



VENTILATOREN

Herstellererklärung

Normschallpegeldifferenz $D_{n,e,w}$

zu Zuluftautomat Laibung ZLA LE

Hiermit bestätigen wir auf Basis der Messungen an der HfT in Stuttgart für die folgenden Konfigurationen die jeweilige Normschallpegeldifferenz ($D_{n,e,w}$):

Rohbaupaket Laibung + Wandgitter	Innenblende	Schalldämm- Element Laibung	Schalldämm- Volumen- Element	Schalldämm- Element Rohr	Norm- schallpegel- differenz
Typ	Typ	Anzahl KWL 45 SEL	Anzahl SVE 100 bzw. 125	Anzahl ZLA 125 SE	$D_{n,e,w}$ [dB]
RL100	DLV100	0	0	-	41
RL100	DLV100	0	1	-	43
RL100	DLV100	0	2	-	45
RL100	DLV100	0	5	-	48
RL100	DLV100	0	9	-	50
RL100	DLV100	1	0	-	44
RL100	DLV100	1	1	-	46
RL100	DLV100	1	2	-	48
RL100	DLV100	1	5	-	50
RL100	DLV100	1	9	-	52
RL100	DLV100	2	0	-	47
RL100	DLV100	2	1	-	48
RL100	DLV100	2	2	-	49
RL100	DLV100	2	5	-	51
RL100	DLV100	2	9	-	53
RL100	DLV100	3	0	-	48
RL100	DLV100	3	1	-	50
RL100	DLV100	3	2	-	51
RL100	DLV100	3	5	-	53
RL100	DLV100	3	9	-	54
RL125	DLV125	0	0	0	40
RL125	DLV125	0	1	0	42
RL125	DLV125	0	2	0	44
RL125	DLV125	0	5	0	46
RL125	DLV125	0	9	0	48
RL125	DLV125	0	0	1	52
RL125	DLV125	0	0	2	50
RL125	DLV125	1	0	0	43
RL125	DLV125	1	1	0	45



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Rohbaupaket Laibung + Wandgitter	Innenblende	Schalldämm- Element Laibung	Schalldämm- Volumen- Element	Schalldämm- Element Rohr	Norm- schallpegel- differenz
Typ	Typ	Anzahl KWL 45 SEL	Anzahl SVE 100 bzw. 125	Anzahl ZLA 125 SE	D _{n,e,w} [dB]
RL125	DLV125	1	2	0	46
RL125	DLV125	1	5	0	49
RL125	DLV125	1	9	0	51
RL125	DLV125	1	0	1	54
RL125	DLV125	1	0	2	61
RL125	DLV125	2	0	0	45
RL125	DLV125	2	1	0	47
RL125	DLV125	2	5	0	50
RL125	DLV125	2	9	0	52
RL125	DLV125	2	0	1	56
RL125	DLV125	2	0	2	62
RL125	DLV125	3	0	0	47
RL125	DLV125	3	1	0	49
RL125	DLV125	3	2	0	50
RL125	DLV125	3	5	0	52
RL125	DLV125	3	9	0	53
RL125	DLV125	3	0	1	57
RL125	DLV125	3	0	2	63
RL125	ZLA 125 IB 30	0	0	0	48
RL125	ZLA 125 IB 30	0	1	0	50
RL125	ZLA 125 IB 30	0	2	0	51
RL125	ZLA 125 IB 30	0	5	0	53
RL125	ZLA 125 IB 30	0	9	0	54
RL125	ZLA 125 IB 30	0	0	1	57
RL125	ZLA 125 IB 30	0	0	2	61
RL125	ZLA 125 IB 30	1	0	0	51
RL125	ZLA 125 IB 30	1	1	0	52
RL125	ZLA 125 IB 30	1	2	0	53
RL125	ZLA 125 IB 30	1	5	0	54
RL125	ZLA 125 IB 30	1	9	0	55
RL125	ZLA 125 IB 30	1	0	1	59
RL125	ZLA 125 IB 30	1	0	2	63
RL125	ZLA 125 IB 30	2	0	0	52
RL125	ZLA 125 IB 30	2	1	0	53
RL125	ZLA 125 IB 30	2	2	0	54
RL125	ZLA 125 IB 30	2	5	0	55
RL125	ZLA 125 IB 30	2	9	0	56
RL125	ZLA 125 IB 30	2	0	1	61
RL125	ZLA 125 IB 30	2	0	2	64
RL125	ZLA 125 IB 30	3	0	0	53



