

# Older Unico Replacement Guide

The purpose of this guide is to assist you in upgrading older Unico System's, or other small duct systems, and provide recommendations for a successful replacement project. This guide is categorized by the specific model # of the Unico System, and then by the serial #. **Simply click the model #'s you have and it will go to the specific page to let you know exactly what to do.**

It's easy to determine the age of the Unico System by the serial #. Simply locate the first 4 digits of the serial #. The first 2 digits are the year and the next two digits are the month. For instance, a serial # 0012A123456 would have been manufactured in December of 2000.

## 1st generation Unico model #'s (1985 – 1992) (one-piece air handlers)

Upgrading 1<sup>st</sup> generation systems from R-22 refrigerant to R410A requires some modifications to the system. These are one-piece fan coil air handlers and our current equipment is modular, so upgrading to R410A requires changing the entire system. Also, with today's larger, higher SEER outdoor units, the indoor equipment needs to move more air than the older generation equipment, so the duct system needs to be sized properly to move the additional air required of today's systems. The Unico System is designed to operate at 250 CFM/ton.

- [HP2436](#)
- [VP2436](#)
- [HP4860](#)
- [VP4860](#)

## 2<sup>nd</sup> generation Unico model #'s (1993 - 2003)

Depending on the tonnage of the outdoor unit, upgrading 2<sup>nd</sup> generation equipment can be easier than upgrading 1<sup>st</sup> generation equipment. They still require more airflow, but a lot of today's parts can be used with these older systems so depending on the size of the outdoor unit, and condition of existing equipment, it may not be necessary to change all modules.

- When the industry changed to 13 SEER equipment, the 2436 became our 2430 and the 4260 became the 3642. This meant that the 2436 (2430) was no longer compatible with modern, 13 SEER or greater 3 ton outdoor units. This is the same for the 4260 (3642) on 5 ton outdoor units.

### Old Blowers

- [MB2436L or MB2436H](#)
  - o [If in Vertical configuration, click here](#)
- [MB4260L or MB4260H](#)
  - o [If in Vertical configuration, click here](#)
- [If you are replacing parts on 2436 and staying with R22, click here.](#)
- [If you are replacing parts on 4260 and staying with R22, click here.](#)

### Coils

- [MC2436C, MC2436C-A or MC2436H](#)
- [MC4260C, MC4260C-A or MC4260H](#)

## 3<sup>rd</sup> generation Unico model #'s (2003 - 2010)

Third generation equipment is much easier to replace than 1<sup>st</sup> or 2<sup>nd</sup> generation equipment. Most of the parts are compatible with today's equipment and the design rules and principles back then were the same as they are now, so when changing this equipment out, you can usually simply swap out with the latest generation nomenclature.

The 3036 was not added until 2010, and has always used the current nomenclature.

### Old Blowers

- [MB2430L or MB2430L+CB](#)
- [MB3642L or MB3642L+CB](#)
- [MB4860L or MB4860L+CB](#)

### Older Coils

- [MC2430C / MC2430H](#)
- [MC3642C / MC3642H](#)
- [MC4860C / MC4860H](#)

## **Spacepak/Hi-V Replacements**

Changing out these types of older systems is easier than you think! All you need is the tonnage of the outdoor condensing unit to determine the Unico equipment to use.

- [Click here to get to the page.](#)

## **What if I can't add outlets or increase the plenum size?**

As you read through the guide, we preach a lot about updating the duct system to accommodate more air. There are times when this simply isn't possible. There are ways around this though.

- [Click here to get to the page](#)

## **1218 Replacement Systems**

The 1218 has had several changes throughout the years, with new nomenclature and also transitioning from a one-piece set up to the modular. They all use the same replacement parts though.

- [Click here to get to the page](#)

## HP2436

The HP units were horizontal position units. The models below will explain how to keep the system horizontally configured.

### If upgrading to 410A, what is the tonnage of the outdoor unit?

**If the outdoor is 2 or 2.5 ton, below are the model #'s to upgrade to:**

Blower – M2430BL1-EC2

Coil – M2430CL1-B or E - (which coil to use depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Hot Water Coil – M2430CL1-H (optional - only needed if existing system has hot water coil)

**System size** – These units will be larger than the older system so here are the dimensions of the new system once assembled for the 2430.

Without hot water module – 28" (supply to return) x 17.5" H x 25" W

With hot water module - 40" (supply to return) x 17.5" H x 25" (wide)

**If the outdoor is a 3 ton, below are the model #'s to upgrade to:**

Blower – M3036BL1-EC2

Coil – M3036CL1-B or E - (which coil to use depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Hot Water Coil – M3036CL1-H (optional - only needed if existing system has hot water coil)

**System size** – These units will be larger than the older system so here are the dimensions of the new system once assembled with the 3036.

