

# Re-Defining the Hi-Velocity System



# The Optimum Multi-Family Heating & Cooling Solution

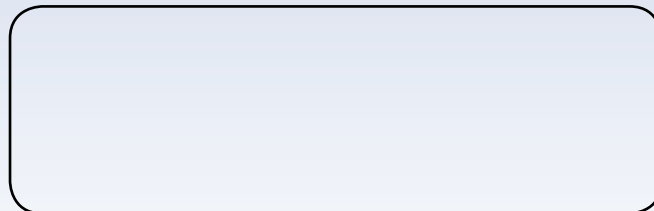
## Builders Series Fan Coils

Model	HE-51		HE-52	HE - 71		HE - 101	
<b>Hot Water Heating</b>							
Coil Type	4 Row/10 FPI	6 Row/10 FPI	4 Row/12 FPI	4 Row/10 FPI	6 Row/10 FPI	4 Row/10 FPI	6 Row/10 FPI
BTUH @ 190° E.W.T	50,900	59,400	50,900	74,300	89,200	112,300	134,000
BTUH @ 180° E.W.T	46,700	54,500	46,700	68,100	81,800	103,000	122,900
BTUH @ 170° E.W.T	42,500	49,600	42,500	61,900	74,400	93,700	111,800
BTUH @ 160° E.W.T	38,300	44,600	38,300	55,700	67,100	84,300	100,700
BTUH @ 150° E.W.T	34,100	39,700	34,100	49,500	59,700	75,000	89,700
BTUH @ 140° E.W.T	29,800	34,700	29,800	43,200	51,800	65,500	78,400
BTUH @ 130° E.W.T	25,500	29,700	25,500	36,800	44,700	56,000	67,100
BTUH @ 120° E.W.T	21,300	24,800	21,300	30,800	37,400	46,800	56,200
BTUH @ 110° E.W.T	17,200	20,100	17,200	24,900	30,300	37,900	45,500
GPM Flow ratings	5	5	5	7	7	10	10
Pressure Drop FT. H <sub>2</sub> O	5	3	5	3	6.5	6.5	6.8
CFM @ 68° E.A.T	470	470	470	700	700	1120	1120
<b>Chilled Water Cooling</b>							
Coil Type	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 <sub>2</sub> O	3		6.5		6.8		
<b>Refrigerant Cooling</b>							
RPM-E Modules <sup>(1)</sup>	1.5 - 2.0		1.5 - 2.0		2.5 - 3.0		3.5 - 5.0
BTUH Refrigerant TX Cooling (tons)							
<b>Electrical Heating</b>							
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 <sup>(2)</sup>	70'		50'		80'		100'
Return Size Needed	12" (113 in <sup>2</sup> )		12" (113 in <sup>2</sup> )		12" (113 in <sup>2</sup> )		14" (154 in <sup>2</sup> )
Minimum Outlets <sup>(3)</sup>	12		12		20		28
Maximum Outlets	24		24		32		52

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

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

<sup>(3)</sup>Minimum of 8 full outlets per ton of cooling needed.



