



High Efficiency Heating, Cooling and Indoor Air Quality Systems

# RBM Series

Refrigerant Base Module



**Modular Cooling Coil Design matches and attaches easily to any Hi-Velocity Air Handler in any orientation**

3 Sizes - 1.5 to 5 Tons

## Multi-Positional

The RBM Cooling Coil can be installed vertically or horizontally, allowing for many different installation orientations and multi-directional airflow

## Time Saving

Heat Pump Ready & Adjustable TX Valve comes pre-installed, saving time in the field.

Coil assembly comes complete with TXV, Freeze Stat, Service/Access Ports & T-Mounting Brackets

## Space Saving

Stackable air handler and cooling coil will reduce system footprint in mechanical room



*The Modern Solution for all of your Heating, Cooling and Zoning Needs*

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



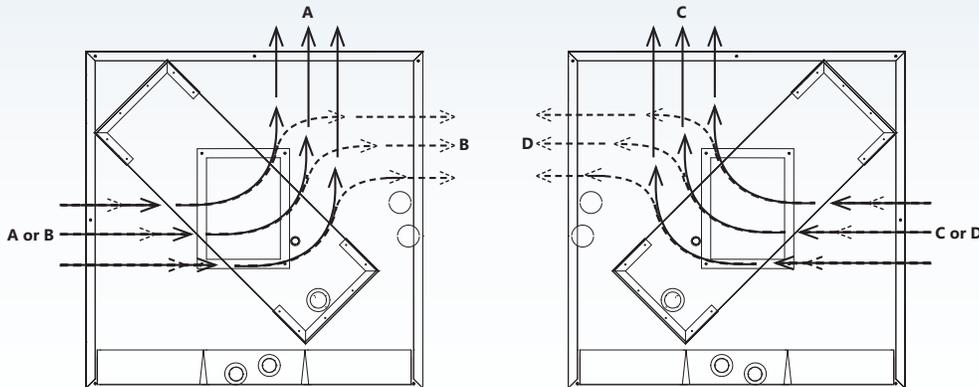
High Efficiency Heating, Cooling and Indoor Air Quality Systems

# RBM Series

## Refrigerant Base Module



### Multiple Airflow Configurations



Specifications		RBM-50	RBM-70	RBM-100
Part Number		41090300050	41090300070	41090300100
Matching Air Handler		HE-Z/HE-B/HE/HV-50/51 CU-51 LV-Z/LV-B-750/751 LV-50	HE-Z/HE-B/HE/HV-70/71 LV-Z/LV-B-1050/1051 LV-70	HE-Z/HE-P/HE-B/HE/ HV-100/101 HE-P-240/241 (x2 Coils)
Tons <sup>(1)</sup>		1.5 - 2.0 (5.3 - 7.0 kW)	2.5 - 3.0 (8.8 - 10.6 kW)	3.5 - 5.0 (12.3 - 17.6 kW)
Refrigerant Type		R-410A	R-410A	R-410A
TX Cooling MBH <sup>(2)</sup>		18-24 (5.3-7.0 kW)	30-36 (8.8-10.6 kW)	42-60 (12.3-17.6 kW)
Latent Cooling MBH		6.8-8.9 (2.0-2.6 kW)	11.7-13.7 (3.4-4.0 kW)	16.0-22.2 (4.7-6.5 kW)
Fin Material		Aluminum	Aluminum	Aluminum
Tubing Material		Copper	Copper	Copper
Type of Fins		.006 Al (0.1524mm)	.006 Al (0.1524mm)	.006 Al (0.1524mm)
Connection Sizes	Liquid Line (Lq)	3/8" (9.5mm)	3/8" (9.5mm)	3/8" (9.5mm)
	Suction Line (S)	7/8" (22.3mm)	7/8" (22.3mm)	7/8" (22.3mm)
	Drain Connection	3/4" M CPVC (19mm)	3/4" M CPVC (19mm)	3/4" M CPVC (19mm)
TXV with Built in Check Valve & Bypass		Pre-Installed	Pre-Installed	Pre-Installed
Freeze Stat		Yes	Yes	Yes
Access Port(s)		Yes	Yes	Yes
Shipping Weight		35 lbs (15.9 kg)	45 lbs (20.4 kg)	55 lbs (24.9 kg)
Coil Module Dimensions (L x W x H)		14 1/2" x 18 1/4" x 18 1/4" (368mm x 464mm x 464mm)	19 1/2" x 18 1/4" x 18 1/4" (495mm x 464mm x 464mm)	25 1/2" x 18 1/4" x 18 1/4" (648mm x 464mm x 464mm)

(1) Minimum of **eight 2" outlets** per ton of cooling needed. (HE Duct = Minimum **four outlets** per ton)  
 (2) Smaller condensers may be matched to the fan coil when needed (match TXV to condenser size)

MBH - Thousand British Thermal Units per Hour  
 TX - Thermal Expansion  
 TXV - Thermal Expansion Valve

[www.hi-velocity.com](http://www.hi-velocity.com)  
**1-888-652-2219**