Without hot water module – 28" (supply to return) x 17.5" H x 30" W

With hot water module - 40" (supply to return) x 17.5" H x 30" (wide)

**Below are the minimum requirements for the duct system to ensure proper capacity and performance.**

#### Minimum duct requirements for upgrading to R410A

HP2436			
Tonnage of outdoor	Required Duct size	Required return size	<i>Minimum # of outlets</i>
2 ton	7" round or 6.5"x6.5" square	14" or equivalent	12
2.5 ton	7" round or 6.5"x6.5" square	14" or equivalent	15
3 ton	9" round or 8.5"x8.5"	16" or equivalent	18

#### **Replacement Parts for HP2436**

**Motor** – A00054-001 (8WV20)

**Wheel** – A00082-002

**Relay** – A00056-G02

**Valve (R22 only)** – A00031-003

**Transformer** – A02701-K01

**Frost Switch** – A00060-K03

## VP2436

The VP units were vertical position units. The models below will explain how to keep the system vertically configured.

### If upgrading to 410A, what is the tonnage of the outdoor unit?

**If the outdoor is 2 or 2.5 ton, below are the model #'s to upgrade to:**

Blower – M2430BL1-EC2

Coil – M2430CL1-B or E - (which coil to use depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Vertical Plenum Module – M2430V2 (Make sure that you also install the spacer that comes with this module.)

Hot Water Coil – HW-2430 (optional - only needed if existing system has hot water coil – Will slide into M2430V2)

**System size** – These units will be larger than the older system so here are the dimensions of the new system once assembled for the 2430.

56" H x 17.5" D x 25" W

**If the outdoor is a 3 ton, below are the model #'s to upgrade to:**

Blower – M3036BL1-EC2

Coil – M3036CL1-B or E - (which coil to use depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Vertical Plenum Module – M3036V2 (Make sure that you install the spacer that comes with this.)

Hot Water Coil – HW-3036 (optional - only needed if existing system has hot water coil – Will slide into M3036V2)

**System size** – These units will be larger than the older system so here are the dimensions of the new system once assembled with the 3036.

56" H x 17.5" D x 30" W

We also offer Vertical one piece units which are designed specifically for Vertical installations. These are available in three different sizes – 2430, 3036 and 3642. [Click here for more information.](#)

Below are the minimum requirements for the duct system to ensure proper capacity and performance.

### Minimum duct requirements for upgrading to R410A

HP2436			
Tonnage of outdoor	Required Duct size	Required return size	Minimum # of outlets
2 ton	7" round or 6.5"x6.5" square	14" or equivalent	12
2.5 ton	7" round or 6.5"x6.5" square	14" or equivalent	15
3 ton	9" round or 8.5"x8.5"	16" or equivalent	18

### **Replacement Parts for HP2436**

**Motor** – A00054-001 (8WV20)

**Wheel** – A00082-002

**Relay** – A00056-G02

**Valve (R22 only)** – A00031-003

**Transformer** – A02701-K01

**Frost Switch** – A00060-K03

## HP4860

The HP units were horizontal position units. The models below will explain how to keep the system horizontally configured.

### If upgrading to 410A, what is the tonnage of the outdoor unit?

If the outdoor is 4 or 5 tons, below are the model #'s to upgrade to:

Blower – M4860BL1-EC2

Coil – M4860CL1-B or E (Always install the spacer when using the 4860) (Also, which coil depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Hot Water Coil – M4860CL1-H (optional - only needed if existing system has hot water coil)

**System size** – These units will be larger than the older system so here are the dimensions of the new system once assembled for the 4860.

Without hot water module – 38" (supply to return) x 17.5" H x 38" W

With hot water module - 50" (supply to return) x 17.5" H x 38" (wide)

Below are the minimum requirements for the duct system to ensure proper capacity and performance.

### Minimum duct requirements for upgrading to R410A

HP4860			
Tonnage of outdoor	Required Duct size	Required return size	Minimum # of outlets
4 ton	9" round or 8.5"x8.5" square	18" or equivalent	24
5 ton	10" round or 9.5"x9.5" square	20" or equivalent	30

### **Replacement Parts for HP4860**

**Motor** – A00141-001 (8WV21)

**Wheel** – A00036-002

**Relay** – A00056-G02

**Valve (R22 only)** – A00031-004

**Transformer** – A02701-K01

**Frost Switch** – A00060-K03

## VP4860

The VP units were vertical position units. The models below will explain how to keep the system vertically configured.

### If upgrading to 410A, what is the tonnage of the outdoor unit?

If the outdoor is 4 or 5 tons, below are the model #'s to upgrade to:

Blower – M4860BL1-EC2

Coil – M4860CL1-B or E (Always install the spacer when using the 4860) (Also, which coil depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Vertical Plenum Module – M4860V2

Hot Water Coil – HW-4860 (optional - only needed if existing system has hot water coil – Will slide into M4860V2)

**System size** – These units will be larger than the older system so here are the dimensions of the new system once assembled for the 4860.

