ActivAIR™
Engineered Comfort for Today's Buildings

Selection Criteria for Carrier ActivAIR™ Induction Beams

Carrier
United Technologies
turn to the experts

The Carrier ActivAIR™ induction beam system provides a cost-saving alternative to traditional commercial zoning systems for new construction or retrofit. It is suitable for use in a variety of single- to multi-floor facilities such as schools, office buildings, healthcare facilities and more.

The ActivAIR induction beam provides quiet operation and greater occupant comfort, with no moving parts to fail. ActivAIR Induction Beams assist in achieving Leadership in Energy and Environmental Design (LEED®)[1] credits under the Energy & Atmosphere and Indoor Environmental Quality categories.

- All units include full drain pans, allowing chilled water temperatures down to 42˚F to the beams.
- Using lower water temperatures increases beam cooling capacity by up to 60 percent, reduces the number of units required per zone, and lowers the installed cost of the system.
- For sensible cooling applications, a safety float switch on the drain pan prevents building damage if condensation occurs, and eliminates condensate piping costs.
- All beams fit into standard 2'x2' and 4'x4' lay-in ceiling tiles, and can be designed with 2-pipe or 4-pipe configuration.
- Unit performance tested by ETL®[2] Intertek®[2] in accordance with AHRI 410 and ASHRAE 70.

Model Number	Nozzle Code	Inlet Static Pressure: in.w.g.	Primary Airflow: CFM	NC Ratings	Throw: Ft @ 100 FPM	Airflow Ratings: CFM		Coil Cooling Capacity: BTUH		
						Induced Airflow	Total Supply Airflow	45˚F EWT 3 GPM	55˚F EWT 3 GPM	60˚F EWT 3 GPM
	Size: 24" x 24"/4" Round Inlet									
36IBACC 	A	0.4	60	NC18	8'	163	223	6279	3174	2095
	A	0.5	67	NC21	8'	182	249	6701	3405	2278
	A	0.6	75	NC24	10'	203	278	7125	3644	2471
	A	0.7	83	NC27	10'	225	308	7528	3883	2663
	A	0.8	90	NC29	12'	244	334	7847	4069	2821
	C	0.4	78	NC18	10'	175	253	6553	3319	2212
	C	0.5	88	NC21	10'	197	285	7008	3578	2417
	C	0.6	98	NC24	12'	220	318	7440	3829	2620
	C	0.7	106	NC27	12'	237	343	7732	4001	2763
	C	0.8	116	NC29	14'	260	376	8096	4219	2949
	E	0.4	90	NC18	12'	158	248	6159	3107	2045
	E	0.5	102	NC21	12'	180	282	6659	3382	2259
	E	0.6	112	NC24	12'	197	309	7008	3578	2417
	E	0.7	124	NC27	14'	218	342	7404	3808	2603
	E	0.8	135	NC29	16'	238	373	7749	4011	2771
	Size: 48" x 48"/8" Round Inlet									
36IBACD 	B	0.4	186	NC18	8'	316	502	12845	6,543	4142
	B	0.5	208	NC21	8'	354	562	13723	7,036	4519
	B	0.6	231	NC24	10'	393	624	14514	7,520	4886
	B	0.7	263	NC27	11'	447	710	15469	8,146	5364
	B	0.8	280	NC29	12'	476	756	15943	8,469	5608
	D	0.4	242	NC18	10'	411	653	14865	7743	5058
	D	0.5	270	NC21	11'	459	729	15754	8336	5508
	D	0.6	300	NC24	12'	510	810	16315	8733	5819
	D	0.7	342	NC27	14'	581	923	17139	9305	6268
	D	0.8	363	NC29	16'	617	980	17838	9861	6681
	F	0.4	279	NC18	11'	474	753	15911	8446	5591
	F	0.5	312	NC21	12'	530	842	16732	9019	6040
	F	0.6	346	NC24	14'	588	934	17510	9587	6474
	F	0.7	395	NC27	16'	672	1067	18496	10342	7057
	F	0.8	419	NC29	17'	712	1131	18891	10375	7316

Note: Selections based on 75FDB/55%RH return air and 2-row coils. Additional coil, nozzle, and inlet configurations are available to meet performance criteria specific to your application. Coil capacities above do not include the capacity of the primary air. For total unit capacity, and customized performance, utilize the Carrier electronic selection software.

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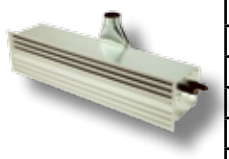
						Induced Airflow	Total Supply Airflow	45°F EWT 1.5 GPM	55°F EWT 1.5 GPM	60°F EWT 1.5 GPM
	Size: 48"x24"/6" Round Inlet									
36IBANB 	A	0.4	30	NC18	6'	90	120	3760	1886	1185
	A	0.5	32	NC18	6'	96	128	3931	1963	1247
	A	0.6	35	NC22	8'	105	140	4158	2084	1337
	A	0.7	37	NC22	8'	111	148	4298	2157	1395
	A	0.8	40	NC23	10'	120	160	4506	2266	1480
	B	0.4	59	NC24	10'	158	217	5237	2676	1809
	B	0.5	64	NC25	10'	171	235	5438	2799	1912
	B	0.6	69	NC26	11'	184	253	5640	2927	2011
	B	0.7	75	NC26	12'	200	275	5857	3073	2127
	B	0.8	81	NC26	12'	216	297	6056	3205	2238
	F	0.4	126	NC27	14'	214	340	6018	3189	2225
	F	0.5	140	NC29	15'	238	378	6299	3390	2383
	F	0.6	152	NC32	16'	258	410	6501	3336	2507
	F	0.7	160	NC33	19'	272	432	6829	3612	2715
	F	0.8	179	NC35	20'	304	483	6913	3685	2770
	Size: 48"x12"/4" Round Inlet									
36IBANA 	A	0.4	26	NC18	6'	77	103	3379	1693	1045
	A	0.5	30	NC18	6'	89	119	3731	1872	1174
	A	0.6	33	NC22	8'	98	131	3982	1991	1267
	A	0.7	36	NC22	8'	107	143	4207	2109	1356
	A	0.8	39	NC23	10'	115	154	4374	2207	1433
	E	0.4	61	NC22	8'	161	222	5286	2706	1833
	E	0.5	68	NC22	8'	180	248	5578	2890	1981
	E	0.6	76	NC24	10'	201	277	5869	3082	2134
	E	0.7	83	NC25	10'	219	302	6091	3229	2258
	E	0.8	90	NC26	11'	238	328	6299	3390	2383
	Size: 24"x24"/4" Round Inlet									
36IBASC 	E	0.4	39	NC22	8'	61	100	1697	1164	839
	E	0.5	42	NC23	10'	65	107	1779	1191	891
	E	0.6	45	NC24	13'	70	115	1907	1267	946
	E	0.7	48	NC27	13'	75	123	2008	1339	1001
	E	0.8	51	NC28	14'	80	131	2105	1409	1054
	F	0.4	64	NC26	14'	102	166	2501	1702	1273
	F	0.5	70	NC27	15'	111	181	2652	1815	1357
	F	0.6	77	NC28	16'	120	197	2790	1926	1437
	F	0.7	84	NC30	16'	134	218	2997	2093	1557
	F	0.8	90	NC32	17'	140	230	3081	2162	1607

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1-800-CARRIER www.carrier.com

 Cat. No. 04-811-50030
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