



A CSW Industrials Company

PERFORMANCE DATA SHEET

TRUEAIR MODELS 270, 290, 1210RG and 4020RG

Fixed Bar Return Grille, 3/4" Blade Spacing, 15° Blade Pitch

Model Size (in)			Nominal Duct Area (ft2)	Core Area (ft2)	Core Velocity	200	300	400	500	600	700	800	900
					Ps	0.004	0.009	0.016	0.024	0.034	0.046	0.060	0.075
8x4			0.22	0.16	Airflow (CFM)	32	48	64	80	95	111	127	143
					NC	-	-	-	-	13	19	25	29
6x6			0.25	0.19	Airflow (CFM)	37	56	75	93	112	131	150	168
					NC	-	-	-	-	13	19	25	29
10x4			0.28	0.20	Airflow (CFM)	41	61	81	102	122	142	163	183
					NC	-	-	-	-	13	19	25	29
8x6	12x4		0.33	0.26	Airflow (CFM)	52	78	104	129	155	181	207	233
					NC	-	-	-	-	15	20	26	30
14x4			0.39	0.29	Airflow (CFM)	58	88	117	146	175	204	234	263
					NC	-	-	-	-	15	20	26	30
10x6			0.42	0.33	Airflow (CFM)	66	99	132	165	199	232	265	298
					NC	-	-	-	-	16	21	28	32
8x8			0.44	0.36	Airflow (CFM)	72	108	144	179	215	251	287	323
					NC	-	-	-	-	16	22	28	32
12x6			0.50	0.40	Airflow (CFM)	81	121	161	202	242	282	322	363
					NC	-	-	-	-	17	22	30	34
10x8			0.56	0.46	Airflow (CFM)	92	138	183	229	275	321	367	413
					NC	-	-	-	-	18	24	30	34
14x6			0.58	0.48	Airflow (CFM)	95	143	190	238	285	333	380	428
					NC	-	-	-	-	18	24	30	34
4x24	12x8	16x6	0.67	0.51	Airflow (CFM)	103	154	205	257	308	359	411	462
24x4					NC	-	-	-	-	18	24	30	34
10x10			0.69	0.59	Airflow (CFM)	117	176	234	293	352	410	469	528
					NC	-	-	-	10	19	25	31	35
18x6			0.75	0.62	Airflow (CFM)	124	186	248	310	372	433	495	557
					NC	-	-	-	10	19	25	32	35
14x8			0.78	0.66	Airflow (CFM)	132	197	263	329	395	461	527	592
					NC	-	-	-	10	19	25	32	35
12x10	20x6	30x4	0.83	0.71	Airflow (CFM)	143	214	286	357	428	500	571	642
					NC	-	-	-	11	19	25	30	35
14x10	16x8		0.97	0.84	Airflow (CFM)	168	252	337	421	505	589	673	757
					NC	-	-	-	11	19	25	30	35
12x12	18x8	24x6	1.00	0.87	Airflow (CFM)	174	261	348	435	522	608	695	782
36x4					NC	-	-	-	11	19	25	30	35



