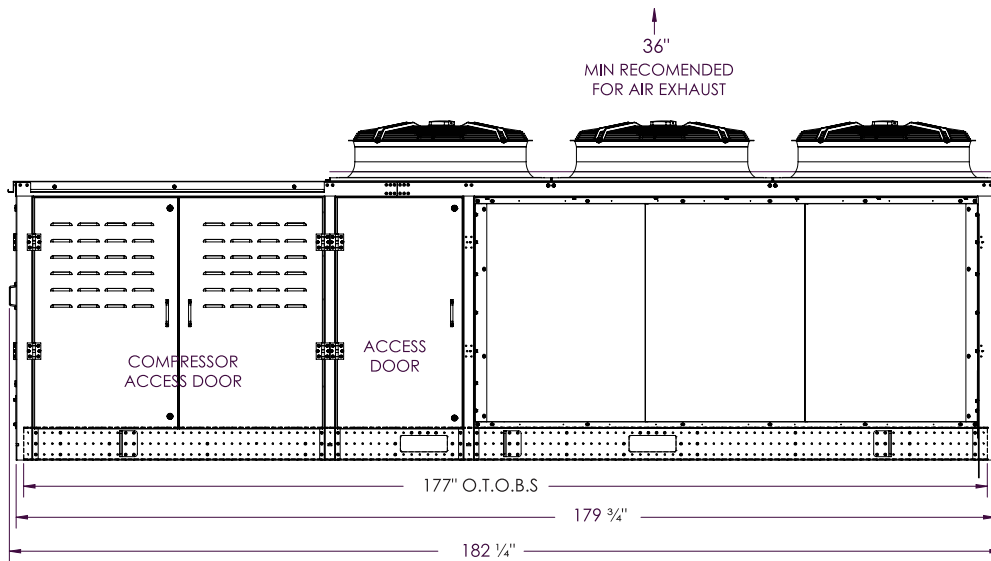
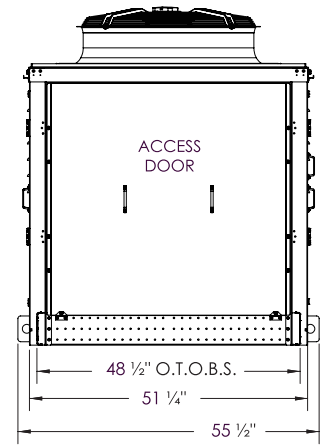
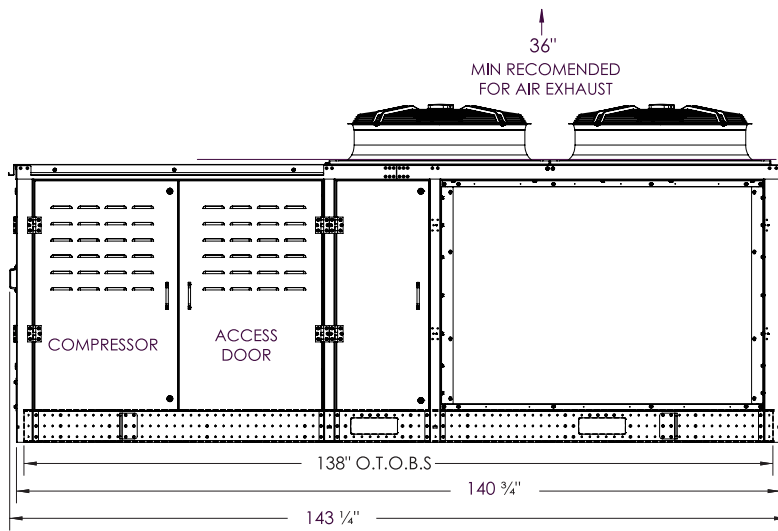
- Corrosion resistant galvanized steel cabinet.
- Fixed speed AC fan motors.
- 208-230V main power.
- Uncoated copper tube/aluminum fin coil.
- Energy-efficient scroll compressors.
- Oversized receiver.
- Single or dual suction group models available.
- Replaceable core filter/drier and sight glass.
- Exterior top mounted fans are easy to access and service.
- Suction filter per suction group.
- Through-the-door disconnect.
- IEC contactors.
- Phase loss monitor with brownout protection.
- One low-pressure control per suction.
- One high-pressure control per compressor.
- Analog liquid level indicator/alarm.
- Discharge oil separator (centrifugal) with integral oil reservoir.
- OMB per compressor.

