

TECHNISCHE DATEN

Wetterschutzgitter lasergeschnitten Prüfbericht Nr. HP-111018/50, Hochschule Luzern

Lüftungsgitter 355 mm

Fortluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _p ' Pa	D _{pR} ' Pa	D _{pR} " Pa	D _{pR} Pa	u(D _{pR}) %v.MW.	w m/s	Z _R -
96853	65	22.8	1.132	543	1.1	18	20	2.7	17	3.2	1.6	11.2
96860	65	22.9	1.132	682	1.0	29	31	4.2	27	2.0	2.0	11.3
96897	64	22.9	1.132	1025	1.0	68	72	9.6	62	0.9	3.0	11.6
96952	64	22.9	1.133	1371	1.0	123	130	17.1	113	0.5	4.0	11.7
97022	64	23.0	1.133	1716	1.0	193	204	26.8	178	0.4	5.0	11.8
97095	65	23.1	1.134	2003	1.0	263	279	36.5	242	0.4	5.9	11.8
97428	65	23.2	1.137	3009	1.0	593	626	82.4	544	0.3	8.8	11.7

Aussenluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _p ' Pa	D _{pR} Pa	u(D _{pR}) %v.MW.	w m/s	Z _R -
96839	64	22.5	1.133	499	1.0	25	26	1.4	1.5	19.6
96868	64	22.5	1.133	687	1.0	48	51	0.8	2.0	19.9
96926	64	22.6	1.134	1019	1.0	107	113	0.4	3.0	20.2
97015	64	22.6	1.135	1374	1.0	194	205	0.3	4.0	20.1
97125	65	22.7	1.136	1726	1.0	304	321	0.3	5.0	19.9
97233	65	22.7	1.137	1997	1.0	406	429	0.2	5.8	19.9
97745	66	22.8	1.142	2979	1.0	918	964	0.2	8.7	20.2

Lüftungsgitter 400 mm

Fortluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _p ' Pa	D _{pR} ' Pa	D _{pR} " Pa	D _{pR} Pa	u(D _{pR}) %v.MW.	w m/s	Z _R -
96899	52	22.8	1.134	529	1.0	8	8	1.6	7	7.9	1.2	8.0
96941	51	22.3	1.137	997	1.0	29	31	5.6	25	2.2	2.3	8.1
96960	51	22.3	1.137	1326	1.0	51	54	9.9	44	1.3	3.0	8.2
96995	51	22.4	1.137	1764	1.0	91	96	17.6	78	0.7	4.0	8.2
97020	52	22.5	1.137	2002	1.0	117	123	22.7	101	0.6	4.5	8.2
97159	52	23.1	1.136	2986	1.0	261	276	50.7	225	0.4	6.8	8.2

Aussenluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _p ' Pa	D _{pR} Pa	u(D _{pR}) %v.MW.	w m/s	Z _R -
96938	49	22.8	1.135	531	1.0	12	13	2.9	1.2	13.6
96970	49	22.9	1.135	1012	1.0	44	47	0.8	2.3	14.0
97000	50	22.9	1.135	1317	1.0	75	80	0.5	3.0	14.1
97062	50	22.9	1.136	1778	1.0	138	145	0.3	4.0	14.1
97098	51	23.0	1.136	1995	1.0	173	183	0.3	4.5	14.1
97314	52	22.9	1.139	3009	1.0	389	410	0.2	6.8	13.9

TECHNISCHE DATEN

Wetterschutzgitter lasergeschnitten Prüfbericht Nr. HP-141427, Hochschule Luzern

Lüftungsgitter 450 mm

Fortluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _{pr'} Pa	D _{pr'} Pa	D _{pr''} Pa	D _{pr} Pa	u(D _{pr}) %v.MW.	w m/s	z _R -
96823	65	21.9	1.135	555	1.0	5	5	1.2	4	12.7	1.0	7.2
96843	65	22.0	1.135	1119	1.0	22	23	4.6	19	2.9	2.0	7.8
96866	65	22.1	1.135	1666	1.0	49	52	10.0	42	1.3	3.0	7.8
96870	65	22.2	1.134	2002	1.0	71	75	14.2	60	0.9	3.6	7.8
96921	66	22.3	1.135	2514	1.0	109	116	22.1	94	0.6	4.5	7.7
96971	66	22.4	1.135	3002	1.0	157	166	31.1	135	0.6	5.4	7.7
97263	66	22.5	1.138	5043	1.0	447	471	84.9	387	0.3	9.0	7.9

Aussenluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _{p'} Pa	D _{pr} Pa	u(D _{pr}) %v.MW.	w m/s	z _R -
96801	66	21.9	1.135	562	1.0	8	8	4.6	1.0	12.4
96831	66	21.9	1.135	1122	1.0	31	33	1.1	2.0	12.7
96872	66	21.9	1.136	1686	1.0	70	74	0.5	3.0	12.7
96904	67	22.0	1.136	1999	1.0	98	103	0.4	3.6	12.7
96960	68	21.9	1.137	2502	1.0	154	162	0.3	4.5	12.7
97027	68	21.9	1.138	3003	1.0	221	233	0.3	5.4	12.7
97420	68	21.9	1.142	4982	1.0	611	642	0.2	8.9	12.7

