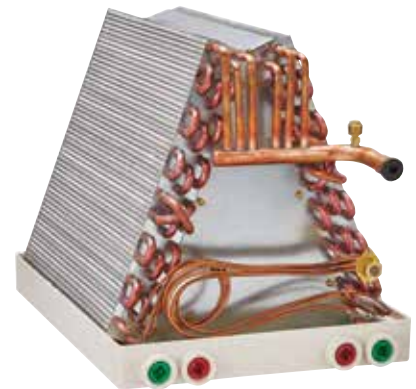


### FEATURES

- High efficiency lanced fin design
- R-454B, R-32, AC & Heat Pump compatible with Refrigerant Detection System
- Refrigerant Detection System Options:
  - Factory installed sensor and mitigation board in box
  - Factory installed sensor only without board for LE-Series indoor units
- All coils have durable packaging with bar coded labels on the box
- Coils are air pressure tested at 500 psi, leak tested with helium, sealed with rubber plugs, then charged with dry air
- Microban® antimicrobial additive to inhibit the growth of mold and mildew in the drain pan
- UV resistant drain pans are molded of high temperature (450 deg. F) engineered polymer
- Dual 3/4" FPT condensate drains on front-left and front-right side of drain pans
- Patented low water retention drain pan
- Copper refrigerant connections for easy brazing on both copper and aluminum slab models
- Intertek lab tested 1% or less cabinet air leakage for better efficiency
- Cased coil cabinets are fully lined with 5/8" foil faced insulation
- Optional painted or embossed galvanized steel cabinets
- Short cabinet with easy access
- Non-captive refrigerant lines with long stubs make for easy installation
- Enhanced refrigerant pipe grommets: secure, tight, and easy to install
- Copper distributor tube assembly provides brass to brass threads for trouble-free service of TXV
- Expansion valve with improved temperature sensing:
  - 1.) Mounted inside cabinet to prevent external sweating
  - 2.) Bulb clamped standard factory installed
- Multi-position coils are upflow, left or right airflow capable
- See chart for downflow capable coils
- Cabinet insulation hold down tabs for easy drain pan removal
- Interlocking doors reduce air leakage and allow for easy access
- Foam drain seal for reduced air leakage
- All multi-position coils are field convertible from horizontal right-to-left airflow and horizontal left-to-right airflow
- Suction line refrigerant connections are 3/4" ODF (A-Coil 18-36 size models) or 7/8" ODF (A-Coil 42-60 size models)
- Corrosion resistant coil header plates

## MCG & CCG

### CASED/UNCASED COILS



OR



# MODEL NOMENCLATURE

## (C,M) (A,C) G 18 P A 1 P L

**C** = Uncased Vertical  
**M** = Cased Multi-position

**A** = Aluminum Fin & Tube  
**C** = Copper Fin & Tube

**G** = Green Gas

Nominal Tonnage BTUH

**18** = 1.5 ton  
**1824** = 1.5 - 2 ton  
**24** = 2 ton  
**2430** = 2 - 2.5 ton  
**30** = 2.5 ton  
**3036** = 2.5 - 3 ton  
**36** = 3 ton  
**42** = 3.5 ton  
**4248** = 3.5 - 4 ton  
**48** = 4 ton  
**4860** = 4 - 5 ton  
**60** = 5 ton

Refrigerant Detection System\*

**R** = RDS Controller & Sensor (Factory Installed)  
**L** = Leak Detection Sensor (Factory Installed)  
**S** = R410A Service Coil (Replacement only)

Series

Coil Code

<b>Width Cased</b>	<b>Uncased</b>
<b>A</b> = 14.5"	<b>A</b> = 14"
<b>B</b> = 17.5"	<b>B</b> = 17"
<b>C</b> = 21"	<b>C</b> = 20"
<b>D</b> = 24.5"	<b>F</b> = 15.5"

Refrigerant Type & Metering Device (Field Configurable)

**P** = Piston (R-454B)  
**A** = R-454B Non-bleed HP-A/C TXV  
**T** = R-410A Non-bleed HP-AC TXV  
**B** = R-32 Non-bleed HP-A/C TXV

**Please Note:**

The R Series coils include RDS mitigation board and sensor. Recommended for use with non-LE Series indoor units.