56" H x 24" D x 38" W

Below are the minimum requirements for the duct system to ensure proper capacity and performance.

### Minimum duct requirements for upgrading to R410A

HP4860			
Tonnage of outdoor	Required Duct size	Required return size	Minimum # of outlets
4 ton	9" round or 8.5"x8.5" square	18" or equivalent	24
5 ton	10" round or 9.5"x9.5" square	20" or equivalent	30

### **Replacement Parts for VP4860**

**Motor** – A00141-001 (8WV21)

**Wheel** – A00036-002

**Relay** – A00056-G02

**Valve (R22 only)** – A00031-004

**Transformer** – A02701-K01

**Frost Switch** – A00060-K03

## MB/MC2436 – Horizontally Configured

### If upgrading to 410A, what is the tonnage of the outdoor unit?

**If the outdoor is 2 or 2.5 ton, below are the model #'s to upgrade to:**

Blower – M2430BL1-EC2

Coil – M2430CL1-B or E - (which coil to use depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Hot Water Coil – M2430CL1-H (optional - only needed if existing system has hot water coil)

**System size** – In this case, the replacement system will be the same physical dimension as the original equipment.

Without hot water module – 28" (supply to return) x 17.5" H x 25" W

With hot water module - 40" (supply to return) x 17.5" H x 25" (wide)

**If the outdoor is a 3 ton, below are the model #'s to upgrade to:**

Blower – M3036BL1-EC2

Coil – M3036CL1-B or E - (which coil to use depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Hot Water Coil – M3036CL1-H (optional - only needed if existing system has hot water coil)

**System size** – For the 3 ton, these units will be larger than the older system so here are the dimensions of the new system once assembled with the 3036.

Without hot water module – 28" (supply to return) x 17.5" H x 30" W

With hot water module - 40" (supply to return) x 17.5" H x 30" (wide)

**Below are the minimum requirements for the duct system to ensure proper capacity and performance.**

### Minimum duct requirements for upgrading to R410A

MB/MC2436			
Tonnage of outdoor	Required Duct size	Required return size	<i>Minimum # of outlets</i>
2 ton	7" round or 6.5"x6.5" square	14" or equivalent	12
2.5 ton	7" round or 6.5"x6.5" square	14" or equivalent	15
3 ton	9" round or 8.5"x8.5"	16" or equivalent	18

### **Replacement Parts for MB/MC2436**

Unit	Motor	Wheel	Relay	TX Valve (R22 sweat only)	Frost Switch	Transformer
<b>MB2436L</b>	A00138-001 (8WV09)	A00137-001	A00056-G02	A00031-003	A00060-K03	A02701-K01
<b>MB2436H</b>	A00054-001 (8WV20)	A00082-002	A00056-G02	A00031-003	A00060-K03	A02701-K01

## MB/MC2436 – Vertically Configured

### If upgrading to 410A, what is the tonnage of the outdoor unit?

**If the outdoor is 2 or 2.5 ton, below are the model #'s to upgrade to:**

Blower – M2430BL1-EC2

Coil – M2430CL1-B or E - (which coil to use depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Vertical Plenum Module – M2430V2 (Only needed if existing return box requires replacement, or, if adding a hot water coil to system) (Make sure that you also install the spacer that comes with this module.)

Hot Water Coil – HW-2430 (optional - only needed if existing system has hot water coil – Will slide into M2430V2 or old vertical plenum module)

**System size** – In this case, the replacement system will be the same physical dimension as the original equipment.

56" H x 17.5" D x 25" W

**If the outdoor is a 3 ton, below are the model #'s to upgrade to:**

Blower – M3036BL1-EC2

Coil – M3036CL1-B or E - (which coil to use depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Vertical Plenum Module – M3036V2

Hot Water Coil – HW-3036 (optional - only needed if existing system has hot water coil – Will slide into M3036V2 or old vertical plenum module)

**System size** – For the 3 ton, these units will be larger than the older system so here are the dimensions of the new system once assembled with the 3036. 56" H x 17.5" D x 30" W

We also offer Vertical one piece units which are designed specifically for Vertical installations. These are available in three different sizes – 2430, 3036 and 3642. [Click here for more information.](#)

Below are the minimum requirements for the duct system to ensure proper capacity and performance.

