

### 3.1 Model Numbering Systems

#### Introduction

All Lennox product is set up with a systematic coding system for both model numbers and serial numbers. Unit model number (including any dash numbers) and serial number must always be used when referring a problem to Lennox in regard to repair parts, literature, wiring diagrams, etc. Use of proper unit identification numbers and serial numbers will greatly help in expediting any material required for these products.

#### Model Numbers

Each unit manufactured is a duplication of a particular model. The model is identified by a "model number" which is stamped on the unit nameplate or rating plate. On residential gas and oil furnaces this identification plate is located on the inside of cabinet near the vestibule panel. On other Lennox products the plate is mounted on the outside of unit.

The sequence of letters and digits in the Lennox model number reflects specific information about the unit. The figures below analyze two typical model numbers.

#### **HS26-060-1P**

HS26 is the Series, 060 is the Capacity, 1P (1) is the Dash Number and (P) is the Power Characteristics.

#### **GCS16-090-350-2Y**

GCS16 is the Series, 090 is the Cooling Capacity, 350 is the Heating Capacity, 2Y (2) is the Dash Number and (Y) is the Power Characteristics.

#### Numeral Code

Numerals denote the following information:

1. The first one or two numerals indicate the series.

**G14** - Series 14 gas heating unit

2. A numeral following the letter "D" or "Q" and preceding the dash indicates air movement capabilities in tons.

**G14Q3** - Gas heating unit capable of moving 3 tons of air for cooling.

3. The next set of numerals following the dash, indicates thousands of Btuh heating or cooling capacity.

**G14Q3-100** - Gas heating unit capable of 100,000 Btuh input.

**HS22-311** - Condensing unit capable of approximately 31,000 Btuh cooling capacity.

Note: When the coding system was originated for condensing units, the numerals after the dash represented the maximum Btuh cooling capacity. those numerals are still used today in model numbers to denote cooling capacity but are no longer accurate measurements. This is because of varying evaporator coil/condensing unit match-ups, varying air volumes, etc. Cooling capacity is now defined in more general terms by tons of cooling. The following list equates cooling tonnage to the Btuh capacities found in model numbers.

### Old Nomenclature

#### **BTU = TONS**

-14 = 1 ton  
 -21 = 1½ tons  
 -26 = 2 tons  
 -31 = 2½ tons  
 -41 = 3 tons  
 -46 = 3½ tons  
 -51 = 4 tons  
 -65 = 5 tons  
 -81 = 6 tons

#### **BTU = TONS**

-95 = 7½ tons  
 -135 = 10 tons  
 -185 = 15 tons  
 -275 = 20 tons  
 -300 = 25 tons  
 -360 = 30 tons  
 -415 = 33 tons  
 -450 = 37 tons  
 -600 = 50 tons

### New Nomenclature

#### **BTU = TONS**

012 = 1 ton  
 018 = 1-1/2 tons  
 024 = 2 tons  
 030 = 2-1/2 tons  
 036 = 3 tons  
 042 = 3-1/2 tons  
 048 = 4 tons  
 060 = 5 tons  
 072 = 6 tons

#### **BTU = TONS**

090 = 7 1/2 tons  
 120 = 10 tons  
 150 = 12-1/2 tons  
 180 = 15 tons  
 240 = 20 tons  
 300 = 25 tons  
 360 = 30 tons  
 450 = 37-1/2 tons  
 540 = 45 tons

4. A single dash numeral at the end of a model number represents a minor engineering change in that series unit.

GCS16-060-125-**2** - The unit has a minor change, but not enough to warrant a new series GCS.

