

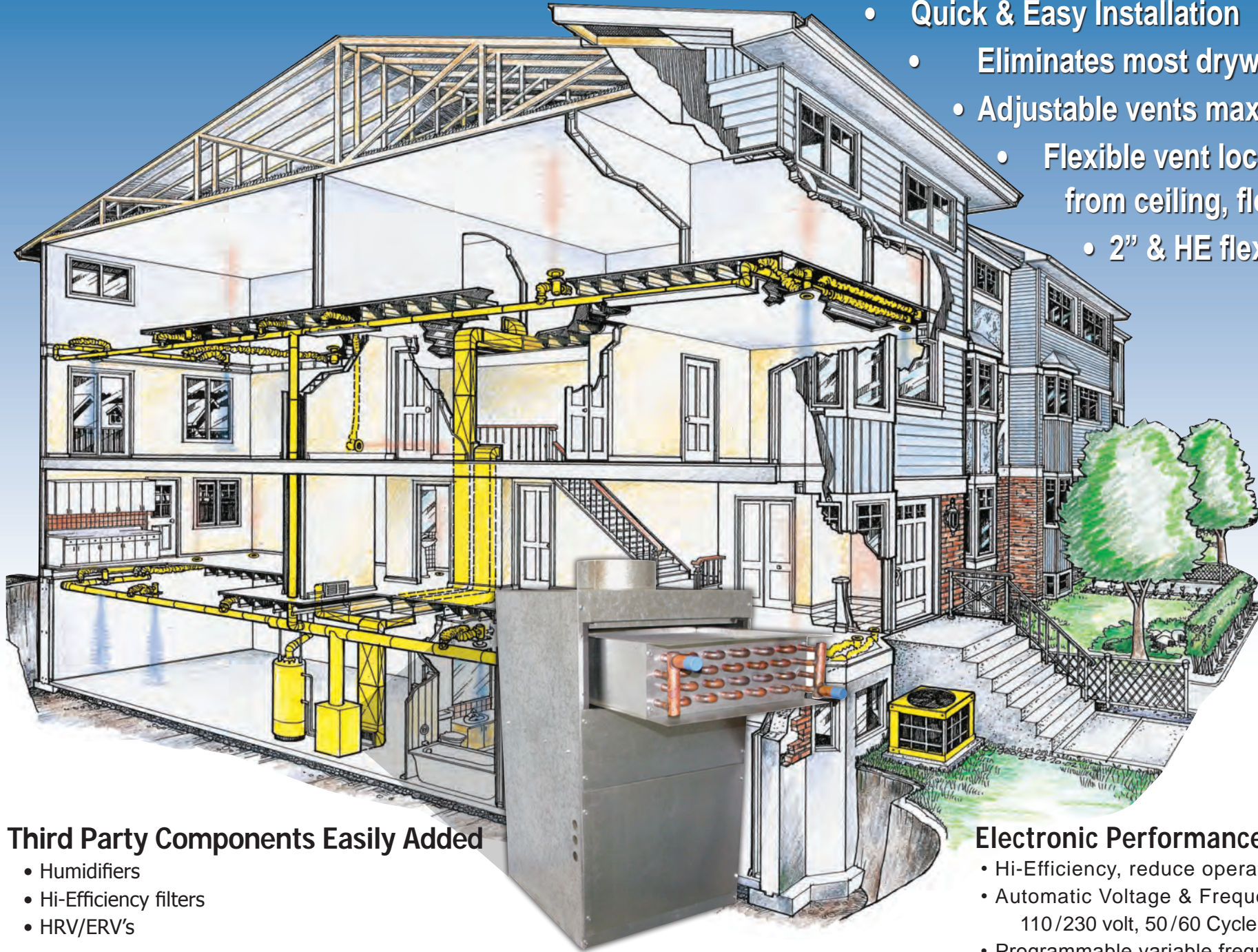


**The Optimum
Multi-Family
Heating & Cooling
Solution**

Builders Series Fan Coils

When Every Square Foot Matters, Count On Hi-Velocity Systems™!