### Available Options

- Variable speed EC fan motors.
- 460V main power.
- Electrofin coated coil.
- Cold weather package (split condenser/heated and insulated receiver).
- Remote ice machine coil.
- Hail guard.
- Pre-painted galvanized steel cabinet (pueblo tan)
- Heat reclaim valve package (remote only).
- Digital liquid level indicator/alarm.
- Low-pressure control per compressor.

ADAPTA  
**-pak.**<sup>™</sup>





| Fans | Estimated Weight |
|------|------------------|
| 2    | 3,100 lbs        |
| 3    | 3,500 lbs        |
| 4    | 4,000 lbs        |

Please consult Hillphoenix Engineering Reference Manual for dimensions, plan views and technical specifications. Specifications are subject to change without notice. Certified to UL 471 and ANSI/NSF standard 7.

Designed for optimal performance in store environments where temperatures and humidity do not exceed 75°F and 55%R.H.

**Hillphoenix**

Conyers, GA USA

770.285.3057

hillphoenix.com

RS-APAK\_v0322



|                   |                 |                 |       |             |                   | Connections    |                |                 |                 |                               |                                  |              |       |      |
|-------------------|-----------------|-----------------|-------|-------------|-------------------|----------------|----------------|-----------------|-----------------|-------------------------------|----------------------------------|--------------|-------|------|
|                   | Model           | Number of Fans  | Coils | Compressors | Unit Weight (lbs) | MT Liquid Loop | LT Liquid Loop | MT Suction Loop | LT Suction Loop | Heat Reclaim Valve (Optional) | Hot Gas Defrost Valve (Optional) | Power Supply | MCA   | MOPD |
| Low Temp Units    | APK-M0000-L0032 | 2               | 1     | 2           | 2700              | NA             | 7/8            | NA              | 2 1/8           | 7/8                           | 7/8                              | 208V         | 60.5  | 70   |
|                   | APK-M0000-L0052 | 2               | 1     | 2           | 2700              | NA             | 7/8            | NA              | 2 1/8           | 7/8                           | 7/8                              | 208V         | 77.9  | 100  |
|                   | APK-M0000-L0062 | 2               | 1     | 2           | 2700              | NA             | 7/8            | NA              | 2 1/8           | 7/8                           | 7/8                              | 208V         | 87.3  | 100  |
|                   | APK-M0000-L0076 | 2               | 1     | 3           | 2800              | NA             | 7/8            | NA              | 2 1/8           | 7/8                           | 7/8                              | 208V         | 99.7  | 125  |
|                   | APK-M0000-L0095 | 2               | 2     | 3           | 2800              | NA             | 7/8            | NA              | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 117.7 | 125  |
|                   | APK-M0000-L0099 | 2               | 2     | 4           | 2900              | NA             | 7/8            | NA              | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 121.5 | 150  |
|                   | APK-M0000-L0122 | 2               | 2     | 5           | 3000              | NA             | 7/8            | NA              | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 143.3 | 175  |
|                   | APK-M0000-L0145 | 2               | 2     | 6           | 3100              | NA             | 7/8            | NA              | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 165.1 | 200  |
|                   | APK-M0000-L0161 | 2               | 2     | 6           | 3100              | NA             | 7/8            | NA              | 2 5/8           | 1 1/8                         | 7/8                              | 208V         | 184.1 | 200  |
|                   | APK-M0000-L0190 | 3               | 2     | 6           | 3500              | NA             | 7/8            | NA              | 2 5/8           | 1 1/8                         | 7/8                              | 208V         | 212.8 | 250  |
| Medium Temp Units | APK-M0048-L0000 | 2               | 1     | 2           | 2700              | 1 1/8          | NA             | 1 5/8           | NA              | 7/8                           | 7/8                              | 208V         | 50.5  | 60   |
|                   | APK-M0079-L0000 | 2               | 1     | 2           | 2700              | 1 1/8          | NA             | 1 5/8           | NA              | 7/8                           | 7/8                              | 208V         | 65.8  | 80   |
|                   | APK-M0106-L0000 | 2               | 2     | 2           | 2700              | 1 1/8          | NA             | 2 1/8           | NA              | 1 1/8                         | 7/8                              | 208V         | 88.9  | 100  |
|                   | APK-M0131-L0000 | 2               | 2     | 3           | 2800              | 1 1/8          | NA             | 2 1/8           | NA              | 1 1/8                         | 7/8                              | 208V         | 104.6 | 125  |
|                   | APK-M0152-L0000 | 2               | 2     | 3           | 2800              | 1 1/8          | NA             | 2 1/8           | NA              | 1 1/8                         | 7/8                              | 208V         | 111.4 | 125  |
