

Matching Coils
 Refrigerant Coils
 RPM-E-50, 70
 Chilled Water Coils
 WCM-50, 70, WM-100
 Hot Water Coils
 HWC-50, 70, 100
 Electrical Coils
 ESH-650 (5-15 kW)
 ESH-750 (5-18 kW)
 ESH-1100 (10-23 kW)

LV Series Specifications

Low Velocity Fan Coil w/ PSC Motor



	LV-50	LV-70	LV-120	LV-140	
Hot Water Heating⁽¹⁾	2 Ton Airflow (7.0 kW)	3 Ton Airflow (10.6 kW)	4 Ton Airflow (14.1 kW)	5 Ton Airflow (17.6 kW)	
Coil Type	6 row/10 FPI	6 row/10 FPI	6 row/10 FPI	6 row/10 FPI	
Max. BTUH @ 190°F E.W.T. (kW @ 88°C)	74,300 (21.8 kW)	98,900 (29.0 kW)	148,700 (43.6 kW)	177,000 (51.9 kW)	
Max. BTUH @ 180°F E.W.T. (kW @ 82°C)	68,000 (19.9 kW)	90,500 (26.1 kW)	136,100 (39.9 kW)	162,000 (47.5 kW)	
Max. BTUH @ 170°F E.W.T. (kW @ 77°C)	61,600 (18.0 kW)	82,100 (24.0 kW)	123,500 (36.2 kW)	147,000 (43.1 kW)	
Max. BTUH @ 160°F E.W.T. (kW @ 71°C)	55,400 (16.2 kW)	73,800 (21.6 kW)	110,900 (32.5 kW)	132,000 (38.7 kW)	
Max. BTUH @ 150°F E.W.T. (kW @ 66°C)	49,100 (14.4 kW)	65,400 (19.2 kW)	98,400 (28.8 kW)	117,000 (34.3 kW)	
Max. BTUH @ 140°F E.W.T. (kW @ 60°C)	42,800 (12.5 kW)	57,100 (16.7 kW)	85,900 (25.2 kW)	102,100 (30.0 kW)	
Max. BTUH @ 130°F E.W.T. (kW @ 54°C)	36,600 (10.7 kW)	48,800 (14.3 kW)	76,400 (22.4 kW)	87,300 (25.6 kW)	
GPM Flow Ratings (L/s Flow Ratings)	5 (0.32 L/s)	6 (0.38 L/s)	10 (0.63 L/s)	10 (0.63 L/s)	
Pressure Drop in Ft. H ₂ O (Drop in KPa)	3 (8.97 KPa)	5 (14.94 KPa)	7 (20.92 KPa)	7 (20.92 KPa)	
Chilled Water Cooling⁽¹⁾	WCM-50	WCM-70	WCM-100	WCM-100	
Coil Type	6 row/10 FPI	6 row/10 FPI	6 row/10 FPI	6 row/10 FPI	
WCM Modules in Cooling Mode					
Max. BTUH @ 44°F E.W.T. (kW @ 6.7°C)	22,547 (6.6 kW)	34,486 (10.1 kW)	50,968 (14.9 kW)	56,100 (16.4 kW)	
Max. BTUH @ 42°F E.W.T. (kW @ 5.6°C)	24,149 (7.1 kW)	37,046 (10.9 kW)	54,761 (16.0 kW)	60,237 (17.7 kW)	
GPM Flow Ratings (L/s Flow Ratings)	5 (0.32 L/s)	6 (0.38 L/s)	10 (0.63 L/s)	10 (0.63 L/s)	
Pressure Drop in Ft. H ₂ O (Drop in KPa)	3 (8.97 KPa)	5 (14.94 KPa)	7 (20.92 KPa)	7 (20.92 KPa)	
WCM Modules in Heating Mode					
Max. BTUH @ 110°F E.W.T. (kW @ 43°C)	23,400 (6.9 kW)	31,200 (9.1 kW)	46,900 (13.7 kW)	56,200 (16.5 kW)	
Max. BTUH @ 120°F E.W.T. (kW @ 49°C)	29,000 (8.5 kW)	38,800 (11.4 kW)	58,300 (17.1 kW)	70,000 (20.5 kW)	
GPM Flow Ratings (L/s Flow Ratings)	5 (0.32 L/s)	6 (0.38 L/s)	10 (0.63 L/s)	10 (0.63 L/s)	
Pressure Drop in Ft. H ₂ O (Drop in KPa)	3 (8.97 KPa)	5 (14.94 KPa)	7 (20.92 KPa)	7 (20.92 KPa)	
Refrigerant Cooling⁽¹⁾	RPM-E/RCM-50	RPM-E/RCM-70	N/A	N/A	
RPM-E/RCM Modules BTUH Refrigerant TX Cooling	1.5-2.0 Tons (5.3-7.0 kWh)	2.5-3.0 Tons (8.8-10.6 kWh)	-	-	
Electrical Heating	HV-650 ESH	HV-750 ESH	HV-1100 ESH	HV-1100 ESH	
Kilowatt Range	5 - 15 kW	5 - 18 kW	10 - 23 kW	10 - 23 kW	
Fan Coil Specifications	LV-50	LV - 70	LV - 120	LV - 140	
Max Rated CFM @ 1" E.S.P. (L/s @ 249 Pa)	750 (354 L/s)	1000 (472 L/s)	1500 (708 L/s)	2000 (944 L/s)	
Voltage	115/1/50/60 F.L.A. 8 amp	115/1/50/60 F.L.A. 8 amp	115/1/50/60 F.L.A. 8 amp	115/1/50/60 F.L.A. 8 amp	
Nominal Operating Amperage	4.2	4.2	4.2	7.5	
Integral Surge and Fuse System	Yes	Yes	Yes	Yes	
Horse Power	1/3	1/3	1/3	1/2	
Motor RPM	1075	1075	1075	1625	
Slo-Blo Fuse AMPs	2	2	2	2	
Supply Air Size	10" x 16" (254mm x 406mm)	15" x 16" (381mm x 406mm)	21" X 16" (533mm x 406mm)	21" x 16" (533mm x 406mm)	
Return Size Needed	140 in ² (0.09m ²)	170 in ² (0.10m ²)	220 in ² (0.14m ²)	220 in ² (0.14m ²)	
Shipping Weight (no coil)	53 lbs (24 Kg)	74 lbs (34 Kg)	87 lbs (39 Kg)	87 lbs (39 Kg)	
Fan Coil Size	Length	32 5/16" (821mm)	32 5/16" (821mm)	32 5/16" (821mm)	32 5/16" (821mm)
	Width	14 1/2" (368mm)	19 1/2" (495mm)	25 1/2" (648mm)	25 1/2" (648mm)
	Height	18 1/4" (464mm)	18 1/4" (464mm)	18 1/4" (464mm)	18 1/4" (464mm)

⁽¹⁾ Heating specs are rated at 65°F E.A.T., Cooling specs are rated at 80/67°F dB/wB

- 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.

BTUH - British Thermal Units per Hour
 E.W.T. - Entering Water Temperature
 GPM - US Gallons per Minute
 L/s - Litres per Second
 CFM - Cubic Feet per Minute

F.L.A. - Full-Load Amperage
 RPM - Revolutions per Minute
 E.S.P. - External Static Pressure
 E.A.T. - Entering Air Temperature
 dB/wB - Dry Bulb/Wet Bulb