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26x6			1.08	0.91	Airflow (CFM)	181	272	363	454	544	635	726	817
					NC	-	-	-	12	20	26	31	35
16x10	20x8		1.11	0.97	Airflow (CFM)	194	291	388	484	581	678	775	872
					NC	-	-	-	12	20	26	32	35
12x14	14x12	28x6	1.17	1.02	Airflow (CFM)	205	307	410	512	615	717	820	922
					NC	-	-	-	12	20	26	32	35
17x10			1.18	1.03	Airflow (CFM)	207	310	413	516	620	723	826	930
					NC	-	-	-	12	20	26	32	35
10x18	18x10	30x6	1.25	1.10	Airflow (CFM)	219	329	439	548	658	768	877	987
					NC	-	-	-	12	20	26	32	35
16x12	24x8		1.33	1.18	Airflow (CFM)	236	354	472	590	708	826	944	1062
					NC	-	-	-	12	20	27	32	35
14x14			1.36	1.21	Airflow (CFM)	242	362	483	604	725	845	966	1087
					NC	-	-	-	12	20	27	32	35
10x20	20x10		1.39	1.22	Airflow (CFM)	245	367	490	612	735	857	979	1102
					NC	-	-	-	12	20	27	32	35
26x8			1.44	1.26	Airflow (CFM)	251	377	503	629	754	880	1006	1131
					NC	-	-	-	12	20	27	32	35
18x12	36x6		1.50	1.34	Airflow (CFM)	267	401	534	668	801	935	1068	1202
					NC	-	-	-	13	20	27	32	35
14x16	16x14	28x8	1.56	1.39	Airflow (CFM)	278	417	556	695	835	974	1113	1252
					NC	-	-	-	13	20	27	32	36
12x20	20x12	24x10	1.67	1.49	Airflow (CFM)	298	447	596	745	894	1043	1193	1342
30x8					NC	-	=	=	14	21	27	33	37
25x10			1.74	1.54	Airflow (CFM)	309	463	617	772	926	1080	1235	1389
					NC	-	-	-	14	21	27	33	37
18x14			1.75	1.57	Airflow (CFM)	315	472	630	787	944	1102	1259	1417
					NC	-	-	-	14	21	27	33	37
16x16			1.78	1.60	Airflow (CFM)	320	481	641	801	961	1121	1281	1442
					NC	-	-	-	14	21	27	33	37
26x10			1.81	1.61	Airflow (CFM)	321	482	643	804	964	1125	1286	1446
					NC	-	-	-	14	21	27	33	37
14x20	20x14	28x10	1.94	1.73	Airflow (CFM)	347	520	694	867	1041	1214	1388	1561
					NC	-	-	-	14	21	28	33	38
12x24	18x16	24x12	2.00	1.80	Airflow (CFM)	360	540	721	901	1081	1261	1441	1621
36x8					NC	-	-	-	14	21	28	33	38
25x12	26x12	30x10	2.08	1.88	Airflow (CFM)	376	564	752	940	1127	1315	1503	1691
					NC	-	-	-	14	21	28	33	38



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20x16			2.22	2.02	Airflow (CFM)	405	607	809	1012	1214	1417	1619	1821
					NC	-	-	-	14	21	28	33	38
18x18			2.25	2.05	Airflow (CFM)	410	615	821	1026	1231	1436	1641	1846
					NC	-	-	-	14	21	28	33	38
14x24	24x14		2.33	2.12	Airflow (CFM)	425	637	849	1062	1274	1486	1699	1911
					NC	-	-	-	14	22	28	33	38
25x14			2.43	2.22	Airflow (CFM)	443	665	886	1108	1329	1551	1772	1994
					NC	-	-	-	15	22	28	33	38
12x30	20x18	30x12	2.50	2.27	Airflow (CFM)	454	680	907	1134	1361	1587	1814	2041
36x10					NC	-	-	-	15	22	28	33	38
16x24	24x16		2.67	2.45	Airflow (CFM)	489	734	978	1223	1467	1712	1956	2201
					NC	-	-	-	15	22	29	34	39
28x14			2.72	2.49	Airflow (CFM)	498	747	996	1245	1494	1743	1992	2241
					NC	-	-	-	15	22	29	34	39
20x20	25x16		2.78	2.56	Airflow (CFM)	511	767	1023	1278	1534	1790	2045	2301
					NC	-	-	-	16	23	29	34	39
14x30	30x14		2.92	2.67	Airflow (CFM)	535	802	1069	1336	1604	1871	2138	2406
					NC	-	-	-	16	23	29	34	39
12x36	18x36	24x18	3.00	2.73	Airflow (CFM)	547	820	1094	1367	1640	1914	2187	2460
36x12					NC	-	-	-	16	23	29	34	39
28x16	32x14		3.11	2.87	Airflow (CFM)	573	860	1147	1434	1720	2007	2294	2581
					NC	-	-	-	16	23	29	34	39
16x30	20x24	24x20	3.33	3.08	Airflow (CFM)	616	924	1231	1539	1847	2155	2463	2771
30x16					NC	-	-	-	17	24	30	36	40
22x22			3.36	3.12	Airflow (CFM)	623	935	1247	1559	1870	2182	2494	2806
					NC	-	-	-	17	24	30	36	40
20x25	25x20		3.47	3.22	Airflow (CFM)	645	967	1289	1611	1934	2256	2578	2901
					NC	-	-	-	17	24	30	36	40
28x18	36x14		3.50	3.25	Airflow (CFM)	649	974	1298	1623	1947	2272	2596	2921
					NC	-	-	-	17	24	30	36	40
38x14			3.69	3.41	Airflow (CFM)	681	1022	1362	1703	2043	2384	2725	3065
					NC	-	-	-	17	24	30	36	40
18x30	30x18		3.75	3.48	Airflow (CFM)	697	1045	1394	1742	2090	2439	2787	3135
					NC	-	-	-	18	17	30	36	40
34x16			3.78	3.50	Airflow (CFM)	700	1050	1400	1750	2100	2450	2800	3150
					NC	-	-	-	18	17	30	36	40