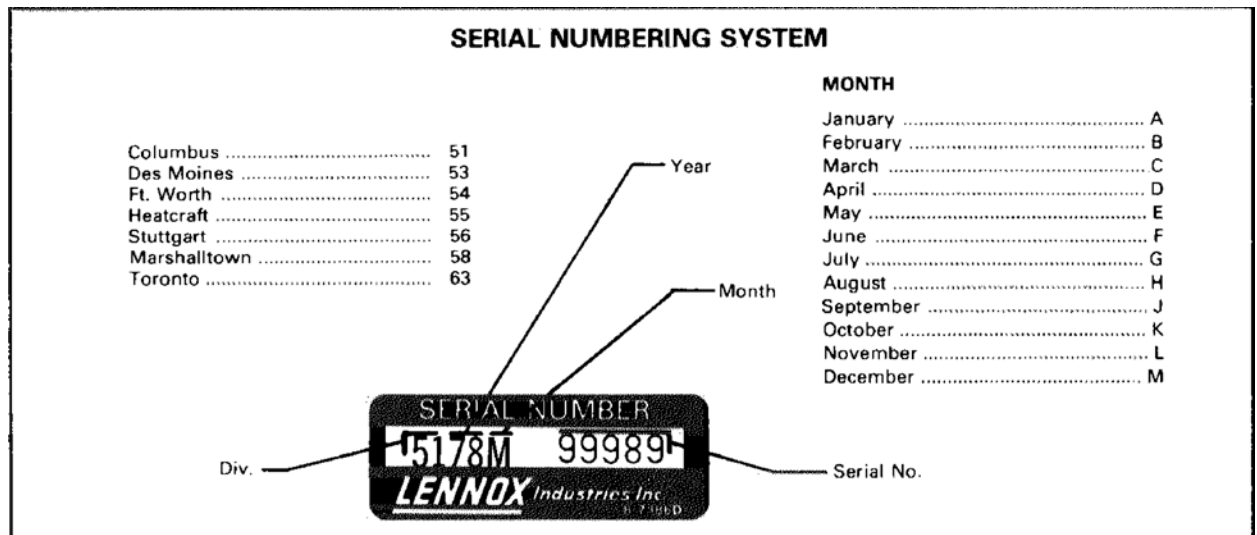
## Voltage Code

Since 1968 all Lennox equipment that operates on voltage other than 120-volt/60 hertz single phase, is labeled with a letter designation to indicate primary voltage. This designation is the last letter in the unit model number.

GCS16-060-125-2**P** - P =, single phase & 60 hertz.

VOLTAGE CHARACTERISTICS			
Code Letter	Voltage	Phase	Hertz
A	230	1	60
B	208	1	60
C	230/240	1	60
D	208/220	3	60
E	220/240	3	60
F	440/480	3	60
G	460	3	60
H	550/600	3	60
J	575	3	60
K	208/230	1	50
L	208/240	3	60
M	380/420	3	50
N	220/240	3	50
P	208/230	1	60
Q	230	3	60
R	208	3	60
S	550	3	60
T	220/240	1	50
U	208/240	1	60
W	200/220	1	50
X	277	1	60
Y	208/230	3	60

## Serial Numbering System



## Typical Model Numbers

Model	Description
G14-100	Gas heating unit, series 14, 100,000 Btuh input.
G14Q3-80	Gas heating unit, series 14, direct drive blower for 3 tons of cooling, 80,000 Btuh input.
G12Q3E-110	Gas heating unit, series 12 direct drive blower for 3 tons of cooling electronic ignition, 110,000 Btuh input.
HS18-261-7P	Condensing unit, series 18, approximately 26,000 cooling capacity (2 tons), single phase power.
HS19-311-1P	Condensing unit, series 19, approximately 31,000 Btuh cooling capacity (2-1/2 tons), single-phase power, expansion valve unit.
HP19-511-1Y	Heat pump unit, series 19, approximately 51,000 Btuh heating and cooling capacity (4 tons), three phase power, expansion valve unit.
C16-41-1FF	Evaporator coil, up-up-flow, series 16, approximately 41,000 Btuh cooling capacity (3 tons).
CHA15-261-1P	Single package air conditioner, series 15, approximately 26,000 Btuh cooling capacity (2 tons), single-phase power.

## Letter Codes

Code	Explanation
A	Aluminized heat exchanger
B	Blower
C	Evaporator coil (up-flow)
*D	Direct drive blower, generally for heating only
DF	Down Flow
DFV	Down flow variable speed blower motor
E	Two meanings: 1) Electric heating unit or 2) Electric ignition (on gas units)
F	Filter box
G	Gas heating unit
G**M	Gas furnace multi position
G**MP	Gas furnace multi position
G**V	Gas furnace variable speed
G**MPV	Gas furnace multi position variable speed
GHR	Gas furnace horizontal reverse flow(down flow)
GSR	Gas furnace horizontal down flow
M	Mobile home unit
O	Oil heating unit
OF	Oil furnace up flow low boy
OHR	Oil heating unit horizontal down flow

