

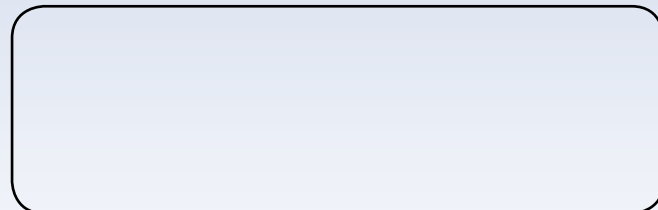
# Re-Defining the Hi-Velocity System



# The Optimum Multi-Family Heating & Cooling Solution

Model	HV-51		HV-52	HV - 71		HV - 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	56,200	59,610	58,636	79,700	81,935	113,400	123,685
BTUH @ 180° E.W.T	52,300	54,646	54,042	73,800	75,144	105,000	113,444
BTUH @ 170° E.W.T	48,500	49,716	49,455	67,500	68,387	95,500	103,238
BTUH @ 160° E.W.T	44,400	44,786	44,877	62,900	61,596	86,300	92,998
BTUH @ 150° E.W.T	41,500	39,856	40,309	55,000	54,839	77,000	82,792
BTUH @ 140° E.W.T	37,500	34,789	35,753	49,500	47,980	68,700	72,382
BTUH @ 130° E.W.T	32,700	29,757	31,210	44,500	41,086	59,300	61,971
BTUH @ 120° E.W.T	29,500	24,895	26,682	38,000	34,398	49,600	51,902
BTUH @ 110° E.W.T	23,200	20,136	22,171	30,000	27,811	37,200	42,003
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	500	500	500	750	750	1100	1100
<b>Chilled Water Cooling</b>							
Coil Type	6 Row/10 FPI		6 Row/10 FPI		6 Row/10 FPI		
(WCM Modules in cooling Mode)	19,300		27,000		42,100		
BTUH @ 48°F E.W.T.	20,900		29,400		45,800		
BTUH @ 46°F E.W.T.	22,600		31,800		49,500		
BTUH @ 44°F E.W.T.	24,200		34,000		53,200		
BTUH @ 42°F E.W.T.	25,800		36,400		56,800		
(WCM Modules in Heating Mode)	39,700		59,700		89,700		
BTUH @ 150° E.W.T	34,700		51,800		78,400		
BTUH @ 140° E.W.T	29,700		44,700		67,100		
BTUH @ 130° E.W.T	24,800		37,400		56,200		
BTUH @ 120° 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 Modules)	1.5 - 2.0		2.5 - 3.0		3.5 - 5.0		
1. BTUH Refrigerant TX Cooling (tons)	1.5 - 2.0		2.5 - 3.0		3.5 - 5.0		
<b>Electrical Heating</b>							
Kilowatt Range	5 - 15 Kw		N/A	5 - 18 Kw		5 - 23 Kw	
C.F.M. @ 1.2" E.S.P.	550		550	750		1100	
Horse Power	1/4		1/4	1/3		1/2	
R.P.M.	1625		1625	1625		1625	
AMPS @ 115/1/60	4.5		4.5	5.0		7.5	
Slo-Blo Fuse (AMPS)	2		2	2		2	
Supply Air Size	8" round		2 x 6" or 1 x 8"	8" round		10" round	
Supply Maximum Length	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> )	
2. Minimum Outlets	12		8	20		28	
Maximum Outlets	24		19	32		52	

- Smaller condensers may be matched to the fancoil when needed (match TXV to condenser size).
- Minimum number of full outlets per ton of cooling needed. (8 Outlets Per Ton)



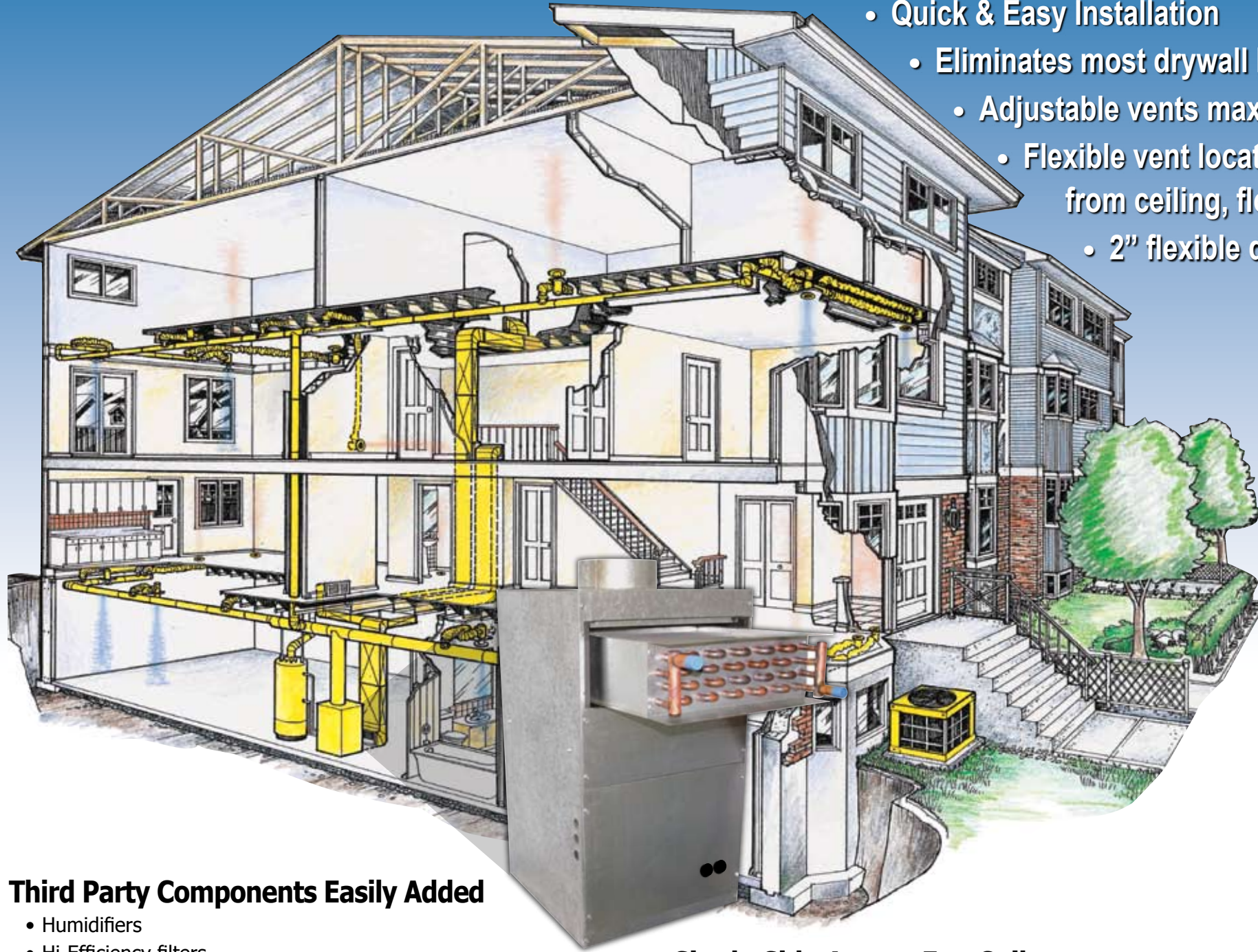
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**Builders Series Fan Coils**

# 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" 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 and ventilation so no additional controls are needed
- Installs, Vertically, Horizontally, Counter-Flow

## 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

Manufactured by

**Energy Saving**  
PRODUCTS LTD