

Technical Data Sheet –

Shaft Louvre Damper – Residential (SLD-R)

Size Range

Type	Overall Width (mm)	Overall Height (mm)	Geometric Area (m ²)	Free Area* (m ²)	Velocity (m/s)	Flow rate (m ³ /s)	Pressure Drop (Pa) (incl. grille)	Noise Level (dBA)
SLD-R.50.20	569	391	0.10	0.06	4	0.40	16	27
					6	0.60	37	38
					8	0.80	65	46
					10	1.00	106	53
SLD-R.50.25	569	441	0.13	0.08	4	0.50	16	28
					6	0.75	37	39
					8	1.00	65	47
					10	1.25	106	54
SLD-R.50.30	569	491	0.15	0.09	4	0.60	16	29
					6	0.90	37	41
					8	1.20	65	48
					10	1.50	106	54
SLD-R.50.35	569	541	0.18	0.11	4	0.70	16	31
					6	1.05	37	42
					8	1.40	65	49
					10	1.75	106	55
SLD-R.50.40	569	591	0.20	0.12	4	0.80	16	31
					6	1.20	37	43
					8	1.60	65	49
					10	2.00	106	55
SLD-R.50.45	569	641	0.23	0.14	4	0.90	16	31
					6	1.35	37	43
					8	1.80	65	49
					10	2.25	106	57
SLD-R.50.50	569	691	0.25	0.15	4	1.00	16	31
					6	1.50	37	43
					8	2.00	65	49
					10	2.50	106	57
SLD-R.50.55	569	741	0.28	0.17	4	1.10	16	31
					6	1.65	37	43
					8	2.20	65	49
					10	2.75	106	57
SLD-R.50.60	569	791	0.30	0.18	4	1.20	16	30
					6	1.80	37	42
					8	2.40	65	49
					10	3.00	106	57

*Area between blades

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Type	Overall Width (mm)	Overall Height (mm)	Geometric Area (m ²)	Free Area* (m ²)	Velocity (m/s)	Flow rate (m ³ /s)	Pressure Drop (Pa) (incl. grille)	Noise Level (dBA)
SLD-R.50.65	569	841	0.33	0.20	4	1.30	16	32
					6	1.95	37	43
					8	2.60	65	50
					10	3.25	106	57
SLD-R.50.70	569	891	0.35	0.21	4	1.40	16	33
					6	2.10	37	44
					8	2.80	65	51
					10	3.50	106	57
SLD-R.50.75	569	941	0.38	0.23	4	1.50	16	35
					6	2.25	37	45
					8	3.00	65	52
					10	3.75	106	57
SLD-R.50.80	569	991	0.40	0.24	4	1.60	16	34
					6	2.40	37	45
					8	3.20	65	52
					10	4.00	106	57
SLD-R.50.85	569	1041	0.43	0.26	4	1.70	16	34
					6	2.55	37	45
					8	3.40	65	52
					10	4.25	106	57
SLD-R.50.90	569	1091	0.45	0.27	4	1.80	16	35
					6	2.70	37	45
					8	3.60	65	53
					10	4.50	106	58
SLD-R.50.95	569	1141	0.48	0.29	4	1.90	16	35
					6	2.85	37	45
					8	3.80	65	53
					10	4.75	106	58
SLD-R.50.100	569	1191	0.50	0.30	4	2.00	16	35
					6	3.00	37	45
					8	4.00	65	53
					10	5.00	106	58
SLD-R.50.105	569	1241	0.53	0.32	4	2.10	16	35
					6	3.15	37	45
					8	4.20	65	53
					10	5.25	106	58
SLD-R.50.110	569	1291	0.55	0.33	4	2.20	16	35
					6	3.30	37	45