<b>Code</b>	<b>Explanation</b>
OS	Oil furnace horizontal
*Q	Direct drive blower, generally for both heating and cooling
S	Stowaway unit (horizontal flow)
V	Two meanings: 1) Expansion valve system for cooling units or 2) Vitreous coated heat exchanger on gas furnace
W	Two meanings: 1) Water coil or 2) Wide cabinet
AF	Adapter frame
AC	Air cooled condenser
AM	Air module-hydronic heat
BMAC	Box mechanical air cleaner
CB	Coil blower unit (indoor evaporator and blower in same unit)
CBH	Coil blower unit horizontal
CBS	Coil blower unit horizontal
CBW	Coil blower chilled water and hot water
CBX**M	Coil blower multi position R-410A
CBX**MV	Coil blower multi position variable speed blower R-410A
CH	Evaporator coil (horizontal flow)
COWB	Oil fired hot water boiler
CP	Heat pump coil
CR	Evaporator coil (reverse or down flow)
DX	Direct expansion (cooling)
E	Electric furnace
ED	Electric duct heater (horizontal or up flow)
FF	Flared fittings on cooling unit or cooling coil
FLEXZONE	Two zone zoning system
GWB	Gas fired hot water boiler
GSB	Gas fired steam boiler
HARMONY	Zoning system for variable speed blower
HM	Heating module-hydronic
HRV	Heat recovery ventilator
HP	Heat pump (outdoor unit)
HPXA	Heat pump(outdoor unit) R-410A
HPW	Heat pump water cooled condenser
HS	High side or condensing unit
HSXA	Condensing unit R-410A
HSM	Condensing unit multi zone
HSMW	Condensing unit water cooled multi zone
HSA	Condensing unit air cooled
HW	Hot water coil add on
IK	Installation kit
LD	Gas duct furnace
LF	Gas space heater
LP	Oil fired industrial heater (horizontal or up flow)
MGF	Multi position gas furnace

<b>Code</b>	<b>Explanation</b>
MV	Multi position variable speed blower
PCO	Pure air cleaner-Photo catalytic Oxidation System
PG	Gas powered burner
PV	Power vented
OF	Oil furnace (low boy)
RA	Return air cabinet
RD	Power saver (damper mixing box)
RP	Readout panel
RGF	Down flow gas furnace
RT	Duct enclosure
SC	Solar collector
SE	Solar assisted electric unit
SG	Solar assisted gas unit
SO	Solar assisted oil unit
SU	Storage unit
TC	Transport control unit
UGF	Up flow gas furnace
UH	Up flow horizontal
UHG	Up flow horizontal gas furnace
UV	Ultra violet germicidal light
UVO	Ultra violet ozone generating germicidal light
UHI	Up flow horizontal inverter controlled blower motor
WB	Bypass type humidifier
WD	Drum type humidifier
WP	Powered humidifier
WS	Spray type humidifier
ZD	Zone damper box
ZM	Zone master control
CBH	Horizontal coil-blower unit
CHA	Single package air conditioner (condensing & evap. coil and blower in same unit)
CHP	Single package heat pump (indoor & outdoor coils and blower in same unit)
CPH	Heat pump coil (horizontal)
CMZ	Canadian multizone system (manufactured in Canada)
DMS	Direct multizone system
DSS	Direct single zone system
LGA	L Series package gas unit with cooling
LGB	L Series package gas unit with cooling for Wal Mart
LGC	L Series package gas unit with cooling meets ASHRAE 90.1
LGE	L Series package gas unit with cooling for Wal Mart meets 90.1
LCA	L Series package cooling with add on electric heat
LCB	L Series package cooling with add on electric heat for Wal Mart
LCC	L Series package cooling with add on electric meets ASHRAE 90.1

