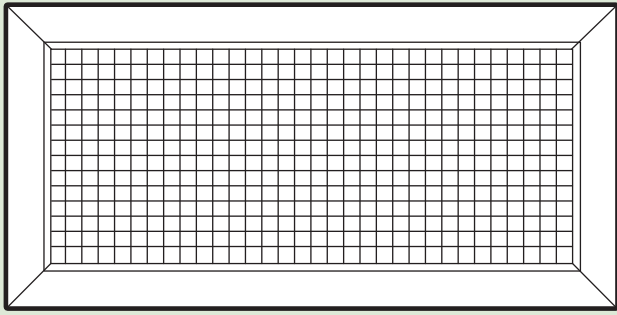
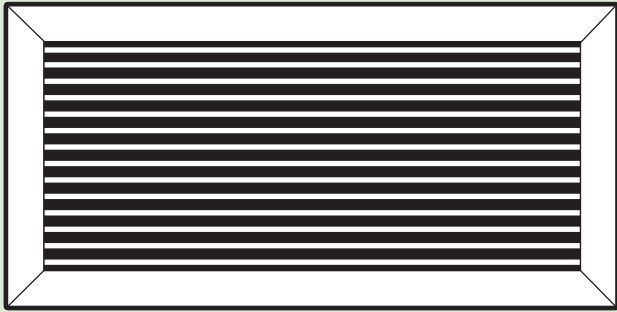


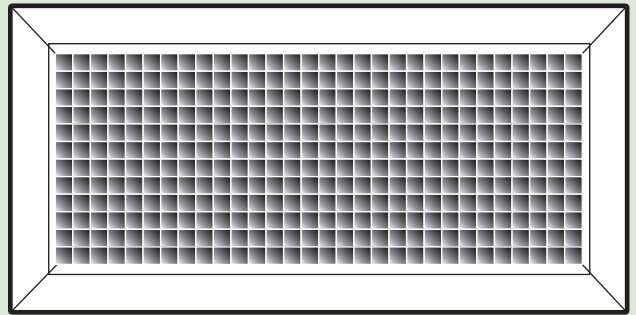
Exhaust and Return Grilles – EC, HI & RL



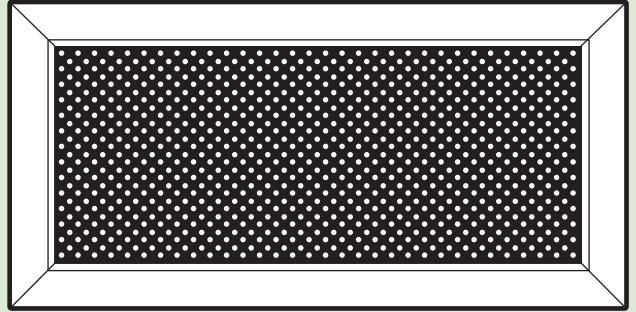
Model: EC-125



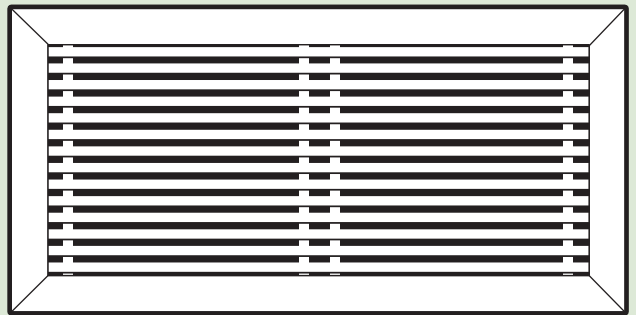
Model: RLL-25



Model: HI-35



Model: RLP



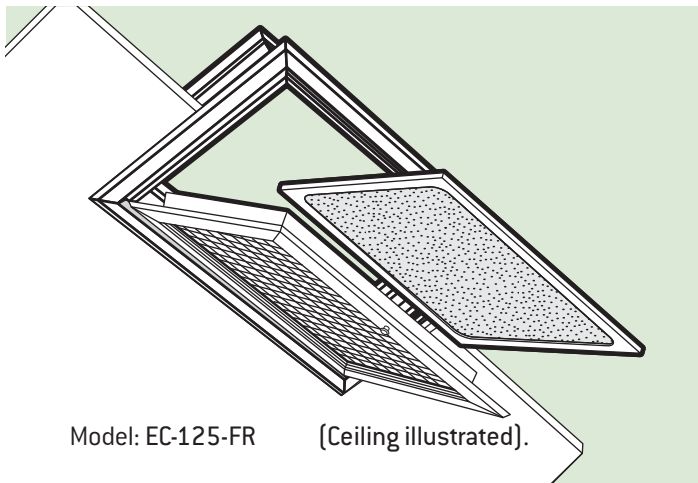
Model: RLHL

The Holyoake range of 'Egg Crate', 'Obscure Egg Crate', 'Louvered Return' and 'Perforated Face' grilles are available in various configurations with Removable Core, Opposed Blade Damper and Filter Return options, making them a versatile option for wall and ceiling applications.