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Type	Overall Width (mm)	Overall Height (mm)	Geometric Area (m ²)	Free Area* (m ²)	Velocity (m/s)	Flow rate (m ³ /s)	Pressure Drop (Pa) (incl. grille)	Noise Level (dBA)
					8	4.40	65	53
					10	5.50	106	58
SLD-R.50.115	569	1341	0.58	0.35	4	2.30	16	35
					6	3.45	37	45
					8	4.60	65	53
					10	5.75	106	58
SLD-R.50.120	569	1391	0.60	0.36	4	2.40	16	34
					6	3.60	37	45
					8	4.80	65	53
					10	6.00	106	58
SLD-R.60.20	669	391	0.12	0.07	4	0.48	16	27
					6	0.72	36	38
					8	0.96	63	46
					10	1.20	105	53
SLD-R.60.25	669	441	0.15	0.09	4	0.60	16	28
					6	0.90	36	39
					8	1.20	63	46
					10	1.50	105	53
SLD-R.60.30	669	491	0.18	0.11	4	0.72	16	29
					6	1.08	36	40
					8	1.44	63	47
					10	1.80	105	54
SLD-R.60.35	669	541	0.21	0.13	4	0.84	16	30
					6	1.26	36	42
					8	1.68	63	48
					10	2.10	105	55
SLD-R.60.40	669	591	0.24	0.14	4	0.96	16	31
					6	1.44	36	43
					8	1.92	63	48
					10	2.40	105	55
SLD-R.60.45	669	641	0.27	0.16	4	1.08	16	32
					6	1.62	36	43
					8	2.16	63	49
					10	2.70	105	56
SLD-R.60.50	669	691	0.30	0.18	4	1.20	16	33
					6	1.80	36	43
					8	2.40	63	50
					10	3.00	105	57

*Area between blades

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SLD-R.60.55	669	741	0.33	0.20	4	1.32	16	33
					6	1.98	36	43
					8	2.64	63	52
					10	3.30	105	58
SLD-R.60.60	669	791	0.36	0.22	4	1.44	16	33
					6	2.16	36	43
					8	2.88	63	52
					10	3.60	105	58
SLD-R.60.65	669	841	0.39	0.24	4	1.56	16	33
					6	2.34	36	43
					8	3.12	63	52
					10	3.90	105	58
SLD-R.60.70	669	891	0.42	0.25	4	1.68	16	34
					6	2.52	36	44
					8	3.36	63	52
					10	4.20	105	58
SLD-R.60.75	669	941	0.45	0.27	4	1.80	16	34
					6	2.70	36	45
					8	3.60	63	52
					10	4.50	105	57
SLD-R.60.80	669	991	0.48	0.29	4	1.92	16	34
					6	2.88	36	45
					8	3.84	63	52
					10	4.80	105	57
SLD-R.60.85	669	1041	0.51	0.31	4	2.04	16	34
					6	3.06	36	45
					8	4.08	63	52
					10	5.10	105	57
SLD-R.60.90	669	1091	0.54	0.32	4	2.16	16	35
					6	3.24	36	45
					8	4.32	63	53
					10	5.40	105	58
SLD-R.60.95	669	1141	0.57	0.34	4	2.28	16	35
					6	3.42	36	45
					8	4.56	63	53
					10	5.70	105	58
SLD-R.60.100	669	1191	0.60	0.36	4	2.40	16	35
					6	3.60	36	45