<b>Code</b>	<b>Explanation</b>
LCE	L Series package cooling with add on electric Wal Mart meets 90.1
LHA	L Series package heat pump with add on electric heat
EAC	Electronic air cleaner
ECB	Add-on electric heat for CB units
ECH	Add-on electric heat for CHA and CHP units
ERS	Energy recovery system
ERV	Energy recovery ventilator
ERW	Energy recovery wheel
FMP	Fuel master plus (heat pump auxiliary fossil fuel control)
GCS	DX cooling-gas heating-single package
GED	Gravity exhaust dampers
GEDH	Horizontal gravity exhaust dampers
HSW	High side or condensing unit (wall mounted)
HRW	Solar purge coil (original name-now PCW)
LLB	Gas fired make-up air heater
LSC	Solar collector (original name-now SC)
LSA	L Series condensing unit 6 thru 20 ton
LSA***P	L Series split heat pump condensing unit 7 and 10 ton
LSM	Storage unit (original name-now SU)
LHF, LMU, LHV	Gas fired rooftop systems (heating, make-up air, ventilating)
LUF	Oil fired unit heater
OAD	Outdoor air damper
OCS	DX cooling-oil heating-single package
OHP	Oil burner
PCW	Purge coil water (solar)
PCE	Package unit cooling and electric heat
RMF	Roof mounting frame
RTM	Refrigerant transportation module (Zone master)
RVZ	Rooftop varizone system
SMS	Solar matched system
SHP	Solar assist heat pump unit
ZDB	Zone damper box-blower operated
HSWC	Water cooled condensing unit
LSHW/LSSH	Solar matched system (original name-now SMC)
LSTW/LSTS	Transport control unit (original name-now TC)
LSMK	Solar manifold kit (original name-now MK)
LRDG	Gas fired rooftop duct furnace (horiz., gravity vent)
LRDV	Gas fired rooftop duct furnace (horiz., power vent)
MCHA	Single package mobile home air conditioner (horiz.)
MCHP	Single package mobile home heat pump (horiz.)
REMD	Down flow economizer damper
EMDH	Horizontal economizer dampers

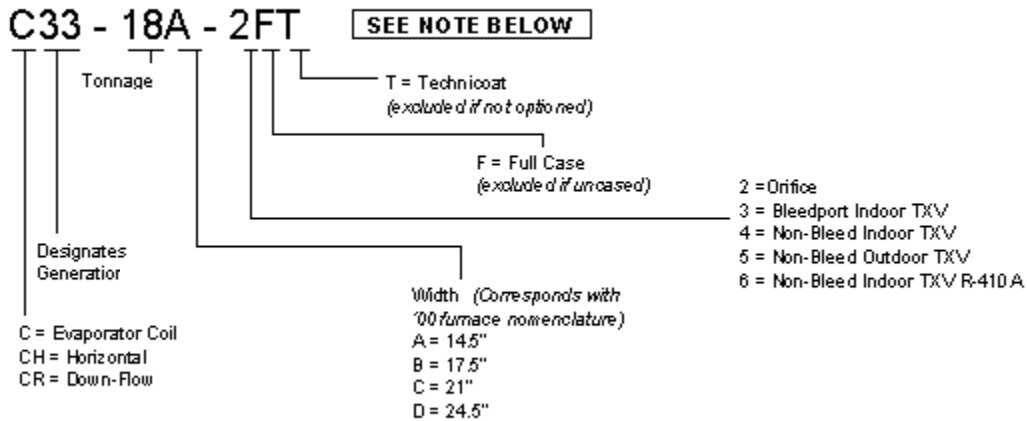
\*No "D" or "Q" in model number indicates belt drive blower.