### Minimum duct requirements for upgrading to R410A

MB/MC2436			
Tonnage of outdoor	Required Duct size	Required return size	Minimum # of outlets
2 ton	7" round or 6.5"x6.5" square	14" or equivalent	12
2.5 ton	7" round or 6.5"x6.5" square	14" or equivalent	15
3 ton	9" round or 8.5"x8.5"	16" or equivalent	18

### **Replacement Parts for MB/MC2436**

Unit	Motor	Wheel	Relay	TX Valve (R22 sweat only)	Frost Switch	Transformer
<b>MB2436L</b>	A00138-001 (8WV09)	A00137-001	A00056-G02	A00031-003	A00060-K03	A02701-K01
<b>MB2436H</b>	A00054-001 (8WV20)	A00082-002	A00056-G02	A00031-003	A00060-K03	A02701-K01



## MB/MC2436 – Keeping R22

If the system is going to stay R22, individual modules can be replaced with current nomenclature. The charts below explain what the older nomenclature can get upgraded to.

### Blower

Old Blower	New Blower
MB2436L or MB2436H	M2430BL1-EC2

### Coil – If wanting to upgrade full coil module

Old Coil	New Coil
MC2436C or MC2436C-A	M2430CL1-B
MC2436H	M2430CL1-E

### Coil – If wanting to change just the coil (No cabinet)

Old Coil	New Coil
MC2436C or MC2436C-A	A00791-K01
MC2436H	A00793-K01

### Hot Water coil

Old Coil	New Coil
MH2436 – Full hot water module	M2430CL1-H
HW-2436 – Hot water coil only	HW-2430

Valve – If changing the coil (either a full module OR just the coil, use the valves below). Again, the right valve depends on the outdoor unit.

2 ton R-22 valve – A00808-002

3 ton R-22 valve – A00808-004

## MB/MC4260 – Horizontally Configured

### If upgrading to 410A, what is the tonnage of the outdoor unit?

If the outdoor is 3.5 tons, below are the model #'s to upgrade to:

Blower – M3642BL1-EC2

Coil – M3642CL1-B or E - (which coil to use depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Hot Water Coil – M3642CL1-H (optional - only needed if existing system has hot water coil)

**System size** – In this case, the replacement system will be the same physical dimension as the original equipment.

Without hot water module – 28" (supply to return) x 17.5" H x 38" W

With hot water module - 40" (supply to return) x 17.5" H x 38" (wide)

If the outdoor is 4 or 5 tons, below are the model #'s to upgrade to:

Blower – M4860BL1-EC2

Coil – M4860CL1-B or E - (which coil to use depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Hot Water Coil – M4860CL1-H (optional - only needed if existing system has hot water coil)

**System size** – For the 4 and 5 ton systems, these units will be larger than the older system so here are the dimensions of the new system once assembled with the 4860.

Without hot water module – 38" (supply to return) x 17.5" H x 38" W

With hot water module - 50" (supply to return) x 17.5" H x 38" (wide)

Below are the minimum requirements for the duct system to ensure proper capacity and performance.

### Minimum duct requirements for upgrading to R410A

MB/MC4260			
Tonnage of outdoor	Required Duct size	Required return size	<i>Minimum # of outlets</i>
3.5 ton	9" round or 8.5"x8.5" square	18" or equivalent	21
4 ton	9" round or 8.5"x8.5" square	18" or equivalent	24
5 ton	10" round or 9.5"x9.5" square	20" or equivalent	30

### Replacement Parts for MB/MC4260

Unit	Motor	Wheel	Relay	TX Valve (R22 sweat only)	Frost Switch	Transformer
<b>MB4260L</b>	A00139-001 (9AKR6)	A00137-002	A00056-G02	A00031-004	A00060-K03	A02701-K01
<b>MB4260H</b>	A00141-001 (8WV21)	A00082-004	A00056-G02	A00031-004	A00060-K03	A02701-K01

## MB/MC4260 – Vertically Configured

**If the outdoor is 3.5 tons, below are the model #'s to upgrade to:**

Blower – M3642BL1-EC2

Coil – M3642CL1-B or E - (which coil to use depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Vertical Plenum Module – M3642V2 (Only needed if existing return box requires replacement, or, if adding a hot water coil to system) (Make sure that you also install the spacer that comes with this module.)

Hot Water Coil – HW-3642 (only needed if existing system has hot water coil – Will slide into M3642V2 or old vertical plenum module)

**System size** – In this case, the replacement system will be the same physical dimension as the original equipment.

56" H x 17.5" D x 38" W

**If the outdoor is 4 or 5 tons, below are the model #'s to upgrade to:**

Blower – M4860BL1-EC2

Coil – M4860CL1-B or E - (which coil to use depends on the specific outdoor model. Call Unico Customer Support for further assistance)

Vertical Plenum Module – M4860V2

Hot Water Coil – HW-4860 (optional - only needed if existing system has hot water coil – Will slide right into M4860V2)

**System size** – These units will be larger than the older system so here are the dimensions of the new system once assembled with the 4860.