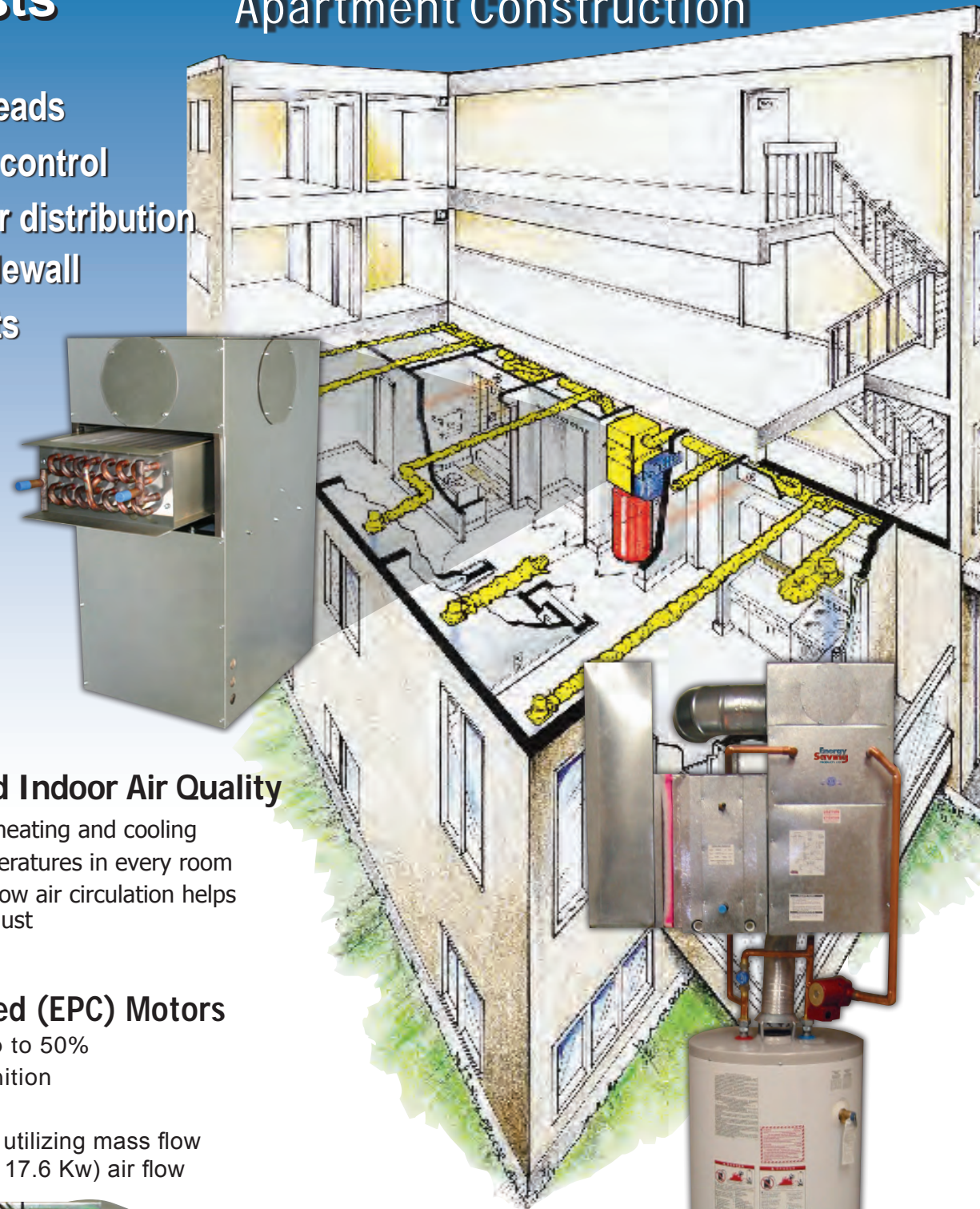
Townhouse Construction



Save On Installation Costs

- Quick & Easy Installation
- Eliminates most drywall bulkheads
- Adjustable vents maximize air control
- Flexible vent locations, air distribution from ceiling, floor or sidewall
- 2" & HE flexible ducts

Apartment Construction



Improved Indoor Air Quality

- Draft free heating and cooling
- Even temperatures in every room
- Constant flow air circulation helps eliminate dust

Third Party Components Easily Added

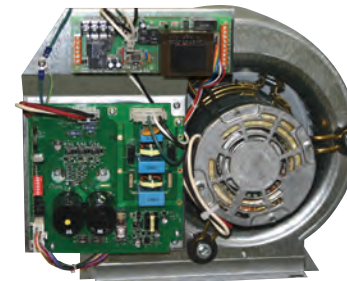
- Humidifiers
- Hi-Efficiency filters
- HRV/ERV's

Single Side Access Fan Coils

- Cooling capacities ranging from:
1.5 to 5 tons (5.3 to 17.6 Kw)
- Heating capacities up to:
140,000 btuh (41 Kw)
- Optional heating coil simply slides in place
- Comes pre-wired for heating, cooling, dehumidification and ventilation so no additional controls are needed
- Installs, Vertically, Horizontally, Counter-Flow

