

## Chart for the rectangular diffuser selection

Measurement L x H [mm]	Maximum stream velocity ( $V_{eff}$ ) [m/s]	1,5	2,0	2,5	3,0	3,5
	Pressure loss ( $\Delta p$ ) [Pa]	9	15	23	33	43
372 x 205	Air stream volume (Q) [m <sup>3</sup> /h]	216	288	360	432	504
	Level of acoustic power $L_{WA}$ = [dB(A)]	–	–	28	33	38
472 x 208	Air stream volume (Q) [m <sup>3</sup> /h]	286	382	477	572	668
	Level of acoustic power $L_{WA}$ = [dB(A)]	–	–	29	34	39
572 x 208	Air stream volume (Q) [m <sup>3</sup> /h]	362	482	603	724	844
	Level of acoustic power $L_{WA}$ = [dB(A)]	–	–	30	35	40
672 x 208	Air stream volume (Q) [m <sup>3</sup> /h]	432	576	720	864	1008
	Level of acoustic power $L_{WA}$ = [dB(A)]	–	26	31	36	41
472 x 261	Air stream volume (Q) [m <sup>3</sup> /h]	405	540	675	810	945
	Level of acoustic power $L_{WA}$ = [dB(A)]	–	–	30	35	40
572 x 261	Air stream volume (Q) [m <sup>3</sup> /h]	508	677	846	1015	1184
	Level of acoustic power $L_{WA}$ = [dB(A)]	–	–	31	36	41
672 x 261	Air stream volume (Q) [m <sup>3</sup> /h]	610	814	1017	1220	1424
	Level of acoustic power $L_{WA}$ = [dB(A)]	–	26	32	37	42
872 x 261	Air stream volume (Q) [m <sup>3</sup> /h]	815	1087	1359	1631	1903
	Level of acoustic power $L_{WA}$ = [dB(A)]	–	27	33	39	43
572 x 317	Air stream volume (Q) [m <sup>3</sup> /h]	659	878	1098	1318	1537
	Level of acoustic power $L_{WA}$ = [dB(A)]	–	26	32	37	42
672 x 317	Air stream volume (Q) [m <sup>3</sup> /h]	794	1058	1323	1588	1852
	Level of acoustic power $L_{WA}$ = [dB(A)]	–	27	33	39	43
872 x 317	Air stream volume (Q) [m <sup>3</sup> /h]	1058	1411	1764	2117	2470
	Level of acoustic power $L_{WA}$ = [dB(A)]	–	28	34	40	44
672 x 372	Air stream volume (Q) [m <sup>3</sup> /h]	972	1296	1620	1944	2268
	Level of acoustic power $L_{WA}$ = [dB(A)]	–	27	33	38	42
872 x 372	Air stream volume (Q) [m <sup>3</sup> /h]	1301	1735	2169	2603	3037
	Level of acoustic power $L_{WA}$ = [dB(A)]	26	29	35	41	45
872 x 458	Air stream volume (Q) [m <sup>3</sup> /h]	1539	2052	2565	3078	3591
	Level of acoustic power $L_{WA}$ = [dB(A)]	30	35	39	44	48
972 x 458	Air stream volume (Q) [m <sup>3</sup> /h]	1863	2484	3105	3726	4347
	Level of acoustic power $L_{WA}$ = [dB(A)]	32	38	43	46	51