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					8	4.80	63	53
					10	6.00	105	58
SLD-R.60.105	669	1241	0.63	0.38	4	2.52	16	35
					6	3.78	36	45
					8	5.04	63	53
					10	6.30	105	58
SLD-R.60.110	669	1291	0.66	0.40	4	2.64	16	35
					6	3.96	36	45
					8	5.28	63	53
					10	6.60	105	58
SLD-R.60.115	669	1341	0.69	0.42	4	2.76	16	35
					6	4.14	36	45
					8	5.52	63	53
					10	6.90	105	58
SLD-R.60.120	669	1391	0.72	0.43	4	2.88	16	34
					6	4.32	36	45
					8	5.76	63	53
					10	7.20	105	58
SLD-R.70.20	769	391	0.14	0.08	4	0.56	15	28
					6	0.84	35	40
					8	1.12	61	47
					10	1.40	99	54
SLD-R.70.25	769	441	0.18	0.11	4	0.70	15	29
					6	1.05	35	41
					8	1.40	61	48
					10	1.75	99	54
SLD-R.70.30	769	491	0.21	0.13	4	0.84	15	30
					6	1.26	35	42
					8	1.68	61	49
					10	2.10	99	54
SLD-R.70.35	769	541	0.25	0.15	4	0.98	15	31
					6	1.47	35	43
					8	1.96	61	50
					10	2.45	99	55
SLD-R.70.40	769	591	0.28	0.17	4	1.12	15	31
					6	1.68	35	43
					8	2.24	61	50
					10	2.80	99	55

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Type	Overall Width (mm)	Overall Height (mm)	Geometric Area (m ²)	Free Area* (m ²)	Velocity (m/s)	Flow rate (m ³ /s)	Pressure Drop (Pa) (incl. grille)	Noise Level (dBA)
SLD-R.70.45	769	641	0.32	0.19	4	1.26	15	32
					6	1.89	35	43
					8	2.52	61	51
					10	3.15	99	56
SLD-R.70.50	769	691	0.35	0.21	4	1.40	15	32
					6	2.10	35	43
					8	2.80	61	52
					10	3.50	99	57
SLD-R.70.55	769	741	0.39	0.23	4	1.54	15	33
					6	2.31	35	44
					8	3.08	61	53
					10	3.85	99	58
SLD-R.70.60	769	791	0.42	0.25	4	1.68	15	33
					6	2.52	35	44
					8	3.36	61	53
					10	4.20	99	59
SLD-R.70.65	769	841	0.46	0.27	4	1.82	15	34
					6	2.73	35	44
					8	3.64	61	53
					10	4.55	99	59
SLD-R.70.70	769	891	0.49	0.29	4	1.96	15	35
					6	2.94	35	45
					8	3.92	61	52
					10	4.90	99	58
SLD-R.70.75	769	941	0.53	0.32	4	2.10	15	35
					6	3.15	35	45
					8	4.20	61	52
					10	5.25	99	58
SLD-R.70.80	769	991	0.56	0.34	4	2.24	15	35
					6	3.36	35	45
					8	4.48	61	52
					10	5.60	99	58
SLD-R.70.85	769	1041	0.60	0.36	4	2.38	15	35
					6	3.57	35	45
					8	4.76	61	52
					10	5.95	99	58
SLD-R.70.90	769	1091	0.63	0.38	4	2.52	15	35
					6	3.78	35	45

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Type	Overall Width (mm)	Overall Height (mm)	Geometric Area (m ²)	Free Area* (m ²)	Velocity (m/s)	Flow rate (m ³ /s)	Pressure Drop (Pa) (incl. grille)	Noise Level (dBA)
					8	5.04	61	53
					10	6.30	99	59
SLD-R.70.95	769	1141	0.67	0.40	4	2.66	15	35
					6	3.99	35	45
					8	5.32	61	53
					10	6.65	99	59
SLD-R.70.100	769	1191	0.70	0.42	4	2.80	15	35
					6	4.20	35	45
					8	5.60	61	53
					10	7.00	99	59
SLD-R.70.105	769	1241	0.74	0.44	4	2.94	15	35
					6	4.41	35	45
					8	5.88	61	53
					10	7.35	99	59
SLD-R.70.110	769	1291	0.77	0.46	4	3.08	15	35
					6	4.62	35	46
					8	6.16	61	54
					10	7.70	99	59
SLD-R.70.115	769	1341	0.81	0.48	4	3.22	15	35
					6	4.83	35	46
					8	6.44	61	54
					10	8.05	99	59
SLD-R.70.120	769	1391	0.84	0.50	4	3.36	15	35
					6	5.04	35	46
					8	6.72	61	54
					10	8.40	99	59
SLD-R.80.20	869	391	0.16	0.10	4	0.64	15	29
					6	0.96	33	41
					8	1.28	60	47
					10	1.60	97	54
SLD-R.80.25	869	441	0.20	0.12	4	0.80	15	30
					6	1.20	33	42
					8	1.60	60	48
					10	2.00	97	55
SLD-R.80.30	869	491	0.24	0.14	4	0.96	15	31
					6	1.44	33	43
					8	1.92	60	49
					10	2.40	97	55