The L Series coils include the RDS sensor only and are intended for use with LE Series indoor units.

The S Series coils are R410A replacement coils only and many not be used for new installations or be eligible for new ratings.

If an L Series coil is used with a non-A2L compliant furnace OR a non-LE Series furnace, a mitigation board (p/n 27A05) will need to be installed in the furnace.

Coil Code	
1=E31	9=E3K
2=E23	A=E48
3=E32	B=E54
4=E7J	C=E49
5=E8J	D=E80
6=E34	E=E81
7=E9J	F=E86
8=E1K	

R-454B Pistons	
MBTUH	Size
18	46
24	53
30	59
36	65
42	70
48	76
60	84

R-32 Pistons	
MBTUH	Size
18	41
24	30
30	53
36	57
42	62
48	65
60	76

## COIL BY SLAB NUMBER

Model	Slab #	Model	Slab #	Model	Slab #	Model	Slab #	Model	Slab #	Model	Slab #
CCG1824PADP	E80	CCG30PA2P	E23	MCG1824PADP	E80	MCG3036PAEP	E81	MCG42PB6P	E34	MCG48PC9P	E3K
CCG1824PBDP	E80	CCG30PB2P	E23	MCG1824PBDP	E80	MCG3036PBEP	E81	MCG42PC6P	E34	MCG48PD9P	E3K
CCG3036PAEP	E81	CCG30PC2P	E23	MCG1824PA1P	E31	MCG3036PCEP	E81	MCG42PD6P	E34	MCG60PCAP	E48
CCG3036PBEP	E81	CCG30PA5P	E8J	MCG1824PB1P	E31	MCG3036PA4P	E7J	MCG4248TBBP	E54	MCG60TCAP	E48
CCG1824PA1P	E31	CCG30PC5P	E8J	MCG1824PC1P	E31	MCG3036PB4P	E7J	MCG4248PCBP	E54	MCG60PDAP	E48
CCG1824PB1P	E31	CCG36PA7P	E9J	MCG1824TA1P	E31	MCG3036PC4P	E7J	MCG4248TCBP	E54	MCG60TDAP	E48
CCG18PA3P	E31	CCG36PB7P	E9J	MCG1824TB1P	E31	MCG3036TA4P	E7J	MCG4248PDBP	E54	MCG60PCBP	E54
CCG18PB3P	E32	CCG36PC7P	E9J	MCG1824TC1P	E31	MCG3036TB4P	E7J	MCG4248TDBP	E54	MCG60TCBP	E54
CCG2430PA3P	E32	CCG42PB6P	E34	MCG18PA3P	E32	MCG3036TC4P	E7J	MCG4248PB8P	E1K	MCG60PDBP	E54
CCG2430PB3P	E32	CCG42PC6P	E34	MCG18PB3P	E32	MCG30PA2P	E23	MCG4248PC8P	E1K	MCG60TDBP	E54
CCG24PA4P	E7J	CCG4248PCBP	E54	MCG18PC3P	E32	MCG30PB2P	E23	MCG4248PD8P	E1K	MAG36TA8P	G1K
CCG24PB4P	E7J	CCG4248PB8P	E1K	MCG2430PA3P	E32	MCG30PC2P	E23	MCG4248TB8P	E1K	MAG36TB8P	G1K
CCG3036PA4P	E7J	CCG4248PC8P	E1K	MCG2430TA3P	E32	MCG30PA5P	E8J	MCG4248TC8P	E1K	MAG36TC8P	G1K
CCG3036PB4P	E7J	CCG4248TB8P	E1K	MCG2430PB3P	E32	MCG30PB5P	E8J	MCG4248TD8P	E1K	MAG60TCFP	G86
CCG3036TA4P	E7J	CCG4248TC8P	E1K	MCG2430TB3P	E32	MCG30PC5P	E8J	MCG48PBFP	E86	MAG60TDFP	G86
CCG3036TB4P	E7J	CCG48PBFP	E86	MCG2430PC3P	E32	MCG30TB5P	E8J	MCG48PCFP	E86		
		CCG48PCFP	E87	MCG2430TC3P	E32	MCG30TC5P	E8J	MCG48TCFP	E86		
		CCG48PC9P	E3K	MCG24PA4P	E7J	MCG36PA7P	E9J	MCG48PDFP	E86		
		CCG48PCCP	E49	MCG24PB4P	E7J	MCG36PB7P	E9J	MCG48TDBP	E54		
		CCG60PCAP	E48	MCG24PC4P	E7J	MCG36PC7P	E9J	MCG48PCCP	E49		
		CCG60PCBP	E54	MCG24TA4P	E7J	MCG36TB7P	E9J	MCG48PDCP	E49		
				MCG24TB4P	E7J	MCG36TC7P	E9J				
				MCG24TC4P	E7J						