\*\*Series

\*\*\*Capacity

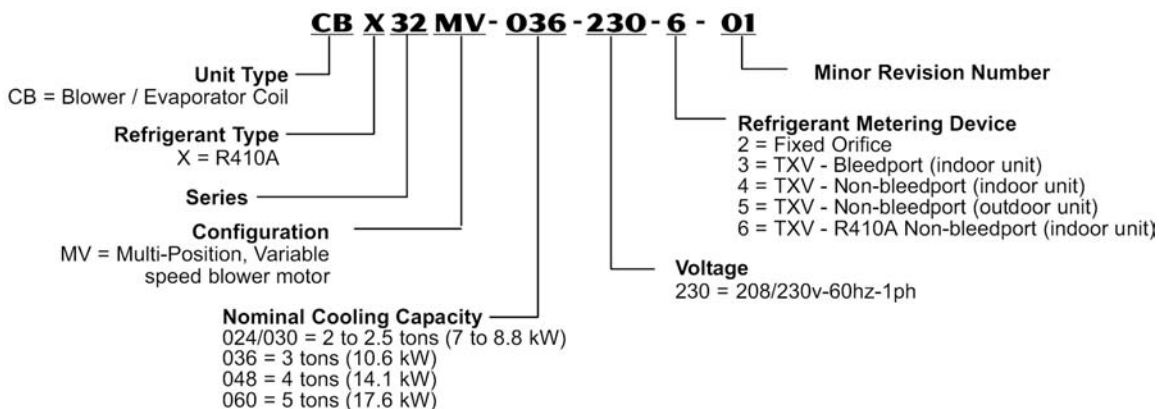
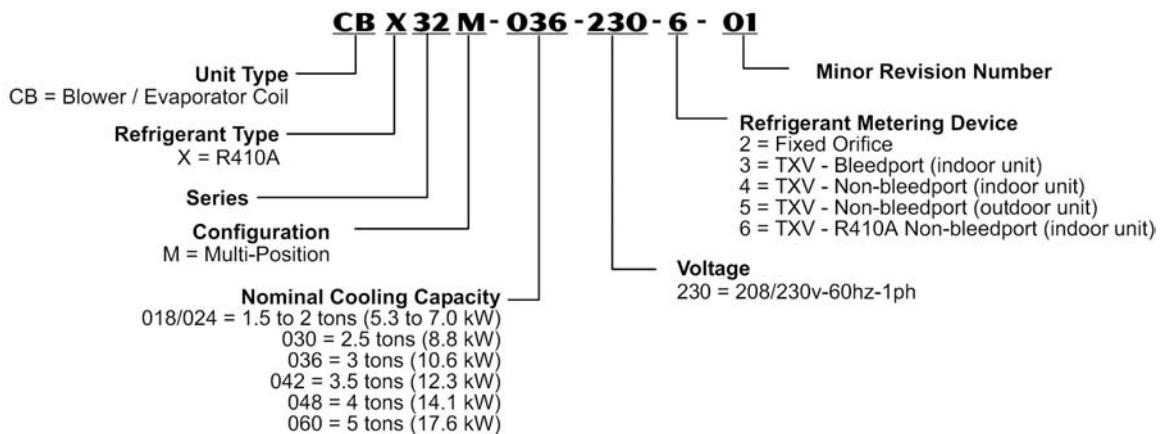
## New Residential Nomenclature

### Coils

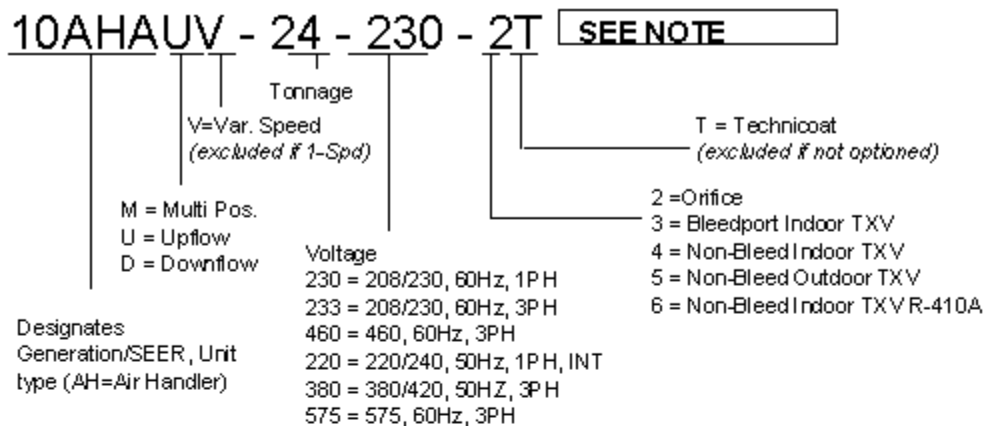


Note: Revision level will appear in the revision block below the model number on Nameplates. Bill of Material spreadsheets will show the revision level at the end of the model number.