Electronic Performance Controlled (EPC) Motors

- Hi-Efficiency, reduce operating costs up to 50%
- Automatic Voltage & Frequency Recognition
110/230 volt, 50/60 Cycle
- Programmable variable frequency motor, utilizing mass flow technology to supply 1.5 to 5 tons (5.3 to 17.6 Kw) air flow
- 6 independent speeds
 1. Hi-Cooling
 2. Low-Cooling
 3. Dehumidification
 4. Hi-Heating
 5. Low-Heating
 6. Constant air flow
- Zoning Friendly



Space Saver Unit

- So compact it fits into a closet
- 5 possible supply outlets
- Can be installed in mechanical rooms, crawl spaces, closets or attics



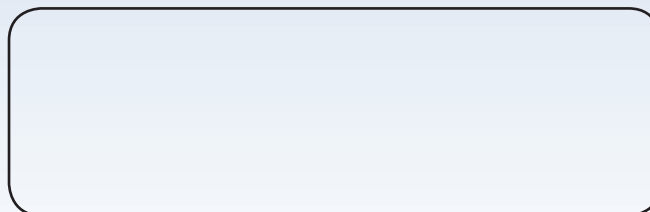
Re-Defining the Hi-Velocity System

Model	HE-51	HE-52	HE - 71	HE - 101
Hot Water Heating				
Coil Type	6 Row/10 FPI	4 Row/12 FPI	6 Row/10 FPI	6 Row/10 FPI
BTUH @ 190° E.W.T	59,400	50,900	89,200	134,000
BTUH @ 180° E.W.T	54,500	46,700	81,800	122,900
BTUH @ 170° E.W.T	49,600	42,500	74,400	111,800
BTUH @ 160° E.W.T	44,600	38,300	67,100	100,700
BTUH @ 150° E.W.T	39,700	34,100	59,700	89,700
BTUH @ 140° E.W.T	34,700	29,800	51,800	78,400
BTUH @ 130° E.W.T	29,700	25,500	44,700	67,100
BTUH @ 120° E.W.T	24,800	21,300	37,400	56,200
BTUH @ 110° E.W.T	20,100	17,200	30,300	45,500
GPM Flow ratings	5	5	7	10
Pressure Drop FT. H ₂ O	3	5	6.5	6.8
CFM @ 68° E.A.T	470	470	700	1120
Chilled Water Cooling				
Coil Type	6 Row/10 FPI	6 Row/10 FPI	6 Row/10 FPI	6 Row/10 FPI
(WCM Modules in cooling Mode)				
BTUH @ 48°F E.W.T.	19,300		27,000	42,100
BTUH @ 46°F E.W.T.	20,900		29,400	45,800
BTUH @ 44°F E.W.T.	22,600		31,800	49,500
BTUH @ 42°F E.W.T.	24,200		34,000	53,200
BTUH @ 40°F E.W.T.	25,800		36,400	56,800
(WCM Modules in Heating Mode)				
BTUH @ 150° E.W.T	39,700		59,700	89,700
BTUH @ 140° E.W.T	34,700		51,800	78,400
BTUH @ 130° E.W.T	29,700		44,700	67,100
BTUH @ 120° E.W.T	24,800		37,400	56,200
BTUH @ 110° E.W.T	20,100		30,300	45,500
GPM Flow ratings	5		7	10
Pressure Drop FT. H ₂ O	3		6.5	6.8
Refrigerant Cooling				
RPM-E Modules ⁽¹⁾	1.5 - 2.0	1.5 - 2.0	2.5 - 3.0	3.5 - 5.0
BTUH Refrigerant TX Cooling (tons)				
Electrical Heating				
Kilowatt Range	5 - 15 Kw	N/A	5 - 18 Kw	5 - 23 Kw
Voltage	115/230/1/50/60		F.L.A. 8 amp	
Max Rated C.F.M.	520	520	770	1260
Horse Power	3/4	3/4	3/4	3/4
R.P.M.	Variable	Variable	Variable	Variable
Integral Surge and Fuse System	Yes	Yes	Yes	Yes
Supply Air Size	8" round	2 x 6" or 1 x 8"	8" round	10" round
Supply Maximum Length ⁽²⁾	70'	50'	80'	100'
Return Size Needed	12" (113 in ²)	12" (113 in ²)	12" (113 in ²)	14" (154 in ²)
Minimum Outlets ⁽³⁾	12	12	20	28
Maximum Outlets	24	24	32	52

⁽¹⁾Smaller condensers may be matched to the fan coil when needed (match TXV to condenser size.)

⁽²⁾Maximum length is from the unit to the supply end run cap. More than one run per unit is allowable.

⁽³⁾Minimum of 8 full outlets per ton of cooling needed.



Manufactured by
Energy Saving
 PRODUCTS LTD

Call **1-888-652-2219** or Visit Us At

www.hi-velocity.com

