

HEAT CONTROLLER, INC.

R-410A CASED & UNCASED COILS

Nominal Capacities 18,000-60,000 BTUH

High quality coils are designed for use with split system air conditioning units and are available for vertical upflow or downflow, and horizontal left or right airflow.

13 and 14 SEER Matches

Coils are designed to match Heat Controller A/C condensing units for R-410A; however, these coils will match with a large range of other manufacturers' condensing units and heat pumps.

- **Wide Range of Applications**—Coils are ideally suited to new construction and replacement installations
- **Thermal expansion valves**—All coils are equipped with 15% bleed type R-410A TXVs
- **Designed for efficiency**—Aluminum fins are bonded to internally grooved copper tubing
- **Corrosion-Proof Drain Pan**—Unique design maximizes application flexibility and condensate removal; upflow pan made of injection molded high temperature UL approved plastic; horizontal drain pan made of UL approved vacuum-formed high impact PVC
- **Insulation**—Cased coils are fully insulated with foil faced insulation
- **Easy Installation**—Coils come with dual right and left hand 3/4" F.P.T. condensate drain connections to simplify hook-ups
- **Secure Connections**—Refrigerant connections are swaged and factory sealed with copper caps
- **Factory Tested**—Coils are leak tested at 500 psig and then factory sealed
- **Verification**—Schrader valve verifies factory nitrogen charge and ensure leak-tight integrity
- **UV Resistant**—All coil components are compatible with Germicidal Light Systems



MHG SERIES
Multi-Position Cased

VHG SERIES
Upflow/Counter Flow
Cased Coil



CSG SERIES
Uncased Coils



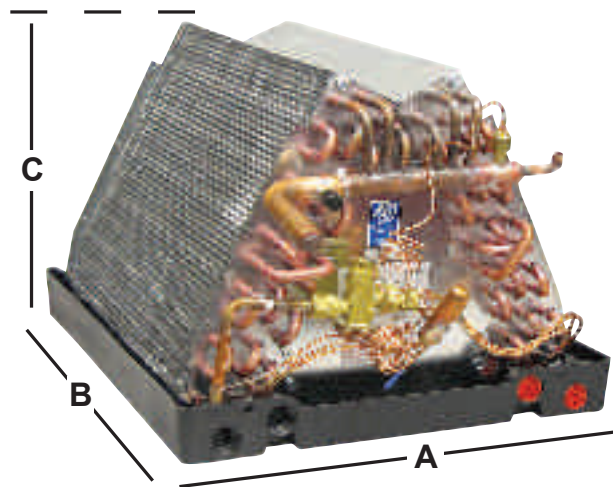
These coils are ARI certified for system applications when matched with Heat Controller outdoor units (air conditioning condensers).

See applicable condensing unit specification sheets for exact matches.

UNCASED COIL-UPFLOW/COUNTERFLOW

Model	SEER*	Width A	Depth B	Height C	Fits Furnace Width (in.)	Shipping Wt. (lbs.)
CSG24EA-14	13.0 - 14.0	13 ¹ / ₈	19	12	14	30
CSG24EA-17	13.0 - 14.0	16 ⁵ / ₈	19	12	17 ¹ / ₂	31
CSG36EA-14	13.0 - 14.0	13 ¹ / ₈	19	12	14	34
CSG36EA-17	13.0 - 14.0	16 ⁵ / ₈	19	14	17 ¹ / ₂	36
CSG36EA-21	13.0 - 14.0	18	19	14	21	38
CSG48EA-17	13.0 - 14.0	16 ⁵ / ₈	19	18	17 ¹ / ₂	48
CSG48EA-21	13.0 - 14.0	19 ⁵ / ₈	19	18	21	50
CSG48EA-24	13.0 - 14.0	23 ⁵ / ₈	19	18	24 ¹ / ₂	53
CSG60EA-21	13.0 - 14.0	19 ⁵ / ₈	19	20	21	58
CSG60EA-24	13.0 - 14.0	23 ⁵ / ₈	19	20	24 ¹ / ₂	60

* Minimum SEER when matched with Heat Controller condensing units:
 with RSG13—13.0 SEER; with RSG14—14.0 SEER.
 See unit specification sheet for matches.



