

Horizontal & Vertical Belt Drive Series



VBY



HBC

600 to 4000 CFM

These compact blower coils are ideally suited for a variety of ducted applications that require a nominal CFM range of 600 to 4000 (actual CFM of 300 to 5100) and total static pressures of 2-1/2" plus w.g.

Units can be floor or ceiling suspended and are available with a variety of options to meet many design requirements.

The perfect cost effective solution for meeting rooms in hotels, motels, schools, churches, apartment complexes, universities or any application with large common areas.

FEATURES & BENEFITS

- Factory packaged and assembled units with optional factory installed electric heater and 24 volt controls reduce the field labor required to install these units and provide a single point of responsibility.
- Corner knockouts for hanger rods and isolators facilitate quick and easy installation of horizontal units.
- Motor control package options eliminate the need for a separate field installed motor starter.
- Valve packages with pre-piped assembly shipped loose from the factory help with better job site coordination and ease of installation.
- A wide variety of options for coils (rows and material), filters (thickness, type and efficiency), insulation (four different options), motors, drives, and mixing boxes, provide the flexibility required to meet specifications.
- Isolated blower assembly operates more quietly.
- Large tool free access panels (horizontal units) on both sides offer ease of maintenance and service.
- Easily removable double sloped stainless steel drain pans are easy to clean and offer better IAQ performance. All models include primary and secondary drain connections to provide redundancy if the main drain is plugged.
- Filter access is tool free and easily accessible from multiple sides for ease of maintenance.
- Environmentally and ozone friendly R-410A DX option is available.

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NOMINAL CAPACITY*

Unit Size	Nominal CFM	Cooling		Heating	
		Rows	Total Capacity Range MBH**	Rows	Heating Capacity Range MBH***
06	600	4, 6, 8	17.9 - 26.7	1, 2	23.1 - 38.3
08	800	4, 6, 8	21.9 - 33.7	1, 2	27.8 - 47.0
10	1000	4, 6, 8	31.6 - 46.4	1, 2	37.5 - 62.7
12	1200	4, 6, 8	35.5 - 53.3	1, 2	41.6 - 70.6
16	1600	4, 6, 8	46.4 - 71.3	1, 2	46.4 - 89.9
20	2000	4, 6, 8	59.0 - 89.9	1, 2	62.7 - 110.9
30	3000	4, 6, 8	87.6 - 135.0	1, 2	91.6 - 162.2
40	4000	4, 6, 8	123.6 - 185.6	1, 2	124.8 - 182.6

NOTES: * For detailed capacities please visit our website at www.iec-okc.com or contact your local representative

** Ratings based on 80° DB and 67° WB EAT, 45° EWT with 10° water temperature rise

*** Ratings based on 160° EWT and 60° EAT

1. Electric heat available from 1 KW to 40 KW
2. Steam coils available

PHYSICAL DATA

Unit Size	HBC Dimensions - Inches (Millimeters)			VBY Dimensions - Inches (Millimeters)		
	Depth	Width	Height	Depth	Width	Height
06	36-3/16" (919)	28-1/16" (713)	18-1/2" (470)	20" (508)	28-1/16" (713)	36-1/2" (927)
08	36-3/16" (919)	28-1/16" (713)	18-1/2" (470)	20" (508)	28-1/16" (713)	36-1/2" (927)
10	37-3/4" (959)	37-1/16" (941)	20-1/4" (514)	22" (559)	37-1/16" (941)	39-3/8" (1000)
12	37-3/4" (959)	37-1/16" (941)	20-1/4" (514)	22" (559)	37-1/16" (941)	39-3/8" (1000)
16	37-15/16" (964)	47-1/16" (1195)	20-1/4" (514)	22" (559)	47-1/16" (1195)	39-3/8" (1000)
20	40-3/8" (1026)	48-1/16" (1221)	22-3/4" (578)	24" (610)	48-1/16" (1221)	45-1/8" (1146)
30	40-3/8" (1026)	48-1/16" (1221)	31" (787)	28" (711)	48-1/16" (1221)	54-3/16" (1376)
40	43-9/16" (1106)	62-1/16" (1576)	31" (787)	28" (711)	62-1/16" (1576)	57-5/8" (1464)

NOTES: 1. All Dimensions are +/- 1/4" (6)

2. Dimensions are for units without electric heat



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IEC is dedicated to the environment and for its part, IEC has elected to use recycled materials whenever possible for printed sales materials.

Contact your local IEC Sales Representative for further details and pricing applicable to this product feature.



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NYSE symbol LXU; www.lsb-okc.com

P.O. Box 2598
 Oklahoma City, OK 73101-2598
 p: 405.605.5000
 f: 405.605.5001
www.iec-okc.com