56" H x 24" D x 38" W

**Below are the minimum requirements for the duct system to ensure proper capacity and performance.**

### Minimum duct requirements for upgrading to R410A

MB/MC4260			
Tonnage of outdoor	Required Duct size	Required return size	Minimum # of outlets
3.5 ton	9" round or 8.5"x8.5" square	18" or equivalent	21
4 ton	9" round or 8.5"x8.5" square	18" or equivalent	24
5 ton	10" round or 9.5"x9.5" square	20" or equivalent	30

### Replacement Parts for MB/MC2436

Unit	Motor	Wheel	Relay	TX Valve (R22 sweat only)	Frost Switch	Transformer
<b>MB4260L</b>	A00139-001 (9AKR6)	A00137-002	A00056-G02	A00031-004	A00060-K03	A02701-K01
<b>MB4260H</b>	A00141-001 (8WV21)	A00082-004	A00056-G02	A00031-004	A00060-K03	A02701-K01

## MB/MC4260 – Keeping R22

If the system is going to stay R22, individual modules can be replaced with current nomenclature. The charts below explain what the older nomenclature can get upgraded to.

### Blower

Old Blower	New Blower
MB4260L or MB4260H	M3642BL1-EC2

### Coil – If wanting to upgrade full coil module

Old Coil	New Coil
MC4260C or MC4260C-A	M3642CL1-B
MC4260H	M3642CL1-E

### Coil – If wanting to change just the coil (No cabinet)

Old Coil	New Coil
MC4260C or MC4260C-A	A00790-K01
MC4260H	A00792-K01

### Hot Water coil

Old Coil	New Coil
MH4260 – Full hot water module	M3642CL1-H
HW-4260 – Hot water coil only	HW-3642

Valve – If changing the coil (either a full module OR just the coil, use the valves below). Again, the right valve depends on the outdoor unit.

3.5 ton R-22 valve – A00808-004

4-5 ton R-22 valve – A00808-005

## MB/MC2430 – 3<sup>rd</sup> Generation Nomenclature

**Because the 3<sup>rd</sup> generation basically uses the same equipment as the current nomenclature, replacing these modules is very easy. The design rules are the same on this older equipment as the current equipment, so changing the equipment is normally all that is required.**

### Blower

Old Blower	New Blower
MB2430L or MB2430L+CB	M2430BL1-EC2

### Coil – If wanting to upgrade full coil module

Old Coil	New Coil
MC2430C or MC2430CX	M2430CL1-B
MC2430H or MC2430HX	M2430CL1-E

### Coil – If wanting to change just the coil (No cabinet)

Old Coil	New Coil
MC2430C or MC2430CX	A00791-K01
MC2430H or MC2430HX	A00793-K01

### Hot Water coil

Old Coil	New Coil
MH2430 – Full hot water module	M2430CL1-H
HW-2430 – Hot water coil only	HW-2430

Valve – If changing the coil (either a full module OR just the coil, use the valves below). Again, the right valve depends on the outdoor unit.

2 – 2.5 ton R-22 valve – A00808-002

2 -2.5 ton R-410 valve – A00808-K13 – Included in the coil module

### Replacement Parts for MB/MC2430

Unit	Motor	Wheel	Relay	TX Valve (R22)	TX Valve (R410)	Control Board	Frost Switch	Transformer
MB2430L	A01018-G05	A00584-K01	A00802-001	A00808-002	A00808-K13		A00060-G04	A02701-K01
MB2430L+CB	A01018-G07	A00584-K01		A00808-002	A00808-K13	A01802-K01	A00060-G04	A02701-K01
M2430BL1-ST2	A01018-G05	A00584-K01	A00802-001	A00808-002	A00808-K13		A00060-G04	A02701-K01
M2430BL2-ST2	A01018-G05	A00584-K01	A00056-G02	A00808-002	A00808-K13		A00060-G04	A02701-K01
M2430BL1-EC1 / EC2	A01018-G20	A00584-K03		A00808-002	A00808-K13	A01469-K03	A00060-G04	A02701-K01

## MB/MC3642 – 3<sup>rd</sup> Generation Nomenclature

**Because the 3<sup>rd</sup> generation basically uses the same equipment as the current nomenclature, replacing these modules is very easy. The design rules are the same on this older equipment as the current equipment, so changing the equipment is normally all that is required.**

### Blower

Old Blower	New Blower
MB3642L or MB3642L+CB	M3642BL1-EC2

### Coil – If wanting to upgrade full coil module

Old Coil	New Coil
MC3642C or M3642CX	M3642CL1-B
MC3642H or MC3642HX	M3642CL1-E

### Coil – If wanting to change just the coil (No cabinet)

Old Coil	New Coil
MC3642C or MC3642CX	A00790-K01
MC3642H or MC3642HX	A00792-K01

### Hot Water coil

Old Coil	New Coil
MH3660 – Full hot water module	M3642CL1-H
HW-3660 – Hot water coil only	HW-3642

Valve – If changing the coil (either a full module OR just the coil, use the valves below). Again, the right valve depends on the outdoor unit.

