

Lo-Velocity Systems

LV Fan Coil Features & Benefits

Versatility - The Lo-Velocity fan coil can be used with a boiler, dual purpose hot water heater, or heat pump for utilizing conventional duct systems. Cooling can be done with a chilled water or refrigerant coil.

Superior Fan Assembly - When used in new construction or retrofit installations with conventional duct systems, the higher static pressure provides for better air flow on long duct runs.

Compact - Attractive powder coated cabinets can be located in the Highboy, Horizontal or Counter flow position and use considerably less space than the conventional style furnace.

Factory Pre-Wired - Printed Circuit Board is heating and cooling ready. Pre-wiring reduces field labour and eliminates field control problems.

Low Maintenance Cost - Quality components are selected for "off the shelf" replacement reducing operating and maintenance cost. Our single side access design reduces time in the field for replacements.

Quality Assured - All units are CSA and CE approved, with all water heating coils Warnock Hersey accepted for potable water service.



Manufactured by
Energy Saving
PRODUCTS LTD

ESP - 146.05



LV Fan Coil Specifications

Matching Coils

Refrigerant Coils

RPM-E 50, 70, 100

Chilled Water Coils

WCM 50, 70
WM 100

Hot Water Coils

4 Row 50, 70, 100

Model	LV-50	LV - 70	LV - 120	LV - 140
Hot Water Heating				
Coil Type	4 row/10 FPI	4 row/10 FPI	4 row/10 FPI	4 row/10 FPI
BTUH @ 190°F E.W.T	64,900	84,900	126,600	147,500
BTUH @ 180°F E.W.T	59,500	77,900	116,200	135,400
BTUH @ 170°F E.W.T	54,300	71,000	105,900	123,400
BTUH @ 160°F E.W.T	49,000	64,000	95,600	111,400
BTUH @ 150°F E.W.T	43,700	57,100	85,300	99,400
BTUH @ 140°F E.W.T	38,500	50,200	75,100	87,400
BTUH @ 130°F E.W.T	33,200	43,400	64,900	75,500
GPM Flow ratings	5	7	10	10
Pressure Drop FT. H ₂ O	9	3	6.5	6.5
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 @ 44°F E.W.T.	22,547	34,486	50,968	56,100
BTUH @ 42°F E.W.T.	24,149	37,046	54,761	60,237
GPM Flow ratings	5	6	10	10
Pressure Drop FT. H ₂ O	3	6.5	6.8	6.8
(WCM Modules in Heating Mode)				
BTUH @ 110°F E.W.T.	26,300	35,100	52,800	63,300
BTUH @ 120°F E.W.T.	32,000	42,700	64,200	77,000
GPM Flow ratings	5	7	10	10
Pressure Drop FT. H ₂ O	3	6.5	6.8	6.8
Refrigerant Cooling				
(RPM-E Modules)				
BTUH Refrigerant TX Cooling (tons)	1.5 - 2.0	2.5 - 3.0	3.5 - 4.0	4.0 - 5.0
C.F.M. @ 0.5" E.S.P.	750	1000	1500	2000
Horse Power	1/3	1/3	1/3	1/2
R.P.M.	1075	1075	1075	1625
AMPS @ 115/1/60	4.2	4.2	4.2	7.5
Slo-Blo Fuse AMP's	2	2	2	2
Supply Air Size	10" x 16"	15" x 16"	21" X 16"	21" x 16"
Shipping Weight	70 lbs	95 lbs	115 lbs	115 lbs
Fan Coil Size	Length Width Height	32" 14" 18"	32" 19" 18"	32" 25" 18"

Note:

All ratings based on:

- 65°F entering air temperature
- 80°F/67°F entering air temperature for cooling
- Ratings based on water ONLY and will be reduced with glycol

All dimensions may vary +/- by up to 0.5 of an inch.

Smaller condensers may be matched to the fan coil when needed, TXV to be matched with condenser size.

Models LV-50 and LV-70 are factory wired for medium motor operating speed.