Lüftungsgitter 500 mm

Fortluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _{p'} Pa	D _{pr'} Pa	D _{pr''} Pa	D _{pr} Pa	u(D _{pr}) %v.MW.	w m/s	z _R -
96590	46	23.3	1.129	812	1.0	13	13	1.6	12	4.7	1.2	14.2
96615	47	23.5	1.128	1390	1.0	38	40	4.8	35	1.6	2.0	14.6
96650	48	22.9	1.131	2006	1.0	80	85	9.9	75	0.8	2.9	14.9
96752	50	22.4	1.134	3004	1.0	182	192	22.1	170	0.4	4.3	15.1
96801	51	22.3	1.135	3490	1.0	231	244	29.8	214	0.4	5.0	14.1
97068	52	22.6	1.137	4956	1.0	499	526	59.8	467	0.3	7.2	15.2

Aussenluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _{p'} Pa	D _{pr} Pa	u(D _{pr}) %v.MW.	w m/s	z _R -
96548	51	22.5	1.131	782	1.0	18	19	1.9	1.1	23.8
96590	51	22.3	1.132	1402	1.0	61	65	0.6	2.0	24.9
96654	51	21.9	1.135	1996	1.0	125	132	0.4	2.9	25.1
96796	53	21.8	1.136	2991	1.0	286	302	0.3	4.3	25.5
96899	54	22.7	1.134	3496	1.0	392	415	0.2	5.0	25.7
97321	54	23.2	1.137	4968	1.0	817	862	0.2	7.2	26.5

TECHNISCHE DATEN

Wetterschutzgitter lasergeschnitten Prüfbericht Nr. HP-141427, Hochschule Luzern

Lüftungsgitter 560 mm

Fortluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _p ' Pa	D _{pR} ' Pa	D _{pR} " Pa	D _{pR} Pa	u(D _{pR}) %v.MW.	w m/s	z _R -
96849	64	22.8	1.132	833	1.0	9	10	1.2	9	6.3	1.0	15.6
96885	64	22.9	1.132	1680	1.0	38	41	4.5	36	1.5	1.9	16.2
96906	64	22.9	1.132	2000	1.0	54	58	6.3	51	1.1	2.3	16.3
96979	64	23.0	1.133	2998	1.0	123	130	13.6	117	0.5	3.4	16.4
97077	64	23.1	1.134	3990	1.0	217	230	23.5	206	0.4	4.6	16.4
97214	63	23.2	1.135	5010	1.0	344	364	36.2	327	0.3	5.8	16.5

Aussenluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _p ' Pa	D _{pR} Pa	u(D _{pR}) %v.MW.	w m/s	z _R -
96866	61	23.0	1.132	831	1.0	7	7	5.3	1.0	12.0
96881	60	23.1	1.131	1687	1.0	28	30	1.3	1.9	12.5
96909	61	23.2	1.131	1997	1.0	40	42	0.9	2.3	12.6
96967	61	23.4	1.131	2998	1.0	90	96	0.4	3.4	12.7
97036	61	23.6	1.131	4013	1.0	159	169	0.3	4.6	12.5
97117	61	23.6	1.132	5000	1.0	254	269	0.3	5.7	12.8

Lüftungsgitter 600 mm

Fortluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _p ' Pa	D _{pR} ' Pa	D _{pR} " Pa	D _{pR} Pa	u(D _{pR}) %v.MW.	w m/s	z _R -
96439	50	24.1	1.123	1007	1.0	9	10	1.4	9	6.3	1.0	14.3
96463	49	23.7	1.125	2011	1.0	38	41	5.2	35	1.6	2.0	14.6
96517	50	23.2	1.128	3007	1.0	86	92	11.4	81	0.7	3.0	14.9
96585	51	23.1	1.129	3995	1.0	155	165	19.9	145	0.5	4.0	15.2
96644	52	23.2	1.129	4990	1.0	223	237	30.6	207	0.4	5.0	13.9

Aussenluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h ^A	u(q _v) %v.MW.	D _p ' Pa	D _{pR} Pa	u(D _{pR}) %v.MW.	w m/s	z _R -
96583	46	23.4	1.128	1007	1.0	15	16	2.4	1.0	24.0
96627	47	22.5	1.132	2014	1.0	60	64	0.6	2.0	24.8
96706	48	22.1	1.135	3007	1.0	137	145	0.3	3.0	25.3
96813	49	22.2	1.136	3995	1.0	243	257	0.3	4.0	25.5
96951	49	22.9	1.135	4971	1.0	380	402	0.2	5.0	25.7