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24x24	36x16	48x12	4.00	3.73	Airflow (CFM)	747	1120	1494	1867	2240	2614	2987	3360
					NC	-	-	-	18	25	37	38	41
20x30	30x20		4.17	3.89	Airflow (CFM)	778	1167	1556	1945	2333	2722	3111	3500
					NC	-	-	-	18	25	37	38	41
25x25			4.34	4.06	Airflow (CFM)	813	1219	1625	2031	2438	2844	3250	3656
					NC	-	-	-	18	25	31	38	41
40x16			4.44	4.13	Airflow (CFM)	827	1240	1653	2067	2480	2893	3306	3720
					NC	-	-	-	18	25	31	38	41
18x36	36x18		4.50	4.20	Airflow (CFM)	840	1260	1680	2100	2520	2940	3360	3780
					NC	-	-	-	18	25	31	38	41
30x22			4.58	4.29	Airflow (CFM)	859	1288	1718	2147	2577	3006	3436	3865
					NC	-	-	-	18	25	31	38	41
44x16			4.89	4.55	Airflow (CFM)	911	1366	1822	2277	2733	3188	3644	4099
					NC	-	-	-	18	25	31	38	41
20x36	24x30	30x24	5.00	4.69	Airflow (CFM)	938	1407	1875	2344	2813	3282	3751	4220
36x20					NC	-	-	-	18	25	31	38	41
30x26			5.42	5.11	Airflow (CFM)	1021	1532	2042	2553	3063	3574	4084	4595
					NC	-	-	-	18	25	32	38	41
36x22			5.50	5.18	Airflow (CFM)	1035	1553	2071	2589	3106	3624	4142	4660
					NC	-	-	-	18	25	32	38	41
20x40	25x32	32x25	5.56	5.22	Airflow (CFM)	1044	1566	2089	2611	3133	3655	4177	4699
40x20	50x16				NC	-	-	-	18	25	32	38	41
36x24			6.00	5.67	Airflow (CFM)	1133	1700	2266	2833	3400	3966	4533	5099
					NC	-	-	10	18	26	32	38	41
30x30			6.25	5.92	Airflow (CFM)	1183	1775	2366	2958	3550	4141	4733	5324
					NC	-	-	10	18	26	32	38	41
20x50	50x20		6.94	6.55	Airflow (CFM)	1311	1966	2622	3277	3932	4588	5243	5899
					NC	-	-	10	19	26	32	38	41
42x24			7.00	6.63	Airflow (CFM)	1326	1990	2653	3316	3979	4643	5306	5969
					NC	-	-	10	19	27	32	38	42
36x30	36x70		7.50	7.13	Airflow (CFM)	1426	2140	2853	3566	4279	4993	5706	6419
					NC	-	-	10	19	27	32	38	42
48x24			8.00	7.60	Airflow (CFM)	1520	2280	3039	3799	4559	5319	6079	6839
					NC	-	-	10	19	27	32	38	42
30x40			8.33	7.94	Airflow (CFM)	1589	2383	3177	3971	4766	5560	6354	7149
					NC	-	-	11	19	27	32	38	42
36x36			9.00	8.60	Airflow (CFM)	1720	2580	3439	4299	5159	6019	6879	7739
					NC	-	-	11	20	27	33	38	43