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SLD-R.80.35	869	541	0.28	0.17	4	1.12	15	31
					6	1.68	33	43
					8	2.24	60	51
					10	2.80	97	55
SLD-R.80.40	869	591	0.32	0.19	4	1.28	15	31
					6	1.92	33	43
					8	2.56	60	51
					10	3.20	97	55
SLD-R.80.45	869	641	0.36	0.22	4	1.44	15	32
					6	2.16	33	44
					8	2.88	60	52
					10	3.60	97	57
SLD-R.80.50	869	691	0.40	0.24	4	1.60	15	32
					6	2.40	33	44
					8	3.20	60	52
					10	4.00	97	58
SLD-R.80.55	869	741	0.44	0.27	4	1.76	15	33
					6	2.64	33	45
					8	3.52	60	53
					10	4.40	97	59
SLD-R.80.60	869	791	0.48	0.29	4	1.92	15	33
					6	2.88	33	45
					8	3.84	60	53
					10	4.80	97	59
SLD-R.80.65	869	841	0.52	0.32	4	2.08	15	33
					6	3.12	33	45
					8	4.16	60	53
					10	5.20	97	59
SLD-R.80.70	869	891	0.56	0.34	4	2.24	15	34
					6	3.36	33	45
					8	4.48	60	53
					10	5.60	97	59
SLD-R.80.75	869	941	0.60	0.36	4	2.40	15	35
					6	3.60	33	45
					8	4.80	60	52
					10	6.00	97	59
SLD-R.80.80	869	991	0.64	0.38	4	2.56	15	35
					6	3.84	33	45

*Area between blades

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Type	Overall Width (mm)	Overall Height (mm)	Geometric Area (m ²)	Free Area* (m ²)	Velocity (m/s)	Flow rate (m ³ /s)	Pressure Drop (Pa) (incl. grille)	Noise Level (dBA)
					8	5.12	60	52
					10	6.40	97	59
SLD-R.80.85	869	1041	0.68	0.41	4	2.72	15	35
					6	4.08	33	45
					8	5.44	60	52
					10	6.80	97	59
SLD-R.80.90	869	1091	0.72	0.43	4	2.88	15	35
					6	4.32	33	45
					8	5.76	60	52
					10	7.20	97	59
SLD-R.80.95	869	1141	0.76	0.46	4	3.04	15	35
					6	4.56	33	45
					8	6.08	60	52
					10	7.60	97	59
SLD-R.80.100	869	1191	0.80	0.48	4	3.20	15	35
					6	4.80	33	45
					8	6.40	60	53
					10	8.00	97	59
SLD-R.80.105	869	1241	0.84	0.51	4	3.36	15	35
					6	5.04	33	45
					8	6.72	60	53
					10	8.40	97	59
SLD-R.80.110	869	1291	0.88	0.53	4	3.52	15	36
					6	5.28	33	46
					8	7.04	60	54
					10	8.80	97	59
SLD-R.80.115	869	1341	0.92	0.56	4	3.68	15	36
					6	5.52	33	46
					8	7.36	60	54
					10	9.20	97	59
SLD-R.80.120	869	1391	0.96	0.58	4	3.84	15	36
					6	5.76	33	46
					8	7.68	60	54
					10	9.60	97	59

*Area between blades