3 – 3.5 ton R-22 valve – A00808-004

3 – 3.5 ton R-410 valve – A00808-K14 – Included in the coil module

### Replacement Parts for MB/MC3642

Unit	Motor	Wheel	Relay	TX Valve (R22)	TX Valve (R410)	Control Board	Frost Switch	Transformer
MB3642L	A01018-G09	A00582-K01	A00802-001	A00808-004	A00808-K14		A00060-G04	A02701-K01
MB3642L+CB	A01018-G14	A00582-K01		A00808-004	A00808-K14	A01802-K01	A00060-G04	A02701-K01
M3642BL1-ST2	A01018-G09	A00582-K01	A00802-001	A00808-004	A00808-K14		A00060-G04	A02701-K01
M3642BL2-ST2	A01018-G09	A00582-K01	A00056-G02	A00808-004	A00808-K14		A00060-G04	A02701-K01
M3642BL1-EC1 / EC2	A01018-G21	A00582-K03		A00808-004	A00808-K14	A01469-K03	A00060-G04	A02701-K01

## MB/MC4860 – 3<sup>rd</sup> Generation Nomenclature

**Because the 3<sup>rd</sup> generation basically uses the same equipment as the current nomenclature, replacing these modules is very easy. The design rules are the same on this older equipment as the current equipment, so changing the equipment is normally all that is required.**

### Blower

Old Blower	New Blower
MB4860L or MB4860L+CB	M4860BL1-EC2

### Coil – If wanting to upgrade full coil module

Old Coil	New Coil
MC4860C or MC4860CX	M4860CL1-B
MC4860H or MC4860HX	M4860CL1-E

### Coil – If wanting to change just the coil (No cabinet)

Old Coil	New Coil
MC4860C or MC4860CX	A00811-K01
MC4860H or MC4860HX	A00811-K02

### Hot Water coil

Old Coil	New Coil
MH3660 – Full hot water module	M4860CL1-H
HW-4860 – Hot water coil only	HW-4860

Valve – If changing the coil (either a full module OR just the coil, use the valves below). Again, the right valve depends on the outdoor unit.

4-5 ton R-22 valve – A00808-005

4-5 ton R-410 valve – A00808-K15 – included with the coil module

### Replacement Parts for MB/MC4860

Unit	Motor	Wheel	Relay	TX Valve (R22)	TX Valve (R410)	Control Board	Frost Switch	Transformer
MB4860L	A01018-G09	A00580-K01	A00802-001	A00808-005	A00808-K15		A00060-G04	A02701-K01
MB4860L+CB	A01018-G14	A00580-K01		A00808-005	A00808-K15	A01802-K01	A00060-G04	A02701-K01
M4860BL1-ST2	A01018-G09	A00580-K01	A00802-001	A00808-005	A00808-K15		A00060-G04	A02701-K01
M4860BL2-ST2	A01018-G09	A00580-K01	A00056-G02	A00808-005	A00808-K15		A00060-G04	A02701-K01
M4860BL1-EC1 / EC2	A01018-G21	A00580-K03		A00808-005	A00808-K15	A01469-K03	A00060-G04	A02701-K01

## Spacepak / Hi-V replacements

To change older Spacepak, Hi-V, or other small duct systems, the size of the outdoor condensing unit is the most important factor. Below is a chart that details the Unico equipment to be used to change out those other systems based on the condensing unit and also the duct requirements for upgrading.

<b>Other SDHV manufacturers</b>				
<b>Tonnage outdoor</b>	<b>Recommended blower</b>	<b>Recommended coil</b>	<b>Vertical configuration?</b>	<b>Hot Water?</b>
2 - 2.5 ton	M2430BL1-EC2	M2430CL1-B	If yes, order M2430V2	HW-2430 for use with M2430V2 M2430CL1-H if horizontal
3	M3036BL1-EC2	M3036CL1-B	If yes, order M3036V2	HW-3036 for use with M3036V2 M3036CL1-H if horizontal
3.5	M3642BL1-EC2	M3642CL1-B	If yes, order M3642V2	HW-3642 for use with M3642V2 M3642CL1-H if horizontal
4 - 5	M4860BL1-EC2	MC4860L1-B	If yes, order M4860V2	HW-4860 for use with M4860V2 M4860CL1-H if horizontal

### Minimum duct requirements for upgrading

<b>Tonnage of outdoor</b>	<b>Required Duct size</b>	<b>Required return size</b>	<b>Minimum # of outlets</b>
2 ton	7" round or 6.5"x6.5" square	14" or equivalent	12
2.5 ton	9" round or 6.5"x6.5" square	14" or equivalent	15
3 ton	9" round or 8.5"x8.5" square	16" or equivalent	18
3.5 ton	9" round or 8.5"x8.5" square	18" or equivalent	21
4 ton	9" round or 8.5"x8.5" square	18" or equivalent	24
5 ton	10" round or 9.5"x9.5" square	20" or equivalent	30



## What if I can't add outlets or increase the plenum size?

There are times when inaccessibility of the plenum, or general cost of changing the duct system means you simply can't increase the size of the old plenum, or add additional outlets. This is a problem because with newer systems we need to move more air across the coil, or risk short cycling, under-performing systems, or both. There are some ways around this, though.