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

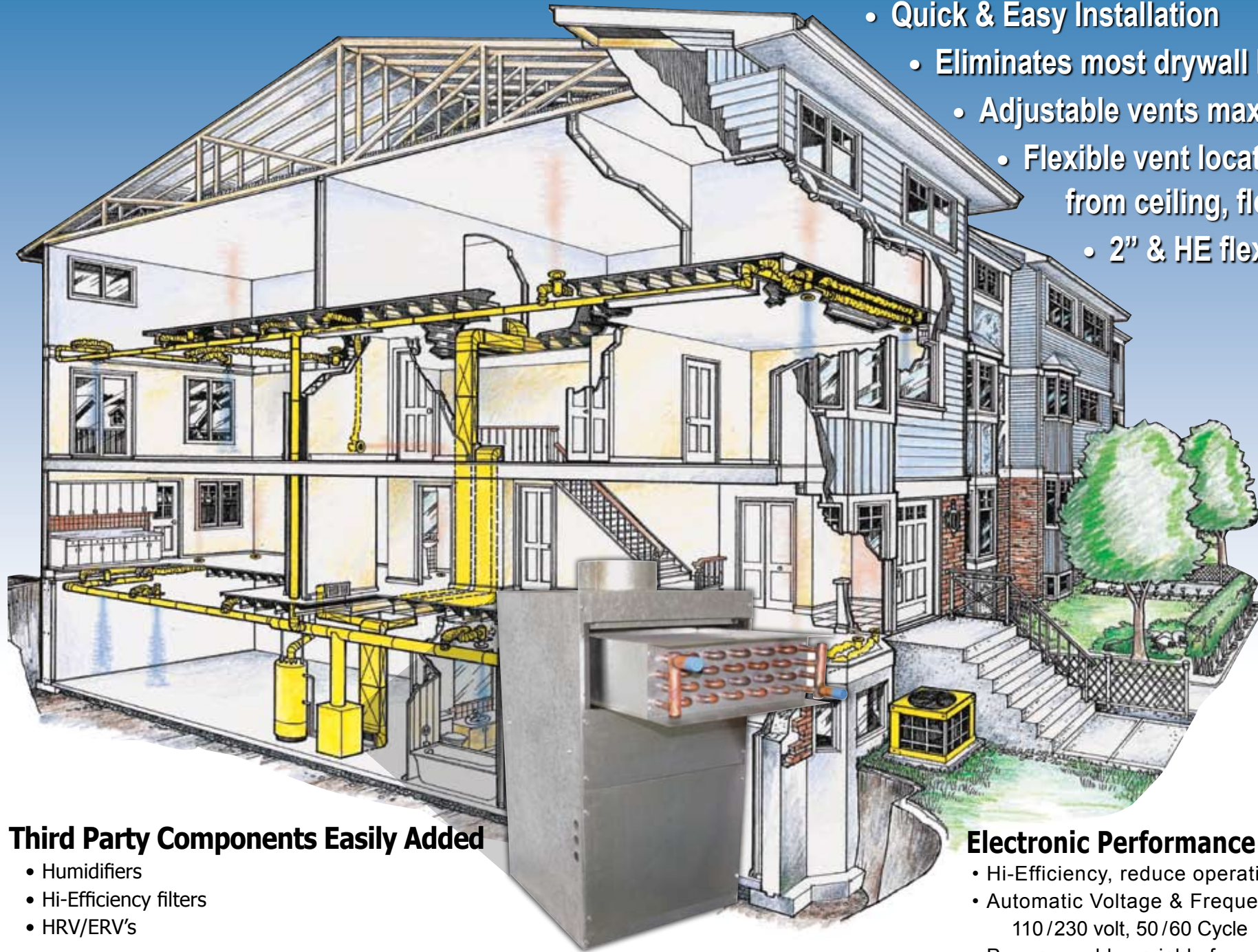


[www.hi-velocity.com](http://www.hi-velocity.com)



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

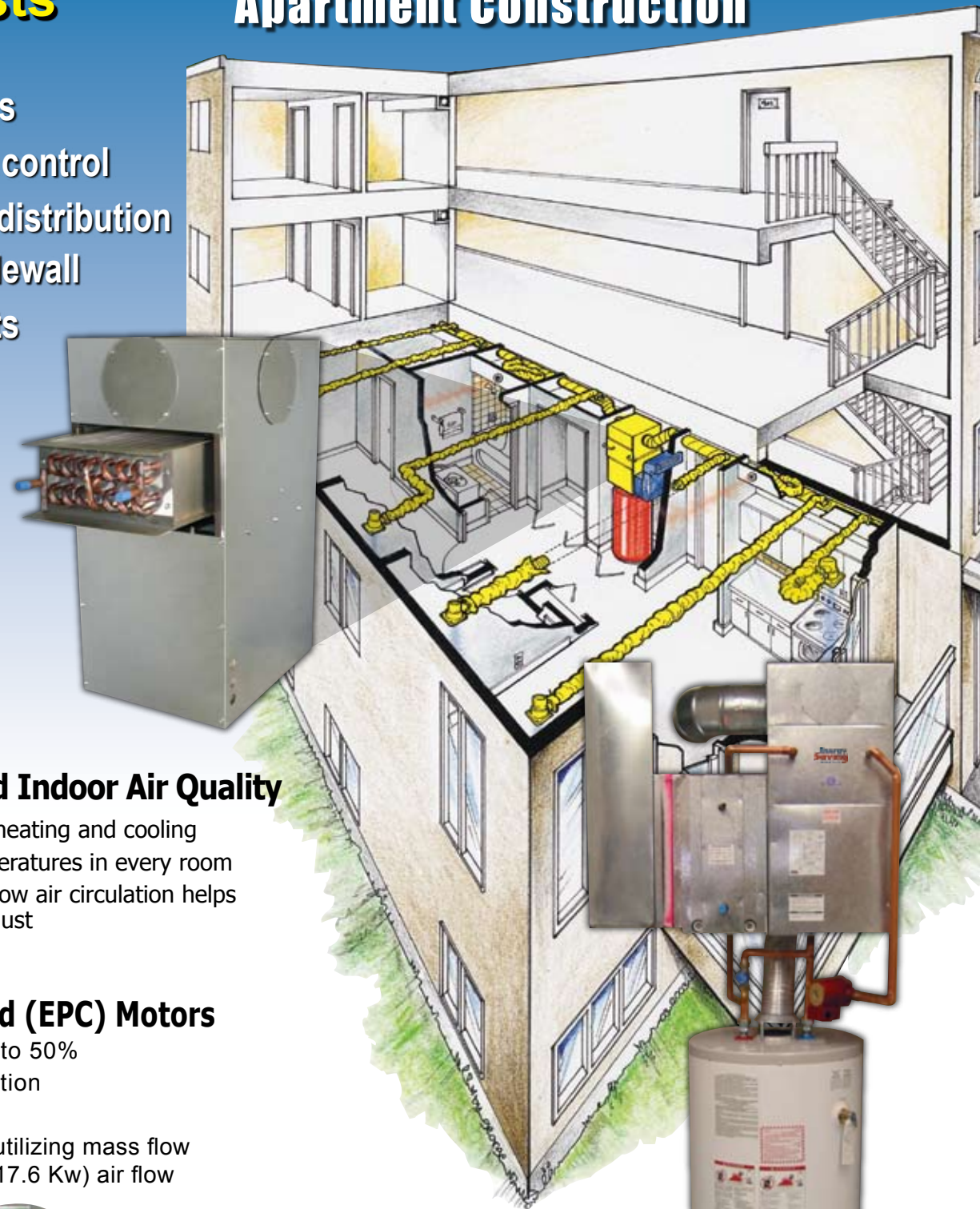
## Townhouse Construction



## 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

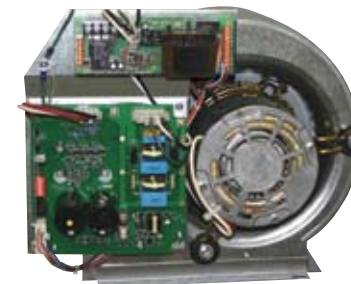
- Humidifiers
- Hi-Efficiency filters
- HRV/ERV's

## 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