TECHNISCHE DATEN

Wetterschutzgitter lasergeschnitten Prüfbericht Nr. HP-141427, Hochschule Luzern

Lüftungsgitter 630 mm

Fortluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _p ' Pa	D _p ' Pa	D _p ' Pa	D _p Pa	u(D _p) %v.MW.	w m/s	Z _R -
96982	49	21.3	1.141	1221	1.0	8	8	1.2	7	7.6	1.0	11.8
96995	49	21.2	1.142	2001	1.0	22	23	3.1	20	2.8	1.6	12.1
97020	51	21.0	1.143	2999	1.0	49	52	7.0	45	1.2	2.5	12.2
97035	51	21.2	1.143	3620	1.0	72	76	10.2	66	0.9	3.0	12.3
97098	51	21.4	1.142	4993	1.0	138	145	19.3	125	0.5	4.1	12.3
97163	50	22.0	1.141	6055	1.0	203	213	28.3	185	0.4	5.0	12.4

Aussenluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _p ' Pa	D _p Pa	u(D _p) %v.MW.	w m/s	Z _R -
96978	48	21.7	1.140	1216	1.0	10	11	3.4	1.0	17.0
96995	48	22.2	1.138	1999	1.0	28	29	1.3	1.6	17.2
97029	48	22.0	1.139	3001	1.0	63	66	0.6	2.5	17.1
97058	49	21.8	1.140	3618	1.0	91	96	0.4	3.0	17.1
97142	49	21.9	1.141	5001	1.0	175	184	0.3	4.1	17.1
97225	47	23.1	1.137	6054	1.0	257	272	0.3	5.0	17.2

Lüftungsgitter 710 mm

Fortluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _p ' Pa	D _p ' Pa	D _p ' Pa	D _p Pa	u(D _p) %v.MW.	w m/s	Z _R -
96982	49	21.3	1.141	1221	1.0	8	8	1.2	7	7.6	1.0	11.8
96995	49	21.2	1.142	2001	1.0	22	23	3.1	20	2.8	1.6	12.1
97020	51	21.0	1.143	2999	1.0	49	52	7.0	45	1.2	2.5	12.2
97035	51	21.2	1.143	3620	1.0	72	76	10.2	66	0.9	3.0	12.3
97098	51	21.4	1.142	4993	1.0	138	145	19.3	125	0.5	4.1	12.3
97163	50	22.0	1.141	6055	1.0	203	213	28.3	185	0.4	5.0	12.4

Aussenluftbetrieb

p _a Pa	j %r.F.	t _a °C	r kg/m ³	q _v m ³ /h	u(q _v) %v.MW.	D _p ' Pa	D _p Pa	u(D _p) %v.MW.	w m/s	Z _R -
96978	48	21.7	1.140	1216	1.0	10	11	3.4	1.0	17.0
96995	48	22.2	1.138	1999	1.0	28	29	1.3	1.6	17.2
97029	48	22.0	1.139	3001	1.0	63	66	0.6	2.5	17.1
97058	49	21.8	1.140	3618	1.0	91	96	0.4	3.0	17.1
97142	49	21.9	1.141	5001	1.0	175	184	0.3	4.1	17.1
97225	47	23.1	1.137	6054	1.0	257	272	0.3	5.0	17.2

TECHNISCHE DATEN

Wetterschutzgitter lasergeschnitten Prüfbericht Nr. HP-141427, Hochschule Luzern

Lüftungsgitter 710 mm mit Mittelsteg

Fortluftbetrieb

p_a Pa	j %r.F.	t_a °C	r kg/m ³	q_v m ³ /h	$u(q_v)$ %v.MW.	$D_{p'}$ Pa	$D_{pR'}$ Pa	$D_{pR''}$ Pa	D_{pR} Pa	$u(D_{pR})$ %v.MW.	w m/s	z_R -
96440	43	24.8	1.121	1377	1.0	9	10	1.2	9	6.2	1.0	14.8
96451	43	24.4	1.123	2020	1.0	20	21	2.6	19	2.9	1.5	14.8
96474	44	23.6	1.126	3022	1.0	46	48	5.7	43	1.3	2.2	15.0
96505	46	23.0	1.129	4009	1.0	81	86	10.1	76	0.8	2.9	15.1
96551	47	23.2	1.129	4995	1.0	127	135	15.6	120	0.5	3.6	15.4
96619	47	23.9	1.127	6866	1.0	225	240	29.3	210	0.4	5.0	14.3

Aussenluftbetrieb

p_a Pa	j %r.F.	t_a °C	r kg/m ³	q_v m ³ /h	$u(q_v)$ %v.MW.	$D_{p'}$ Pa	D_{pR} Pa	$u(D_{pR})$ %v.MW.	w m/s	z_R -
96423	44	24.7	1.121	1372	1.0	9	10	3.7	1.0	15.9
96433	44	24.4	1.123	2006	1.0	20	21	1.7	1.4	15.9
96453	45	23.7	1.126	3016	1.0	45	49	0.8	2.2	16.0
96484	46	23.3	1.127	4003	1.0	81	86	0.5	2.9	16.2
96531	47	23.4	1.128	4986	1.0	127	135	0.4	3.6	16.3
96628	47	23.9	1.127	6880	1.0	225	239	0.3	5.0	15.2