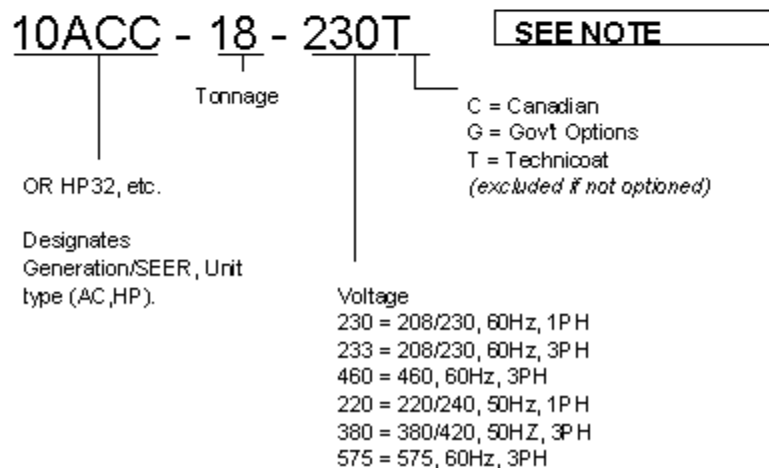
### Coil Blowers







## Air Conditioner/Heat Pump

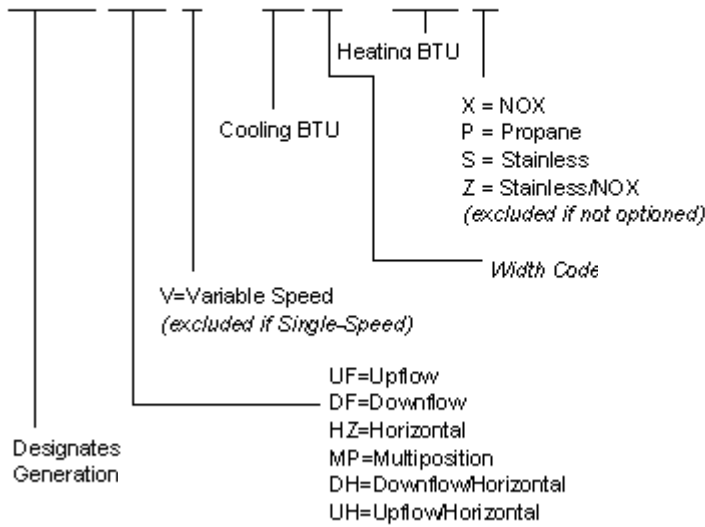


Note: Revision level will appear in the revision block below the model number on Nameplates. Bill of Material spreadsheets will show the revision level at the end of the model number.

# Furnace

G32DHV - 24A - 045X

SEE NOTE BELOW



Note: Revision level will appear in the revision block below the model number on Nameplates. Bill of Material spreadsheets will show the revision level at the end of the model number.

- 156 = 13 Tons
- 180 = 15 Tons
- 210 = 17.5 Tons
- 240 = 20 Tons
- 300 = 25 Tons
- 360 = 30 Tons
- 420 = 35 Tons
- 480 = 40 Tons
- 540 = 45 Tons
- 600 = 50 Tons
- 660 = 55 Tons
- 720 = 60 Tons

**Cooling Efficiency**

- S = Standard Efficiency
- M = Mid Efficiency
- H = High Efficiency
- U = Ultra High Efficiency

**Heating Option**

- L = Low Gas Heat
- S = Standard Gas Heat
- H = High Gas Heat
- M = Modulating Gas Heat
- X = Low Gas Heat, Low NOx
- Y = Standard Gas Heat, Low Nox
- Z = High Gas Heat, Low NOx
- A = 7KW Electric Heat
- B = 7.5 KW Electric heat
- C = 10 KW Electric Heat
- D = 15 KW Electric Heat
- E = 20 KW Electric Heat
- F = 25 KW Electric Heat
- G = 30 KW Electric Heat
- J = 45 KW Electric Heat
- K = 60 KW Electric Heat
- P = 90 KW Electric Heat

**Refrigerant Type**

- 2 = R-22
- 4 = R-410A

**Blower Type**

- D = Constant Volume Direct Drive
- E = Variable Volume Direct Drive

A0 = Novar 2051

**Coil Options**

- 0 = No Option
- A = Outdoor Only
- B = Indoor Only
- C = Indoor & Outdoor Only

**Heat-X Option**

- 0 = Standard
- 1 = Stainless Steel

**Smoke Detector Options**

- 0 = No Option
- A = Return Air Smoke Detector
- B = Supply Air Smoke Detector
- C = Return & Supply Air Smoke Detectors

**Exhaust Option**

- 0 = No Option
- 1 = Gravity Exhaust (Barometric Relief)
- 2 = Power Exhaust Fan, CV Prop
- 3 = Power Exhaust Fan, VAV Prop.
- 4 = PEF, CV Centrifugal
- 5 = PEF, VAV Centrifugal
- 6 = Future options...