CASED COIL-UPFLOW/COUNTERFLOW*

Model	SEER*	Width A	Depth B	Height C	Fits Furnace Width (in.)	Shipping Wt. (lbs.)
VHG24EA-14 [∞]	13.0 - 14.0	14	21	16	14	45
VHG24EA-17	13.0 - 14.0	17½	21	16	17½	48
VHG36EA-14 [∞]	13.0 - 14.0	14½	21	16	14	48
VHG36EA-17	13.0 - 14.0	17½	21	16	17½	50
VHG36EA-21 [∞]	13.0 - 14.0	21	21	16	21	48
VHG48EA-17 [∞]	13.0 - 14.0	17½	21	20	17½	57
VHG48EA-21	13.0 - 14.0	21	21	20	21	60
VHG48EA-24 [∞]	13.0 - 14.0	24½	20¼	20	24½	63
VHG60EA-21 [∞]	13.0 - 14.0	21	21	24	21	65
VHG60EA-24	13.0 - 14.0	24½	21	24	24½	68

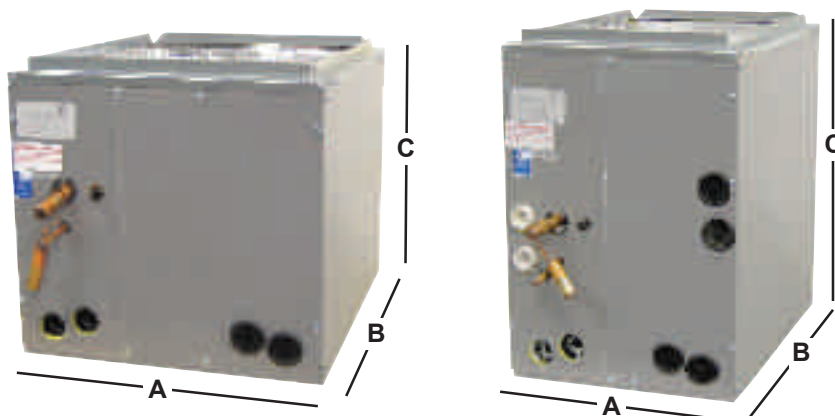
CASED COIL-MULTIPOSITION**

Model	SEER*	Width A	Depth B	Height C	Fits Furnace Width (in.)	Shipping Wt. (lbs.)
MHG24EA-14	13.0 - 14.0	14	21	20	14	51
MHG24EA-17	13.0 - 14.0	17½	21	20	17½	54
MHG36EA-14	13.0 - 14.0	14	21	20	14	53
MHG36EA-17	13.0 - 14.0	17½	21	20	17½	56
MHG36EA-21	13.0 - 14.0	21	21	20	21	51
MHG48EA-17	13.0 - 14.0	17½	21	24	17½	62
MHG48EA-21	13.0 - 14.0	21	21	24	21	65
MHG48EA-24	13.0 - 14.0	24½	21	24	24½	67
MHG60EA-21	13.0 - 14.0	21	21	24	21	70
MHG60EA-24	13.0 - 14.0	24½	21	26	24½	73

* Minimum SEER when matched with Heat Controller condensing units: with RSG13—13 SEER; with RSG14—14 SEER. See unit specification sheet for matches.

** No horizontal transition required

[∞] Consult factory for availability.



MODEL NUMBER IDENTIFICATION

MH

G

36

E

A

-

14

COIL TYPE	REFRIGERANT	CAPACITY (BTU/H)	METERING	REVISION LEVEL	FURNACE CABINET SIZE
MH = Cased Multiposition	E/N = R-22 G = R-410A	24 = 18-24,000 36 = 30-36,000 48 = 42-48,000 60 = 60,000	F = Piston E = TXV		14 = 14 17 = 17 1/2" 21 = 21" 24 = 24 1/2"
VH = Cased Upflow/Counterflow					
CS = Uncased Upflow/Counterflow					

* See condensing unit for nominal BTU/H specifications based on coil match

REFRIGERANT CONNECTIONS

COIL CAPACITY (TONS)	LIQUID	SUCTION
1 1/2 to 3	3/8"	3/4"
3 1/2 to 5	3/8"	7/8"

Top flange opening dimensions (W x D): Cabinet width—1 3/4" x 19 1/4"

Bottom flange opening dimensions (W x D): Cabinet width—1 1/4" x 20 1/4"



The coils listed in this brochure are designed for use with R-410A, an environmentally friendly refrigerant. Refrigerants used in the past contained chlorine which, when released to the atmosphere, combined with oxygen molecules from the earth's vital ozone layer, destroying this barrier that protects us from the sun's harmful ultraviolet rays. Soon all CFC and HCFC refrigerants used around the world will be replaced by non-ozone depleting types such as the R-410A already in use in our systems.

Design, specifications, performance data and materials subject to change without notice.

HEAT CONTROLLER, INC.

1900 Wellworth Ave., Jackson, Michigan 49203 • Ph. 517-787-2100 • Fax 517-787-9341

THE QUALITY LEADER IN AIR CONDITIONING

www.heatcontroller.com