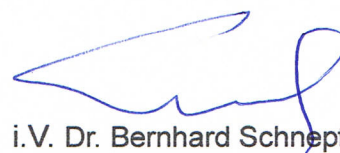
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Rohbaupaket Laibung + Wandgitter	Innenblende	Schalldämm- Element Laibung	Schalldämm- Volumen- Element	Schalldämm- Element Rohr	Norm- schallpegel- differenz
Typ	Typ	Anzahl KWL 45 SEL	Anzahl SVE 100 bzw. 125	Anzahl ZLA 125 SE	D _{n,e,w} [dB]
RL125	ZLA 125 IB 30	3	1	0	54
RL125	ZLA 125 IB 30	3	2	0	55
RL125	ZLA 125 IB 30	3	5	0	56
RL125	ZLA 125 IB 30	3	9	0	57
RL125	ZLA 125 IB 30	3	0	1	61
RL125	ZLA 125 IB 30	3	0	2	64
RL125	ZLA 125 IB 22	0	0	0	49
RL125	ZLA 125 IB 22	0	1	0	51
RL125	ZLA 125 IB 22	0	2	0	52
RL125	ZLA 125 IB 22	0	5	0	54
RL125	ZLA 125 IB 22	0	9	0	55
RL125	ZLA 125 IB 22	0	0	1	58
RL125	ZLA 125 IB 22	0	0	2	62
RL125	ZLA 125 IB 22	1	0	0	52
RL125	ZLA 125 IB 22	1	1	0	53
RL125	ZLA 125 IB 22	1	2	0	54
RL125	ZLA 125 IB 22	1	5	0	55
RL125	ZLA 125 IB 22	1	9	0	56
RL125	ZLA 125 IB 22	1	0	1	60
RL125	ZLA 125 IB 22	1	0	2	64
RL125	ZLA 125 IB 22	2	0	0	53
RL125	ZLA 125 IB 22	2	1	0	54
RL125	ZLA 125 IB 22	2	2	0	55
RL125	ZLA 125 IB 22	2	5	0	56
RL125	ZLA 125 IB 22	2	9	0	57
RL125	ZLA 125 IB 22	2	0	1	62
RL125	ZLA 125 IB 22	2	0	2	65
RL125	ZLA 125 IB 22	3	0	0	54
RL125	ZLA 125 IB 22	3	1	0	55
RL125	ZLA 125 IB 22	3	2	0	56
RL125	ZLA 125 IB 22	3	5	0	57
RL125	ZLA 125 IB 22	3	9	0	58
RL125	ZLA 125 IB 22	3	0	1	62
RL125	ZLA 125 IB 22	3	0	2	65
RL125	ZLA 125 IB HY 6-45	0	0	0	47
RL125	ZLA 125 IB HY 6-45	0	1	0	49
RL125	ZLA 125 IB HY 6-45	0	2	0	50
RL125	ZLA 125 IB HY 6-45	0	5	0	52
RL125	ZLA 125 IB HY 6-45	0	9	0	53
RL125	ZLA 125 IB HY 6-45	0	0	1	56

Rohbaupaket Laibung + Wandgitter	Innenblende	Schalldämm- Element Laibung	Schalldämm- Volumen- Element	Schalldämm- Element Rohr	Norm- schallpegel- differenz
Typ	Typ	Anzahl KWL 45 SEL	Anzahl SVE 100 bzw. 125	Anzahl ZLA 125 SE	$D_{n,e,w}$ [dB]
RL125	ZLA 125 IB HY 6-45	0	0	2	60
RL125	ZLA 125 IB HY 6-45	1	0	0	50
RL125	ZLA 125 IB HY 6-45	1	1	0	51
RL125	ZLA 125 IB HY 6-45	1	2	0	52
RL125	ZLA 125 IB HY 6-45	1	5	0	53
RL125	ZLA 125 IB HY 6-45	1	9	0	54
RL125	ZLA 125 IB HY 6-45	1	0	1	58
RL125	ZLA 125 IB HY 6-45	1	0	2	62
RL125	ZLA 125 IB HY 6-45	2	0	0	51
RL125	ZLA 125 IB HY 6-45	2	1	0	52
RL125	ZLA 125 IB HY 6-45	2	2	0	53
RL125	ZLA 125 IB HY 6-45	2	5	0	54
RL125	ZLA 125 IB HY 6-45	2	9	0	55
RL125	ZLA 125 IB HY 6-45	2	0	1	60
RL125	ZLA 125 IB HY 6-45	2	0	2	63
RL125	ZLA 125 IB HY 6-45	3	0	0	52
RL125	ZLA 125 IB HY 6-45	3	1	0	53
RL125	ZLA 125 IB HY 6-45	3	2	0	54
RL125	ZLA 125 IB HY 6-45	3	5	0	55
RL125	ZLA 125 IB HY 6-45	3	9	0	56
RL125	ZLA 125 IB HY 6-45	3	0	1	60
RL125	ZLA 125 IB HY 6-45	3	0	2	63

Die Normschallpegeldifferenzen wurden bei 500 mm Rohrlänge gemessen. Die Schalldämm-Volumen-Elemente SVE 100 bzw. 125 waren komplett geöffnet.

VS-Schwenningen, 19.12.2018



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Leiter Forschung