**Fresh Air Option**

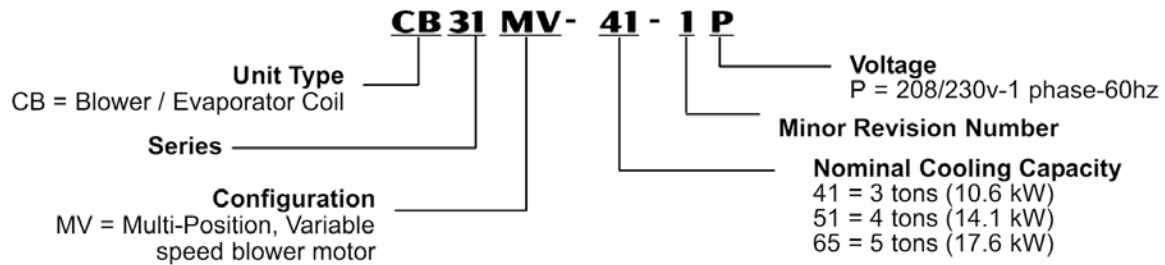
- 0 = No Option
- A = Manual Outdoor Air
- B = Motorized Outdoor Air
- C = Economizer, Full Modulating with sensible control
- D = Economizer, Full Modulating with global control
- E = Economizer, Full Modulating with single enthalpy control
- F = Economizer, Full Modulating with dual enthalpy control

**Electrical Option**

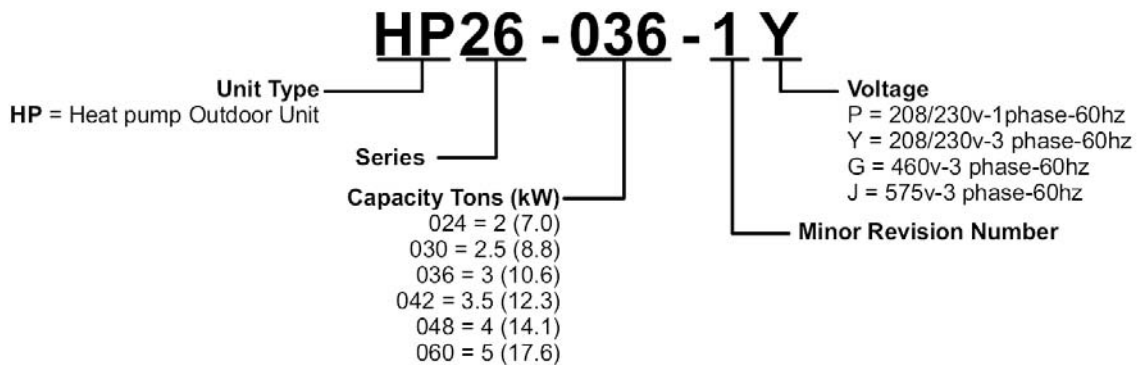
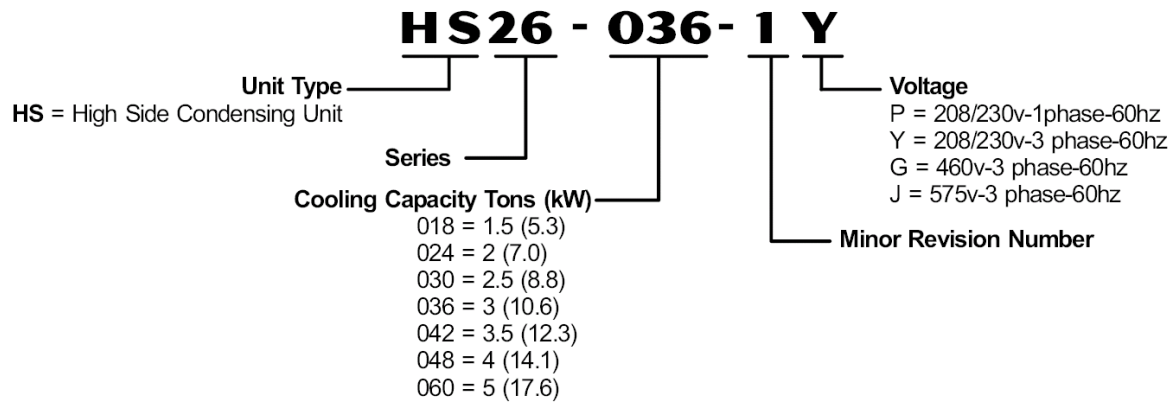
- 0 = No Option
- 1 = Disconnect
- 2 = HACR Breaker

Old Residential Nomenclature

Coil Blowers



Air Conditioner/Heat Pump



# L Series