|                   | APK-M0178-L0000 | 2               | 2     | 3           | 2800              | 1 1/8          | NA             | 2 1/8           | NA              | 1 1/8                         | 7/8                              | 208V         | 137.4 | 150  |
|                   | APK-M0198-L0000 | 3               | 2     | 3           | 3200              | 1 1/8          | NA             | 2 5/8           | NA              | 1 1/8                         | 7/8                              | 208V         | 121.7 | 150  |
|                   | APK-M0221-L0000 | 3               | 2     | 3           | 3200              | 1 1/8          | NA             | 2 5/8           | NA              | 1 1/8                         | 7/8                              | 208V         | 124.7 | 150  |
|                   | APK-M0253-L0000 | 3               | 2     | 5           | 3400              | 1 1/8          | NA             | 2 5/8           | NA              | 1 1/8                         | 7/8                              | 208V         | 188.8 | 225  |
|                   | APK-M0299-L0000 | 3               | 2     | 6           | 3500              | 1 1/8          | NA             | 2 5/8           | NA              | 1 1/8                         | 7/8                              | 208V         | 211.3 | 250  |
|                   | APK-M0349-L0000 | 3               | 2     | 6           | 3500              | 1 1/8          | NA             | 3 1/8           | NA              | 1 5/8                         | 7/8                              | 208V         | 180.1 | 200  |
|                   | APK-M0403-L0000 | 3               | 2     | 6           | 3500              | 1 1/8          | NA             | 3 1/8           | NA              | 1 5/8                         | 7/8                              | 208V         | 199.6 | 225  |
|                   | APK-M0442-L0000 | 4               | 2     | 6           | 4000              | 1 1/8          | NA             | 3 1/8           | NA              | 1 5/8                         | 7/8                              | 208V         | 219.8 | 250  |
|                   | Dual Temp Units | APK-M0048-L0012 | 2     | 1           | 4                 | 2900           | 1 1/8          | 1/2             | 1 5/8           | 7/8                           | 7/8                              | 7/8          | 208V  | 69.1 |
| APK-M0048-L0032   |                 | 2               | 1     | 4           | 2900              | 1 1/8          | 7/8            | 1 5/8           | 2 1/8           | 7/8                           | 7/8                              | 208V         | 85.1  | 100  |
| APK-M0048-L0062   |                 | 2               | 2     | 4           | 2900              | 1 1/8          | 7/8            | 1 5/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 111.9 | 125  |
| APK-M0048-L0052   |                 | 2               | 2     | 4           | 2900              | 1 1/8          | 7/8            | 1 5/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 102.5 | 125  |
| APK-M0048-L0076   |                 | 2               | 2     | 5           | 3000              | 1 1/8          | 7/8            | 1 5/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 124.3 | 150  |
| APK-M0048-L0095   |                 | 2               | 2     | 5           | 3000              | 1 1/8          | 7/8            | 1 5/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 142.3 | 175  |
| APK-M0079-L0012   |                 | 2               | 1     | 4           | 2900              | 1 1/8          | 1/2            | 1 5/8           | 7/8             | 7/8                           | 7/8                              | 208V         | 84.4  | 100  |
| APK-M0079-L0032   |                 | 2               | 2     | 4           | 2900              | 1 1/8          | 7/8            | 1 5/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 100.0 | 125  |
| APK-M0079-L0052   |                 | 2               | 2     | 4           | 2900              | 1 1/8          | 7/8            | 1 5/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 116.1 | 150  |
| APK-M0079-L0062   |                 | 2               | 2     | 4           | 2900              | 1 1/8          | 7/8            | 1 5/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 125.5 | 150  |
| APK-M0079-L0076   |                 | 2               | 2     | 5           | 3000              | 1 1/8          | 7/8            | 1 5/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 137.9 | 175  |
| APK-M0079-L0095   |                 | 2               | 2     | 5           | 3000              | 1 1/8          | 7/8            | 1 5/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 155.9 | 175  |
| APK-M0106-L0012   |                 | 2               | 2     | 4           | 2900              | 1 1/8          | 1/2            | 2 1/8           | 7/8             | 1 1/8                         | 7/8                              | 208V         | 107.5 | 125  |
| APK-M0106-L0032   |                 | 2               | 2     | 4           | 2900              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 123.1 | 150  |
| APK-M0106-L0052   |                 | 2               | 2     | 4           | 2900              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 138.0 | 150  |
| APK-M0106-L0062   |                 | 2               | 2     | 4           | 2900              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 146.6 | 175  |
| APK-M0106-L0076   |                 | 2               | 2     | 5           | 3000              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 159.8 | 200  |