# MCG Series

Cased Multi-Position Coils

# CCG Series

Uncased Upflow/Downflow Coils

## SPECIFICATIONS

Cased Dimensions				
Slab [1] Number	Nominal MBTUH	Width (A)	Depth (B)	Height (C)
G21	18	14.5" - 21.0"	21"	16.5"
	24			
	30			
E31	18	14.5" - 21.0"	21"	16.5"
	24			
	30			
E32	24	14.5" - 21.0"	21"	16.5"
	30			
	36	14.5" - 24.5"		
E7J	24	14.5" - 21.0"	21"	16.5"
	30			
	36	14.5" - 24.5"		
E8J	30	14" - 24.5"	21"	20.5"
	36	14.5" - 24.5"		
E34	36	14.5" - 24.5"	21"	20.5"
	42	17.5" - 24.5"		
	30	14" - 24.5"		
E9J	36	14.5" - 24.5"	21"	20.5"
	42	17.5" - 24.5"		
	36	14.5" - 24.5"		
E1K	42	17.5" - 24.5"	21"	22.5"
	48			
	36	17.5" - 24.5"		
E48	36	17.5" - 24.5"	21"	27.5"
	42			
	48	17.5" - 24.5"		
	60	21.0" - 24.5"		
E23	24	14.5" - 24.5"	21"	20.5"
	30			
	36	14.5" - 24.5"		
E3K	48	17.5" - 24.5"	21"	25.5"
	60	21.0" - 24.5"		
E49	48	21.0" - 24.5"	21"	27.5"
	60			
E54	48	21.0" - 24.5"	21"	31.5"
	60			
E80	36	14.5" - 21"	21"	20.5"
E81	36	14.5" - 21"	21"	20.5"
E86	48	17.5" - 24.5"	21"	27.5"
	60	21.0" - 24.5"		

