



High Efficiency Heating, Cooling and Indoor Air Quality Systems

RBM Series

Refrigerant Base Cooling Module

Manufactured by
Energy Saving
PRODUCTS LTD



3 Sizes - 1.5 to 5 Tons

**Now available complete with
RDS Kit for A2L (R454b & R32)
Refrigerant Applications**

Multi-Positional

The RBM Cooling Coil can be installed vertically or horizontally on any Hi-Velocity Air Handler, 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. RBM-A2L comes with A2L refrigerant sensor (pre-installed) and RDS Kit.

Space Saving

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

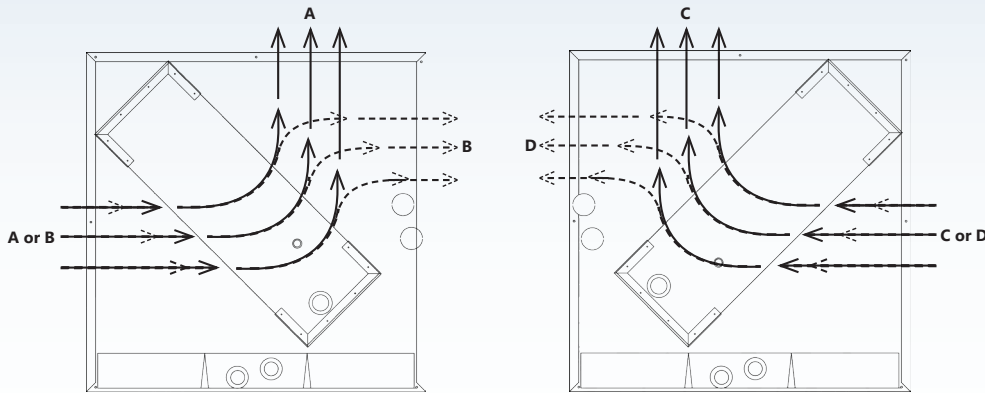


The Modern Solution for all of your Heating, Cooling and Zoning Needs

www.hi-velocity.com

RBM Series Refrigerant Base Cooling Module

Multiple Airflow Configurations



| Specifications | | RBM-50 | RBM-70 | RBM-100 |
|--|------------------|--|--|---|
| Part Name/Part Number (for R454b/R32) | | RBM-50-A2L P/N 41090304050 | RBM-70-A2L P/N 41090304070 | RBM-100-A2L P/N 41090304100 |
| Part Name/Part Number (for R410a) | | RBM-50-R410A P/N 41090300050 | RBM-70-R410A P/N 41090300070 | RBM-100-R410A P/N 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 ⁽¹⁾ | | 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 | | R454b, R32, R-410A | R454b, R32, R-410A | R454b, R32, R-410A |
| TX Cooling MBH ⁽²⁾ | | 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 air handler when needed (match TXV to condenser size)

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