- If the duct system comes off the unit and hits a tee, it's acceptable to increase the size of the main trunk to the tee, and then reduce back down to the current duct size on either side of the tee.
- If the plenum is a shotgun style, increase the size of the trunkline through the first 40% of the outlets, then you can reduce back down.
- If you can't add outlets to the system, or increase the size of the plenum, creating a dump zone is a last resort to move the amount of air needed across the coil, even if you can't deliver it to the conditioned space.
  - o The plenum will need to be increased coming off the unit, at least several feet with the dump zone coming off the larger piece, then the plenum can be reduced.
  - o Generally, a 4" (or 5" for 4 or 5 tons) hole in the duct (try to stay 2' away from a tee, elbow, etc.) will work. It's helpful to install it with some type of volume damper to further regulate the air.
  - o Try to pipe the dump zone to an inconspicuous area, such as a closet, basement or other area that could use additional cooling.
  - o **DO NOT** run it back to the return on the system.
  - o Upgrading to the EC blower will also help in this scenario as the blower will maintain the highest air flow possible, despite high RPM's of the restrictive duct system. However, once the blower hits the RPM limit (1800 RPM), it can't move more air.

## 1218 Replacement Systems

The 1218 systems were originally one piece units, but are now modular. The chart below shows the replacements for those older systems.

<u>Item Code</u>	Description	Blower	Coil	Hot Water
M1218	FCU, 1-1.5T, Blower only	M1218BL1-EC2		
M1218+AC	FCU, 1-1.5T, AC, R22	M1218BL1-EC2	M1218CL1-E	
M1218+AC+HW+CB	FCU, 1-1.5T, AC, HWC, ACB	M1218BL1-EC2	M1218CL1-E	M1218CL1-H
M1218+AC,CB	FCU, 1-1.5T, AC, R22, ACB	M1218BL1-EC2	M1218CL1-E	
M1218+AC,HW	FCU, 1-1.5T, AC, R22, HWC	M1218BL1-EC2	M1218CL1-E	M1218CL1-H
M1218+AC,HW,CB	FCU, 1-1.5T, AC, R22, HWC, ACB	M1218BL1-EC2	M1218CL1-E	M1218CL1-H
M1218+ACX	FCU, 1-1.5T, AC, R410A (rename	M1218BL1-EC2	M1218CL1-E	
M1218+ACX,CB	FCU, 1-1.5T, AC, R410A, ACB	M1218BL1-EC2	M1218CL1-E	
M1218+ACX,HW	FCU, 1-1.5T, AC, R410A, HWC	M1218BL1-EC2	M1218CL1-E	M1218CL1-H
M1218+ACX,HW,CB	FCU, 1-1.5T, AC, R410A, HWC, A	M1218BL1-EC2	M1218CL1-E	M1218CL1-H
M1218+CB	FCU, 1-1.5T, Blower only, ACB	M1218BL1-EC2		
M1218+CW	FCU, 1-1.5T, CWC	M1218BL1-EC2	M1218CL1-C	
M1218+CW,CB	FCU, 1-1.5T, CWC,ACB	M1218BL1-EC2	M1218CL1-C	
M1218+CW,HW	FCU, 1-1.5T, CWC, HWC	M1218BL1-EC2	M1218CL1-C	M1218CL1-H
M1218+CW,HW,CB	FCU, 1-1.5T, CWC, HWC, ACB	M1218BL1-EC2	M1218CL1-C	M1218CL1-H
M1218+HP	FCU, 1-1.5T, HP	M1218BL1-EC2	M1218CL1-E	
M1218+HP,CB	FCU, 1-1.5T, HP, ACB	M1218BL1-EC2	M1218CL1-E	
M1218+HP,HW	FCU, 1-1.5T, HP, HWC	M1218BL1-EC2	M1218CL1-E	M1218CL1-H
M1218+HP,HW,CB	FCU, 1-1.5T, HP, R22, HWC, ACB	M1218BL1-EC2	M1218CL1-E	M1218CL1-H
M1218+HPX	FCU, 1-1.5T, HP , R410A	M1218BL1-EC2	M1218CL1-E	M1218CL1-H
M1218+HPX,CB	FCU, 1-1.5T, HP , R410A, ACB	M1218BL1-EC2	M1218CL1-E	
M1218+HPX,HW	FCU, 1-1.5T, HP , R410A, HWC	M1218BL1-EC2	M1218CL1-E	M1218CL1-H
M1218+HPX,HW,CB	FCU, 1-1.5T, HP , R410A, HWC,	M1218BL1-EC2	M1218CL1-E	M1218CL1-H
M1218+HW	FCU, 1-1.5T, HWC	M1218BL1-EC2		M1218CL1-H
M1218+HW,CB	FCU, 1-1.5T, HWC, ACB	M1218BL1-EC2		M1218CL1-H

