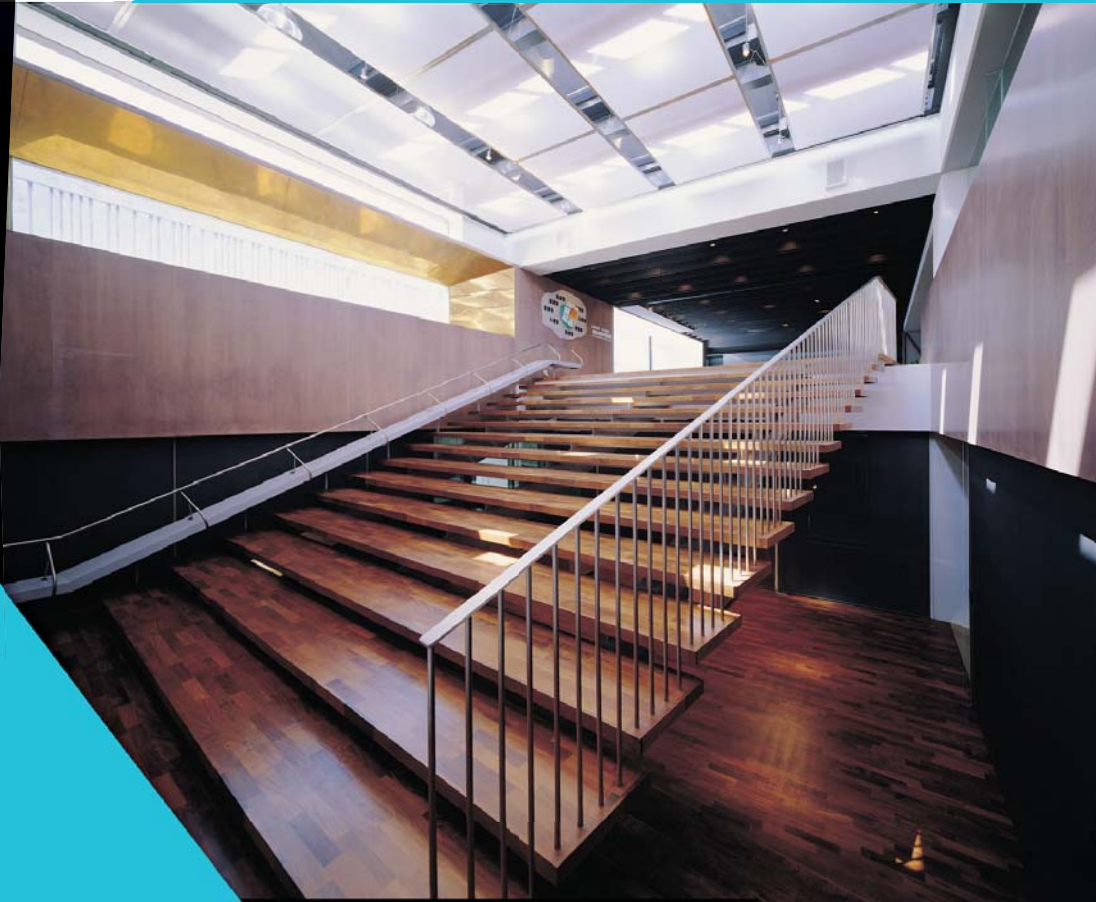




HDY DIRECT DRIVE BLOWER COIL

**Energy
Efficient
Easy
Installation
Extended
Service Life**



- Energy efficient compact blower coils
- Ideal for educational, hospitality, multi-family, or other commercial environments
- Designed for ducted applications
- Nominal CFM range of 600 to 3,000 CFM

Horizontal Direct Drive Blower Coils

FEATURES AND BENEFITS



Application Fit

- Horizontal configuration, with 8 different sizes to meet a multitude of room layouts and ventilation needs
- Wide variety of coil options including 100% outside air application
- Optional Mixing Box for ventilation applications
- Heating provided by a hot water coil or electric heat for varying application needs and climates
- User-friendly Ratings program expedites the project design and equipment selection

Design Flexibility

- Optional 1" double wall insulated construction, perforated or solid liner
- Removable double-sloped stainless steel drain pan for ease of cleaning and IAQ performance; primary and secondary drain connections
- Wide variety of coil sizes (4, 6, 8-rows) match the heating and cooling loads of the space; coils with different materials (copper fins with stainless steel end sheets and bottom coil baffles)
- Standard EC Motors ranging from 1/2 to 3 HP in a variety of voltages, in both single- and 3-phase
- A standard filter rack allows for 1", 2" or 4" of filtration up to MERV 13 with bottom or side access
- Variety of insulation materials to comply with IAQ concerns