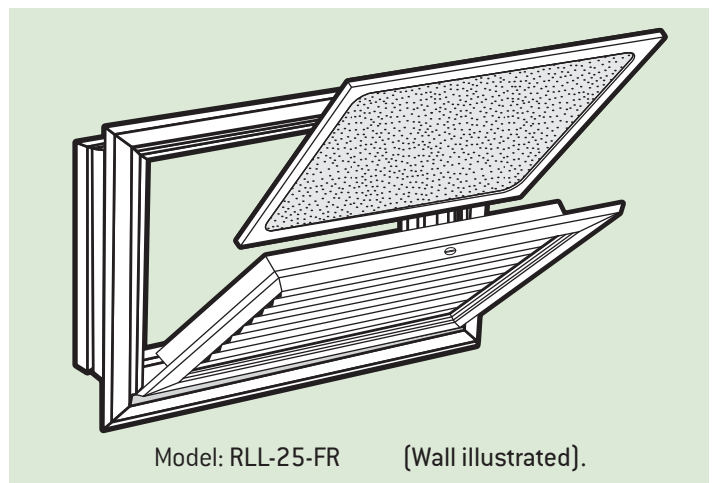
Long and short, curved and parallel blade versions compliment the range.

Guide Product Weights		
Approximate Weight in Kg.		
Size	EC125FR	MEC125-FR
300 x 300	1.30	-
400 x 400	1.75	-
550 x 550	2.50	-
595 x 595	-	2.70

Filter Return FR



Model: EC-125-FR (Ceiling illustrated).



Model: RLL-25-FR (Wall illustrated).

These units are of the same construction for both ceiling and wall application. Other models available as filter returns of similar construction are: RLS-25-FR; RLL-23-FR; RLS-23-FR; RLHL-FR; RLHS-FR. HI-35-FR; RLP-FR, RLWL-FR, RLWS-FR and AMG-FR.

Other Product Series may be available as Filter Returns, please contact your local Holyoake branch, for filter details.

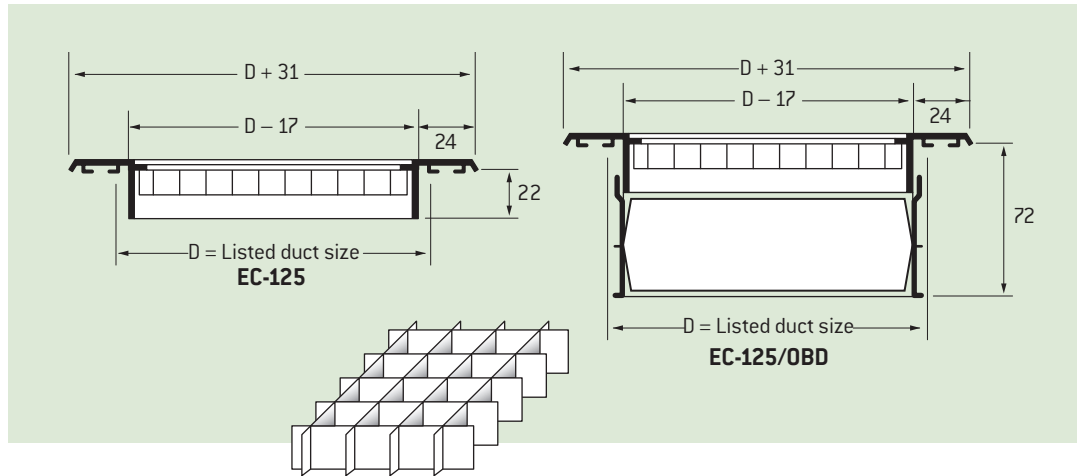
See page 227E for more details.

EC, HI, MEC & MHI – Exhaust & Return Grilles

Model: EC-125

Features 12.5 x 12.5 x 12.5mm aluminium core. Provides maximum free area.