### Replacement Parts for 1218

Unit	Motor	Wheel	Relay	TX Valve (410)	Coil - Refrigeration	Control Board	Frost Switch	Transformer
Standard 1218	A01018-G01	A00757-001	A00056-G02	A00366-K02	A00326-K01	N/A	A00060-G04	A02701-K01
1218+CB	A01018-G03	A00757-001	N/A	A00366-K02	A00326-K01	A01802-K01	A00060-G04	A02701-K01
1218-EC1 or EC2	A01018-G20	A00757-001	N/A	A00366-K02	A00326-K01	A01469-K03	A00060-G04	A02701-K01

## 1218 Replacement Systems - continued

The 1218 systems were originally one piece units, but are now modular. The chart below shows the replacements for those older systems.

Item Code	Description	Blower	Coil	Hot Water
U1218L-1EC1EH	U1218 FCU, 110V, EC, w/Heat Pump Coil, R-410A + Hot Water Coil	M1218BL1-EC2	M1218CL1-E	M1218CL1-H
U1218L-1EC1EX	U1218 FCU, 110V, EC, w/Heat Pump Coil, R-410A	M1218BL1-EC2	M1218CL1-E	
U1218L-1EC1XX	U1218 FCU, 110V, EC, Blower Only	M1218BL1-EC2		
U1218L-1EC1CH	U1218 FCU, 110V, EC, w/ Chilled Water Coil + Hot Water Coil	M1218BL1-EC2	M1218CL1-C	M1218CL1-H
U1218L-1EC1CX	U1218 FCU, 110V, EC, w/Chilled Water Coil	M1218BL1-EC2	M1218CL1-C	
U1218L-1EC2EH	U1218 FCU, 220V EC with Heat Pump Coil, R-410A + Hot Water Coil	M1218BL1-EC2	M1218CL1-E	M1218CL1-H
U1218L-1EC2EX	U1218 FCU, 220V EC, with Heat Pump Coil, R-410A	M1218BL1-EC2	M1218CL1-E	
U1218L-1EC2XH	U1218 FCU, 220V EC with Hot Water Coil Only	M1218BL1-EC2		M1218CL1-H
U1218L-1EC2XX	U1218 FCU, 220V EC, no cooling coil or drain pan, no heating coil	M1218BL1-EC2		
U1218L-1EC2CH	U1218 FCU, 220V EC with Chilled Water + Hot Water Coil	M1218BL1-EC2	M1218CL1-C	M1218CL1-H
U1218L-1EC2CX	U1218 FCU, 220V EC, with Chilled Water Coil	M1218BL1-EC2	M1218CL1-C	
U1218L-1ST2CH	U1218 FCU, 1-1.5T, CWC & HWC	M1218BL2-ST2	M1218CL1-C	M1218CL1-H
U1218L-1ST2CX	U1218 FCU, 1-1.5T, Chilled Water Coil	M1218BL2-ST2	M1218CL1-C	
U1218L-1ST2EH	U1218 FCU + H Coil, R-410A TXV, Hot Water Coil	M1218BL2-ST2	M1218CL1-E	M1218CL1-H
U1218L-1ST2EX	U1218 FCU + Heat Coil, R-410A TXV	M1218BL2-ST2	M1218CL1-E	
U1218L-1ST2XH	U1218 FCU, 1-1.5T, HWC ONLY	M1218BL2-ST2		M1218CL1-H
U1218L-1ST2XX	U1218 FCU, Blower Only	M1218BL2-ST2		

### Replacement Parts for 1218

Unit	Motor	Wheel	Relay	TX Valve (410)	Coil - Refrigeration	Control Board	Frost Switch	Transformer
Standard 1218	A01018-G01	A00757-001	A00056-G02	A00366-K02	A00326-K01	N/A	A00060-G04	A02701-K01
1218+CB	A01018-G03	A00757-001	N/A	A00366-K02	A00326-K01	A01802-K01	A00060-G04	A02701-K01
1218-EC1 or EC2	A01018-G20	A00757-001	N/A	A00366-K02	A00326-K01	A01469-K03	A00060-G04	A02701-K01