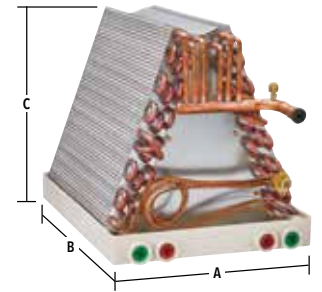
## SPECIFICATIONS

Uncased Dimensions and Airflow Data									
Slab Number	Nominal MBTUH	CFM	Face Vel. (fpm)	Wet Coil Air Pressure Drop (inches W.C.) by Drain Pan Width [A]				Pan Depth [B]	Coil Height [C]
				14"	15.5"	17"	20"		
G21	18	600	224	0.18	0.15	0.14	-	19.5"	13"
	24	800	299	0.20	0.18	0.17	-		
	30	1000	375	0.25	0.23	0.22	-		
E31	18	600	224	0.22	0.19	0.18	-	19.5"	13"
	24	800	299	0.25	0.21	0.20	-		
	30	1000	375	0.29	0.25	0.24	-		
E32	24	800	257	0.21	0.19	0.17	-	19.5"	15"
	30	1000	321	0.25	0.23	0.20	-		
	36	1200	386	0.30	0.29	0.27	-		
E7J	24	800	257	0.24	0.22	0.19	-	19.5"	15"
	30	1000	321	0.29	0.26	0.23	-		
	36	1200	386	0.34	0.33	0.31	-		
E8J	30	1000	281	0.27	0.25	0.22	0.17	19.5"	17"
	36	1200	337	0.34	0.32	0.27	0.23		
E34	36	1200	300	0.29	0.27	0.25	0.17	19.5"	19"
	42	1400	350	-	0.30	0.28	0.26		
E9J	30	1000	250	0.25	0.24	0.21	0.15	19.5"	19"
	36	1200	300	0.33	0.31	0.29	0.19		
	42	1400	350	-	0.34	0.32	0.30		
E1K	36	1200	270	0.31	0.30	0.27	0.23	19.5"	21"
	42	1400	315	-	0.34	0.31	0.29		
	48	1600	360	-	-	0.34	0.34		
	36	1200	208	0.27	0.25	0.21	0.13		
E48	42	1400	242	-	0.29	0.27	0.23	19.5"	27"
	48	1600	277	-	-	0.29	0.26		
	60	2000	346	-	-	-	0.28		
	24	800	225	0.16	0.15	0.12	0.11		
E23	30	1000	281	0.21	0.19	0.17	0.15	19.5"	17"
	36	1200	337	0.27	0.25	0.22	0.20		
	48	1600	300	-	-	0.32	0.29		
E3K	60	2000	375	-	-	-	0.31	19.5"	25"
	48	1600	300	-	-	-	0.29		
	60	2000	375	-	-	-	0.32		
E49	48	1600	300	-	-	-	0.29	19.5"	25"
	60	2000	375	-	-	-	0.32		
E54	48	1600	257	-	-	-	0.21	19.5"	29"
	60	2000	322	-	-	-	0.30		
E80	36	1200	338	0.53	-	0.50	-	19.5"	17"
E81	36	1200	300	0.48	-	0.41	-	19.5"	19"
E86	48	1600	301	-	-	0.46	0.37	19.5"	25"
	60	2000	376	-	-	-	0.41		



A = Width  
 B = Depth  
 C = Height (excluding 3/4" top flange)  
 Supply Opening: (A - 1.5") x (B - 1.5")  
 Return Opening: (A - 1.0") x (B - 0.5")  
 [1] E & A = Copper slab;  
 G = Aluminum slab.

Slab Number	Weights			
	Copper Slab		Alum Slab	
	Unc	Csd MP	Unc	Csd MP
G21	20	35	16	28
E31	24	38	19	30
E32	28	46	22	37
E7J	28	46	22	37
E8J	32	50	26	40
E34	35	56	28	44.8
E9J	35	56	28	45
E1K	39	60	31	48
E48	44	66	35	53
E23	26	45	21	36
E3K	45	65	36	52
E49	47	69	38	55.2
E54	50	75	40	60
E80	40	53	32	42
E81	42	56	34	45
E86	61	70	49	56



A = Width  
 B = Depth  
 C = Height (excluding 3/4" top flange)  
 [1] E & A = Copper slab;  
 G = Aluminum slab.

## DOWNFLOW CHART

- The below chart lists downflow capable coils with approved air flow settings.
- Some applications require a field installed kit.
- Downflow applications not listed on this chart are not recommended

Slab Number	Downflow Available						
	600	800	1000	1200	1400	1600	2000
E1K		--	--	Y	--	--	--
G21		Y	--	--	--	--	--
E23		Y	Y	--	--	--	--
E31		Y	--	--	--	--	--
E32		Kit	--	--	--	--	--
E34		--	--	Kit	--	--	--
E3K		--	--	--	--	Kit	--
E54		--	--	--	--	Y	Y
E8J		--	Y	--	--	--	--
E9J		--	Y	--	--	--	--
A12		--	--	Y	--	--	--
A14		--	--	--	Y	Y	--

Downflow Not Available
E48
E49
E7J
E80
E81
E86
A10
A11

Y = Downflow capable.

Kit = Downflow capable with field installed kit Part #76701323.

Dash (--) Downflow not approved at this air flow.

## PALLET QUANTITIES

Drain Pan Width	Cased							
	Pallet Qty by Coil Height (in)							
	12.5	16.5	18.5	20.5	22.5	25.5	27.5	31.5
14.50"	18	12	12	6	6	6	4	-
17.50"	8	8	8	4	4	4	4	-
21.00"	-	8	8	4	4	4	4	4
24.50"	-	8	8	4	4	4	4	4

"This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65."

Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.