Guide Product Weights		
Approximate Weight in Kg.		
Size	EC125	HI35
200 x 200	0.40	0.50
300 x 300	0.58	0.74
400 x 400	0.80	1.03
500 x 500	1.05	1.35
595 x 595	1.70	2.18

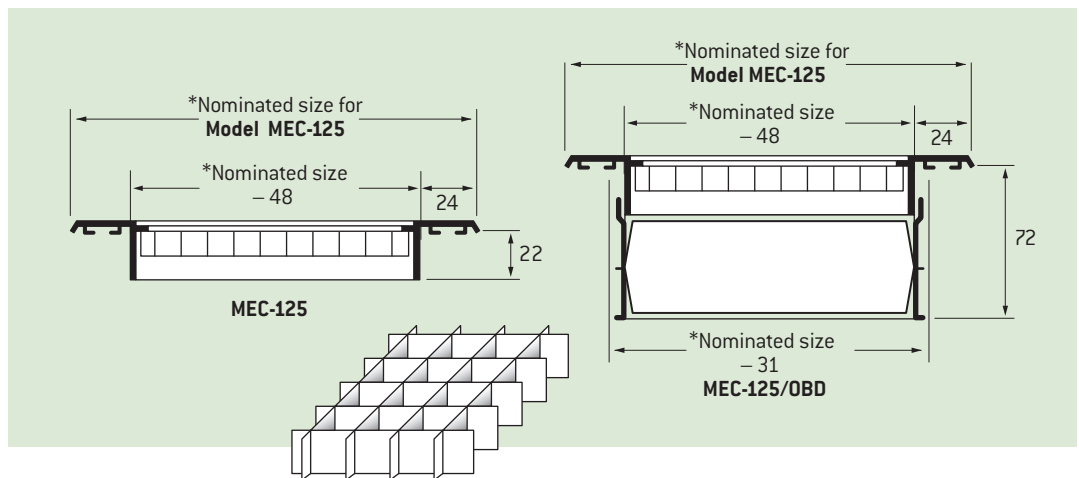


Model: MEC-125

Similar to Model EC-125, but for module of size nominated (lay-in application).

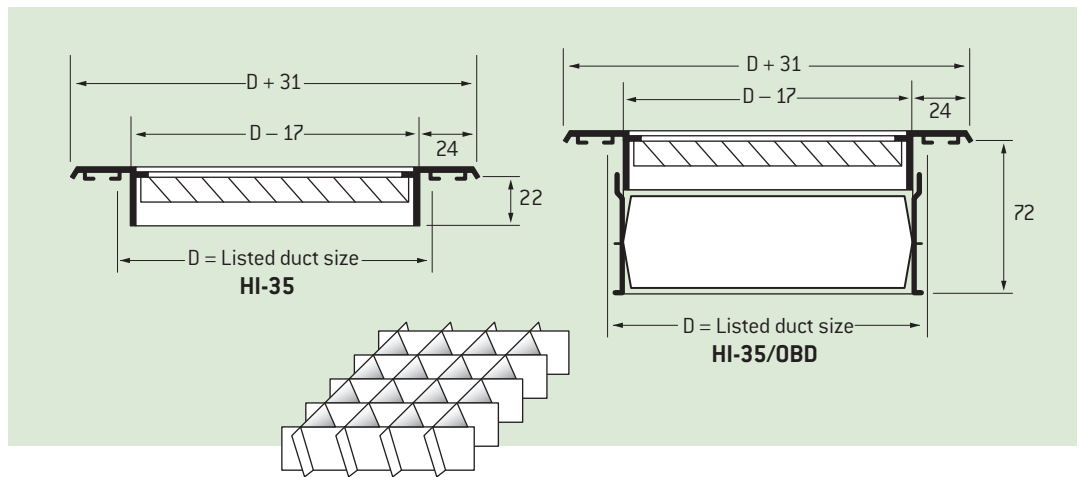
*595 x 595 or 595 x 1195 overall.
+ 600 x 600 or 600 x 1200
Nominated T.Bar opening.

Guide Product Weights		
Approximate Weight in Kg.		
Size	MEC125	MHI-35
595 x 595	1.40	1.80



Model: HI-35

Features diagonal blades at 9.5mm centres and 35° pitch, vertical mullion at 12.5mm centres and 0° pitch. Aluminium core.