Ease of Service

- Tool-free and easily accessible filters from both sides or bottom
- Large access panels on both sides
- Optional lighting available in cabinet and control box; provides a well lit space to perform service or routine maintenance

Quality and Safety

- Every unit tested and inspected at the factory for trouble-free startup
- Optional condensate float switch
- Motors have built-in thermal overload protection
- ETL and CETL listed

Horizontal Direct Drive Blower Coils

AIR DELIVERY

HDY Air Performance table

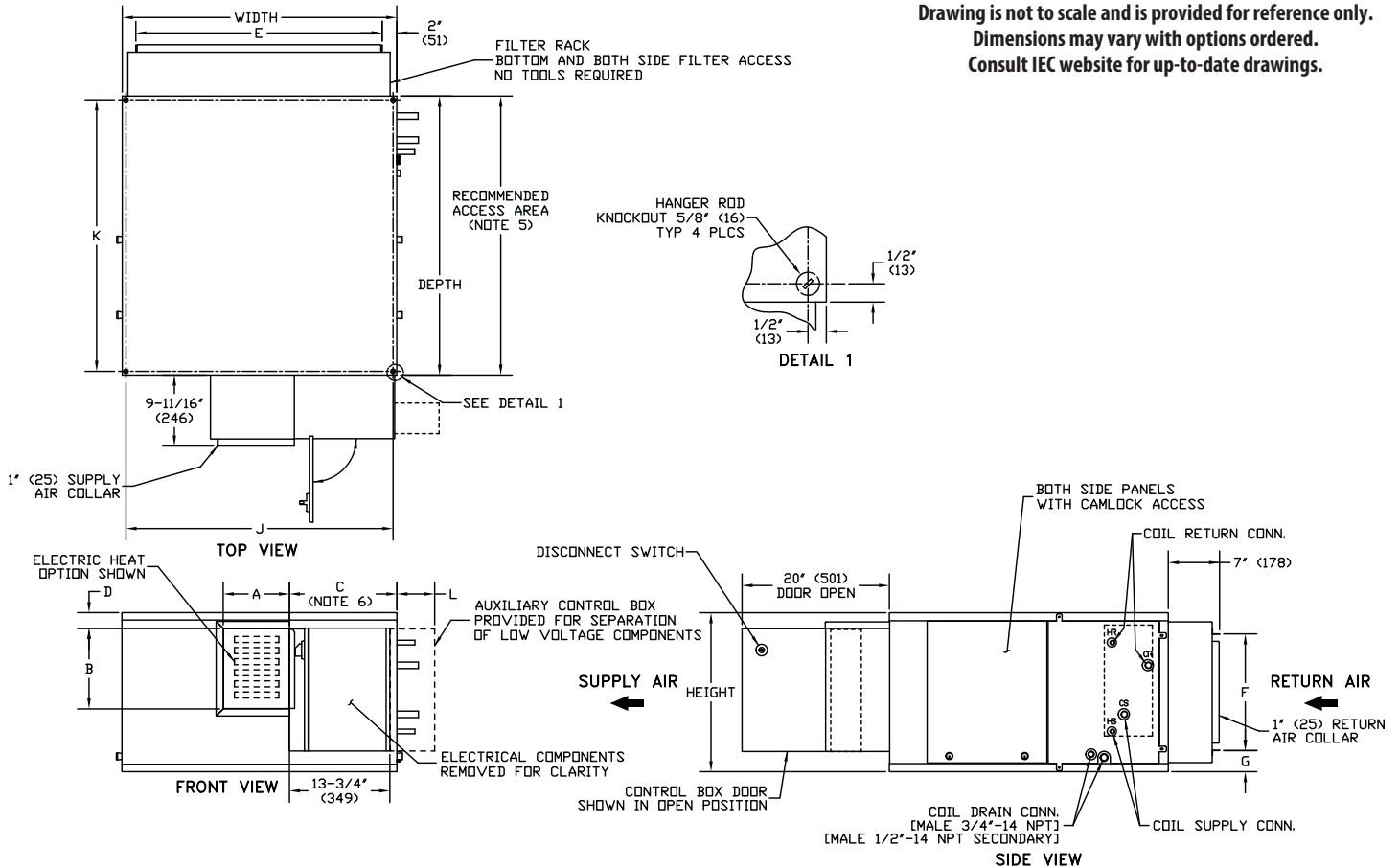
Unit Size	Airflow (CFM)	Total Static Pressure (TSP) Recommended	Total Capacity (BTU)	Sensible Capacity (BTU)
6	400	0.15	14032	10158
	500	0.40	16894	12386
	600	0.75	19486	14499
	700	1.15	21896	16531
	800	1.40	24189	18510
8	600	0.20	19486	14499
	700	1.00	21896	16531
	800	1.35	24189	18510
	900	1.80	26380	20441
	1100	2.25	30331	24128
10	700	0.75	24715	17457
	900	1.50	30259	21747
	1000	1.40	32748	23771
	1200	1.15	37654	27780
	1300	0.85	39921	29711
12	800	1.15	27578	19640
	1100	2.20	35248	25796
	1200	2.00	37654	27780
	1375	1.75	42053	31523
	1500	1.35	44362	33523
16	1000	0.75	31967	23604
	1250	1.50	38420	28813
	1600	2.25	46718	35796
	1750	2.00	50134	38730
	2000	1.35	55419	43449
20	1700	1.75	54906	40689
	1900	1.55	59635	44608
	2000	1.50	61945	46531
	2250	1.25	67382	51197
	2400	1.00	70530	53929
22	1800	1.80	57257	42640
	2100	2.10	64296	48470
	2200	2.25	67382	51197
	2300	2.20	69110	52624
	2400	2.15	70530	53929
30	2250	0.80	82101	60590
	2500	1.25	84341	62528
	3000	2.00	96406	72517
	3350	1.80	104089	79115
	3600	1.60	109378	83720