| APK-M0131-L0012   |                 | 2               | 2     | 5           | 3000              | 1 1/8          | 1/2            | 2 1/8           | 7/8             | 1 1/8                         | 7/8                              | 208V         | 123.2 | 150  |
| APK-M0131-L0032   |                 | 2               | 2     | 5           | 3000              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 138.8 | 150  |
| APK-M0131-L0052   |                 | 2               | 2     | 5           | 3000              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 153.7 | 175  |
| APK-M0152-L0012   |                 | 2               | 2     | 5           | 3000              | 1 1/8          | 1/2            | 2 1/8           | 7/8             | 1 1/8                         | 7/8                              | 208V         | 130.0 | 150  |
| APK-M0152-L0032   |                 | 2               | 2     | 5           | 3000              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 1/8                         | 7/8                              | 208V         | 145.6 | 175  |
| APK-M0178-L0012   |                 | 2               | 2     | 5           | 3000              | 1 1/8          | 1/2            | 2 1/8           | 7/8             | 1 1/8                         | 7/8                              | 208V         | 156.0 | 200  |
| APK-M0106-L0095   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 184.0 | 225  |
| APK-M0131-L0062   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 169.3 | 200  |
| APK-M0131-L0076   |                 | 3               | 2     | 6           | 3500              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 182.5 | 225  |
| APK-M0131-L0095   |                 | 3               | 2     | 6           | 3500              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 199.7 | 225  |
| APK-M0152-L0052   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 167.5 | 200  |
| APK-M0152-L0062   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 176.1 | 200  |
| APK-M0152-L0076   |                 | 3               | 2     | 6           | 3500              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 189.3 | 225  |
| APK-M0152-L0095   |                 | 3               | 2     | 6           | 3500              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 206.5 | 250  |
| APK-M0178-L0032   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 178.6 | 200  |
| APK-M0178-L0052   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 193.5 | 225  |
| APK-M0178-L0062   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 202.1 | 225  |
| APK-M0178-L0076   |                 | 3               | 2     | 6           | 3500              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 215.3 | 250  |
| APK-M0178-L0095   |                 | 3               | 2     | 6           | 3500              | 1 1/8          | 7/8            | 2 1/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 232.5 | 250  |
| APK-M0198-L0012   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 1/2            | 2 5/8           | 7/8             | 1 3/8                         | 7/8                              | 208V         | 140.3 | 175  |
| APK-M0198-L0032   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 7/8            | 2 5/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 155.9 | 175  |
| APK-M0198-L0052   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 7/8            | 2 5/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 170.8 | 200  |
| APK-M0198-L0062   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 7/8            | 2 5/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 179.4 | 200  |
| APK-M0198-L0076   |                 | 3               | 2     | 6           | 3500              | 1 1/8          | 7/8            | 2 5/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 192.6 | 225  |
| APK-M0198-L0095   |                 | 3               | 2     | 6           | 3500              | 1 1/8          | 7/8            | 2 5/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 209.8 | 250  |
| APK-M0221-L0012   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 1/2            | 2 5/8           | 7/8             | 1 3/8                         | 7/8                              | 208V         | 143.3 | 175  |
| APK-M0221-L0032   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 7/8            | 2 5/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 158.9 | 175  |
| APK-M0221-L0052   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 7/8            | 2 5/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 173.8 | 200  |
| APK-M0221-L0062   |                 | 3               | 2     | 5           | 3400              | 1 1/8          | 7/8            | 2 5/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 182.4 | 200  |
| APK-M0221-L0076   |                 | 3               | 2     | 6           | 3500              | 1 1/8          | 7/8            | 2 5/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 195.6 | 225  |
| APK-M0221-L0095   |                 | 3               | 2     | 6           | 3500              | 1 1/8          | 7/8            | 2 5/8           | 2 1/8           | 1 3/8                         | 7/8                              | 208V         | 212.8 | 250  |

\* Not available with split condenser due to single coil design--available with heated and insulated receiver for low ambient applications.  
^ Uses fixed speed scroll in lieu of digital scroll on low temp due to compressor availability