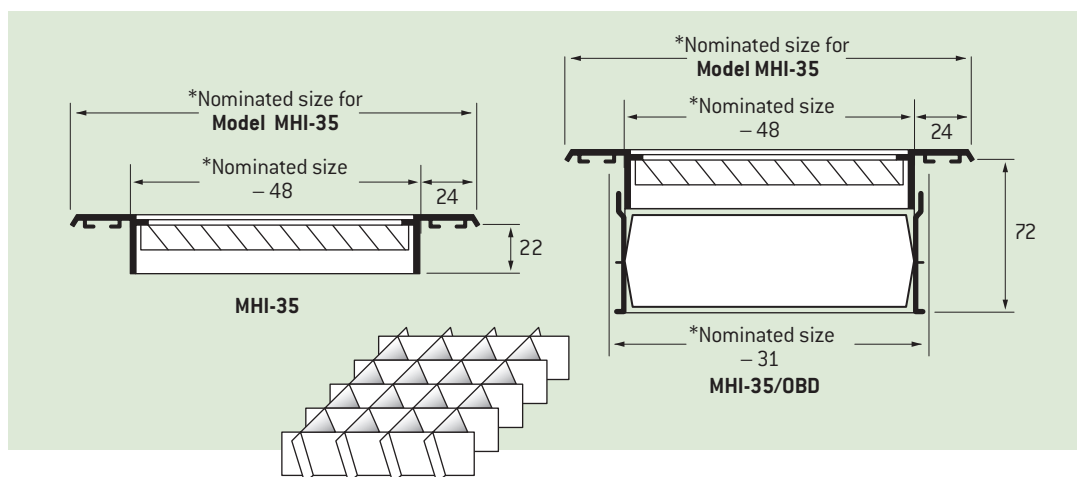
Model: MHI-35

Similar to Model HI-35, but for module of size nominated (lay-in application).

*595 x 595 or 595 x 1195 overall.
+ 600 x 600 or 600 x 1200
Nominated T.Bar opening.

Options:

1. Removeable core frame (RC), [see page 228E].
2. 14 mm Flanged Surround.
3. 40mm flanged surround.
4. Filter Return (FR), [see page 227E].