NOTES: 1. Ratings are based on 80°F (26.7°C) DB and 67°F (19.4°C) WB EAT, 45°F (7.2°C) EWT, 10°F Δ (5.6°C Δ) water temperature rise, 2" MERV 8 air filter and 4 row coil.

Horizontal Direct Drive Blower Coils

PHYSICAL DATA

Drawing is not to scale and is provided for reference only.
Dimensions may vary with options ordered.
Consult IEC website for up-to-date drawings.



Size	Fan Size	Depth	Width	Height	Supply Duct				Return Duct			Mounting Holes		Aux.Ctrl. Box
					A	B	C	D	E	F	G	J	K	
06	9 x 6	36 (914)	28 (711)	19-3/4 (502)	8-7/8 (225)	10-7/8 (276)	13-3/4 (349)	2-1/4 (57)	24-1/4 (616)	14 (356)	2-3/4 (70)	27-1/4 (686)	35-1/4 (895)	5-3/4 (146)
08	9 x 6	36 (914)	28 (711)	19-3/4 (502)	8-7/8 (225)	10-7/8 (276)	13-3/4 (349)	2-1/4 (57)	24-1/4 (616)	14 (356)	2-3/4 (70)	27-1/4 (686)	35-1/4 (895)	5-3/4 (146)
10	9 x 6	37-1/2 (953)	37 (940)	21-1/2 (546)	8-7/8 (225)	10-7/8 (276)	14-1/2 (368)	2-1/4 (57)	33-1/4 (845)	15-3/4 (401)	2-7/8 (73)	36-1/4 (921)	37 (940)	5 (124)
12	9 x 6	37-1/2 (953)	37 (940)	21-1/2 (546)	8-7/8 (225)	10-7/8 (276)	14-1/2 (368)	2-1/4 (57)	33-1/4 (845)	15-3/4 (401)	2-7/8 (73)	36-1/4 (921)	37 (940)	5 (124)
16	10 x 7	37-3/4 (959)	47 (1194)	21-1/2 (546)	10-3/8 (264)	12 (305)	18-3/8 (467)	2-1/4 (57)	43-7/8 (1115)	15-3/4 (401)	2-7/8 (73)	46-1/4 (1175)	37 (940)	1-1/4 (32)
20/22	11 x 10	40-1/4 (1022)	48 (1219)	24 (610)	13-7/8 (352)	13 (330)	17-1/4 (438)	2-1/4 (57)	44-1/4 (1124)	18 (457)	2-7/8 (73)	47-1/4 (1200)	39-1/2 (1033)	2-3/8 (60)
30	12 x 12	40-1/4 (1022)	48 (1219)	32-1/4 (819)	16-1/4 (413)	14 (356)	16 (406)	7-1/8 (181)	44-1/4 (1124)	26-1/2 (673)	1-1/4 (32)	47-1/4 (1200)	39-1/2 (1033)	3-3/4 (95)

- NOTES:**
1. RH shown, LH opposite.
 2. All dimensions are +/- 1/4" (6 mm).
 3. Product specifications are subject to changes without notice.
 4. Dimensions in parenthesis are shown in (millimeters).
 5. Allow adequate spacing or maneuverability around unit to allow service through recommended access area.
 6. "C" dimension is measured from coil side of unit.
 7. Mixing Box option will vary return duct dimensions, refer to mixing box submittal.

Contact your local IEC Sales Representative for further details and pricing applicable to this product. Visit our website (iec-okc.com) to find your local IEC Sales Rep.

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