Models: EC-125 and HI-35

			NC 20							NC 30			
CORE AREA m ²	NOMINAL SIZE(mm)	CORE VEL. m/s	1.53	2.04	2.55	3.06	3.57	4.08	5.10	6.12	7.14	8.16	
		VEL. PRESS	2	3	4	6	8	10	16	23	31	40	
		NEG. SP	3	5	8	12	16	20	31	45	54	80	
0.014	175 x 100	m ³ /s	0.021	0.028	0.035	0.043	0.050	0.057	0.071	0.085	0.099	0.113	
	150 x 125	NC					11	15	22	27	32	36	
0.017	200 x 100 150 x 150	m ³ /s	0.026	0.033	0.043	0.052	0.059	0.068	0.085	0.102	0.118	0.137	
	175 x 125	NC					12	16	23	28	33	37	
0.020	250 x 100 175 x 150	m ³ /s	0.031	0.043	0.052	0.061	0.073	0.083	0.104	0.125	0.146	0.165	
	200 x 125 200 x 125	NC					13	17	24	29	34	38	
0.024	300 x 100 200 x 150	m ³ /s	0.038	0.050	0.061	0.073	0.085	0.099	0.123	0.146	0.172	0.196	
	250 x 125	NC					14	18	25	30	35	39	
0.028	350 x 100	m ³ /s	0.043	0.057	0.071	0.085	0.099	0.113	0.142	0.170	0.198	0.227	
		NC				10	15	19	26	31	36	40	
0.032	400 x 100 250 x 150	m ³ /s	0.047	0.064	0.080	0.097	0.113	0.127	0.161	0.194	0.224	0.257	
	300 x 125	NC				11	16	20	27	32	37	41	
0.036	450 x 100 300 x 150	m ³ /s	0.054	0.073	0.092	0.111	0.130	0.146	0.184	0.222	0.251	0.295	
	350 x 125 200 x 200	NC				12	17	21	28	33	38	42	
0.043	500 x 100 350 x 150	m ³ /s	0.066	0.087	0.109	0.130	0.151	0.175	0.217	0.260	0.300	0.347	
	400 x 125 250 x 200	NC				13	18	22	29	34	39	43	
0.048	600 x 100 400 x 150	m ³ /s	0.073	0.099	0.123	0.146	0.172	0.196	0.245	0.295	0.345	0.392	
	450 x 125	NC				14	19	23	30	35	40	44	
0.056	700 x 100 450 x 150 250 x 250	m ³ /s	0.085	0.113	0.142	0.170	0.198	0.227	0.283	0.340	0.397	0.453	
	500 x 125 300 x 200	NC				15	20	24	31	36	41	45	
0.064	750 x 100 500 x 150 300 x 250	m ³ /s	0.097	0.130	0.163	0.196	0.229	0.260	0.326	0.392	0.456	0.519	
	600 x 125 350 x 200	NC				15	20	24	31	36	41	45	
0.075	900 x 100 550 x 150 350 x 250	m ³ /s	0.116	0.153	0.191	0.229	0.267	0.307	0.382	0.458	0.533	0.614	
	700 x 125 400 x 200	NC			10	16	21	25	32	37	42	46	
0.084	1000 x 100 650 x 150 400 x 250	m ³ /s	0.127	0.170	0.212	0.255	0.297	0.340	0.425	0.510	0.595	0.680	
	750 x 125 450 x 200 300 x 300	NC			11	17	22	26	33	38	43	47	
0.099	1225 x 100 750 x 150 350 x 300	m ³ /s	0.151	0.203	0.253	0.302	0.354	0.404	0.505	0.604	0.708	0.807	
	900 x 125 450 x 250	NC			12	18	23	27	34	39	44	48	
0.118	850 x 150 500 x 250 350 x 350	m ³ /s	0.168	0.222	0.279	0.335	0.389	0.446	0.557	0.670	0.779	0.892	
	600 x 200 400 x 300	NC			13	19	24	28	35	40	45	49	
0.125	1525 x 100 900 x 150 400 x 350	m ³ /s	0.189	0.253	0.316	0.380	0.447	0.505	0.633	0.760	0.887	1.010	
	1225 x 125 450 x 300	NC			14	20	25	29	36	41	46	50	
0.149	1825 x 100 600 x 250 450 x 350	m ³ /s	0.227	0.302	0.378	0.453	0.529	0.604	0.755	0.906	1.060	1.210	
	750 x 200 550 x 300 400 x 400	NC			15	21	26	30	37	42	47	51	
0.167	1525 x 125 900 x 200 450 x 400 600 x 300	m ³ /s	0.255	0.340	0.425	0.510	0.595	0.680	0.850	1.020	1.190	1.360	
	1225 x 150 750 x 250 500 x 350	NC			15	21	26	30	37	42	47	51	
0.193	1825 x 125 1000 x 200 750 x 300 500 x 400	m ³ /s	0.295	0.392	0.491	0.590	0.689	0.784	0.982	1.180	1.370	1.570	
	1525 x 150 900 x 250 600 x 350 450 x 450	NC		10	16	22	27	31	38	43	48	52	
0.228	1825 x 150 800 x 300 600 x 400	m ³ /s	0.347	0.463	0.576	0.694	0.812	0.925	1.160	1.390	1.620	1.850	
	1225 x 200 650 x 350 500 x 450	NC		11	17	23	28	32	39	44	49	53	
0.258	900 x 300 650 x 400 550 x 500	m ³ /s	0.394	0.524	0.656	0.788	0.920	1.050	1.310	1.580	1.840	2.100	
	750 x 350 600 x 450	NC		12	18	24	29	33	40	45	50	54	
0.289	1525 x 200 1000 x 300 750 x 400 600 x 500	m ³ /s	0.441	0.586	0.734	0.883	1.030	1.180	1.470	1.760	2.050	2.350	
	1225 x 250 900 x 350 650 x 450 550 x 550	NC		13	19	25	30	34	41	46	51	55	
0.335	1825 x 200 1225 x 300 750 x 450	m ³ /s	0.510	0.680	0.850	1.020	1.190	1.360	1.700	2.040	2.380	2.730	
	1525 x 250 900 x 400 600 x 600	NC		13	19	25	30	34	41	46	51	55	
0.399	1225 x 350 800 x 500	m ³ /s	0.609	0.812	1.010	1.210	1.420	1.620	2.030	2.430	2.840	3.240	
	900 x 450 700 x 600	NC		14	20	26	31	35	42	47	52	56	
0.432	1825 x 250 900 x 500	m ³ /s	0.661	0.878	1.100	1.320	1.540	1.760	2.200	2.630	3.070	3.510	
	1225 x 400 750 x 600	NC		15	21	27	32	36	43	48	53	57	
0.518	1825 x 300 1225 x 450	m ³ /s	0.788	1.050	1.320	1.580	1.850	2.110	2.630	3.160	3.690	4.220	
	1525 x 350 900 x 600	NC		16	22	28	33	37	44	49	54	58	
0.581	1825 x 350 1225 x 500	m ³ /s	0.887	1.180	1.470	1.770	2.070	2.360	2.950	3.540	4.130	4.720	
	1525 x 400	NC		10	17	23	29	34	38	45	50	55	
			NC 20				NC 30		NC 40		NC 50		

NC 40

NC 50

Return & Exhaust Grilles

- Neg. SP is negative static pressure.
- NC values are based on room absorption of 10 db, re 10⁻¹² watts.

- All pressures are in pascals.
- Heavy dividing lines denote ranges of NC values.