

Regulating damper



DESCRIPTION

Galvanised round regulating damper with manual control handle. Due to the cut-off damper blade, there is still a free passage of about 20% in closed position. The position of the damper blade (0-90°) can be read on the control handle. The damper blade position can be fixed with a screw on the control handle. The casing airtightness meets class C according EN1751. Both flange connections are fitted with EPDM gaskets.

Airtight casing: Class C EN1751
Galvanised steel sheet

PRODUCT KEY

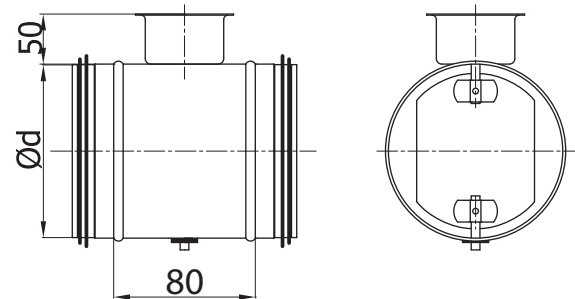
KRR00H - 200

type _____
Ød₁ _____

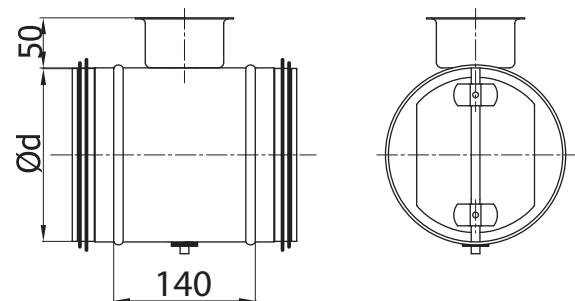
KRR00H — regulating damper with gaskets at flanged ends

DIMENSIONS

For d₁ < 355



For d₁ ≥ 355



For d₁ < 450, the damper closure pivot is mounted on two short rods;

For d₁ ≥ 450, the damper closure pivot is mounted on a single long bar.

Ød _{1nom} (mm)	Weight (kg)
100	0.46
125	0.55
160	0.70
250	1.10
315	1.50
355	2.00
400	2.40
450	3.50
500	4.00
560	4.60
630	5.40

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TECHNICAL SPECIFICATIONS

Pressure loss and sound level charts to help with the product selection.

Solid lines show the overall pressure loss across a damper vs. the air flow rate and the damper closure opening angle. The curve shows the A-weighted sound level value, L_w [A], in dB, inside a connected duct.

Example:

Diameter \varnothing : 100 Air

flow rate: 60 l/s

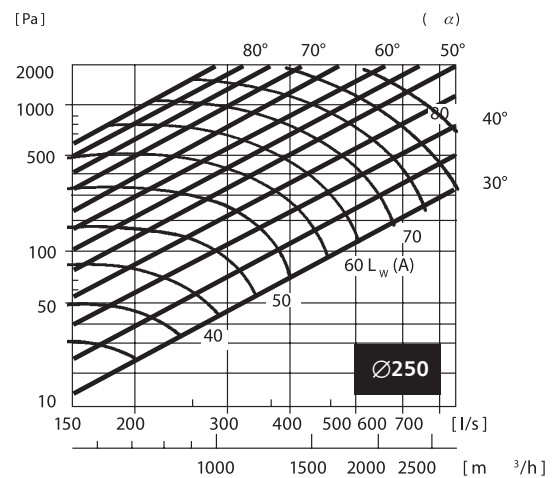
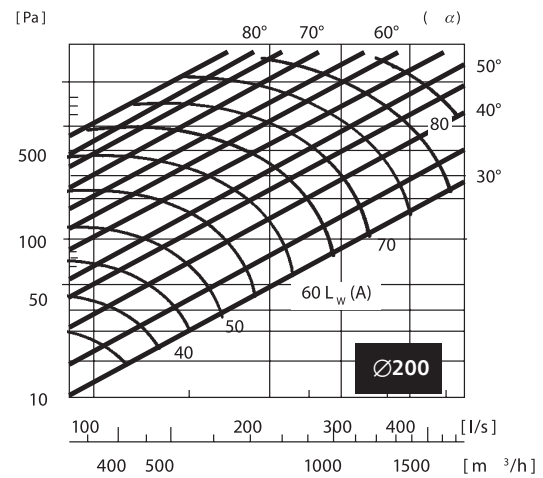
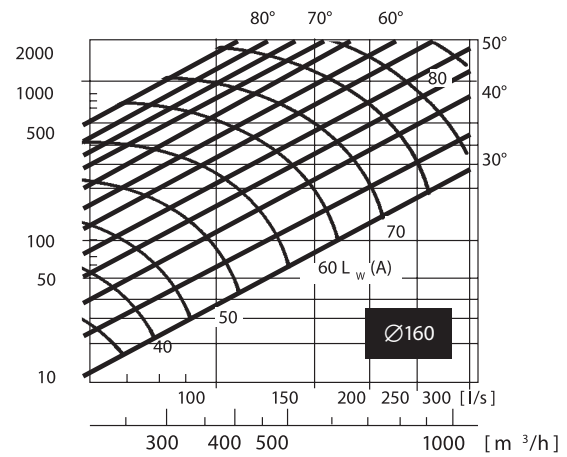
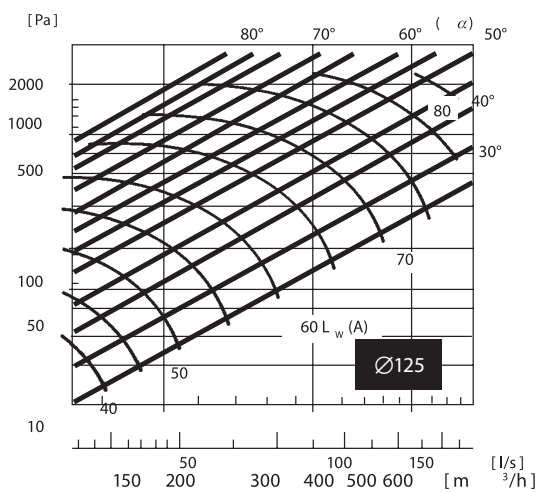
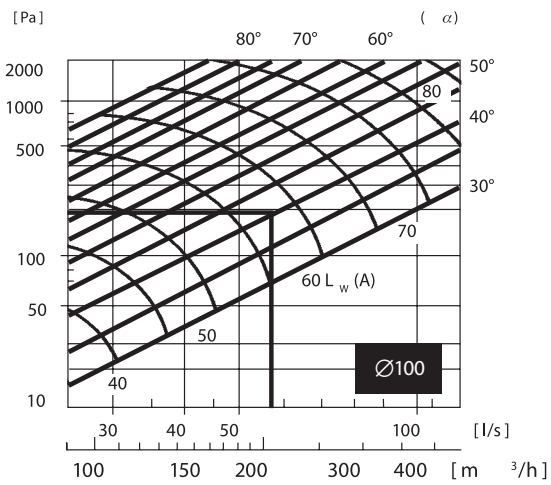
Pressure loss: 200

Pa

The following information can be read from the charts:

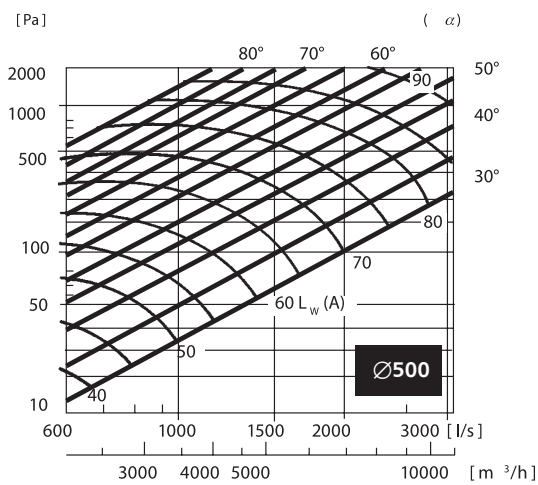
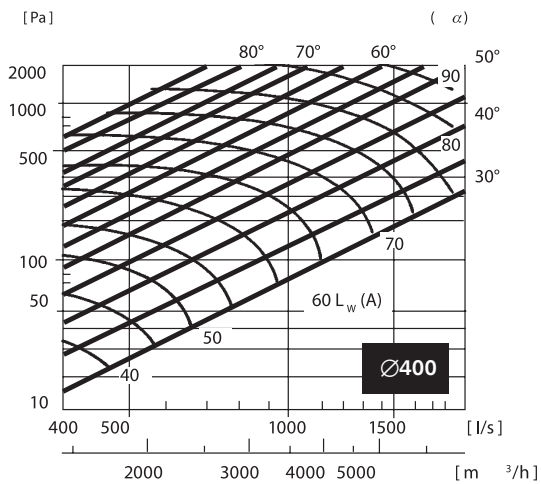
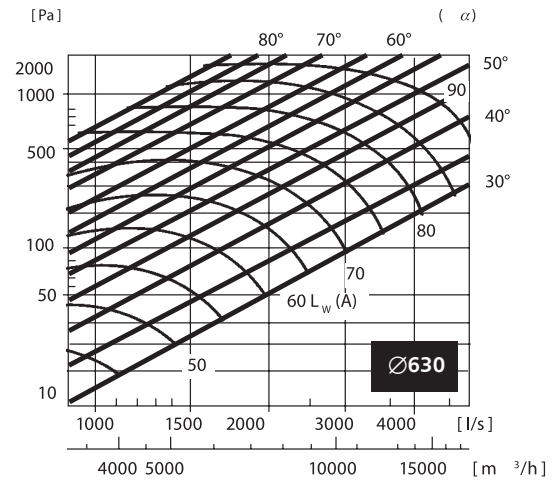
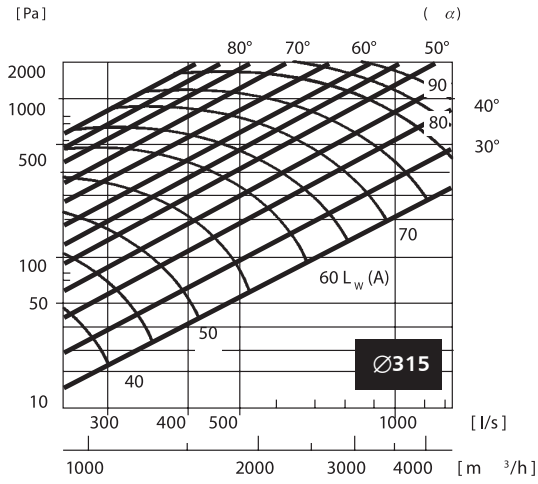
Opening angle: 40°

Sound level: 62 dB(A)



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Sound level L_w [dB] in 63-8000 Hz octave bands vs. diameter, air flow rate and pressure loss.

diameter (mm)	pressure loss (Pa)	mean velocity: 3 m/s frequency (Hz)								mean velocity: 6 m/s frequency (Hz)								mean velocity: 9 m/s frequency (Hz)								mean velocity: 12 m/s frequency (Hz)								mean velocity: 15 m/s frequency (Hz)							
		63	125	250	500	1k	2k	4k	8k	63	125	250	500	1k	2k	4k	8k	63	125	250	500	1k	2k	4k	8k	63	125	250	500	1k	2k	4k	8k	63	125	250	500	1k	2k	4k	8k
		air flow rate: 25 l/s								air flow rate: 50 l/s								air flow rate: 75 l/s								air flow rate: 100 l/s								air flow rate: 120 l/s							
100	500	67	64	64	57	54	48	48	48	72	68	68	62	59	52	52	52	78	75	75	67	64	57	57	57	84	81	80	72	68	62	61	61	88	85	84	76	72	65	64	64
	300	62	61	60	54	51	45	42	42	68	68	68	59	56	50	47	47	75	74	73	65	61	54	51	51	81	80	79	70	67	59	56	55	86	85	84	74	70	62	59	58
	200	58	58	58	50	48	40	37	37	65	65	64	57	54	45	42	42	74	73	73	64	59	50	47	46	80	80	79	69	66	55	51	51	-	-	-	-	-	-	-	-
	100	58	55	53	46	41	34	26	24	68	66	62	54	48	40	31	29	79	75	71	62	56	46	36	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	50	55	53	48	42	35	26	22	18	69	67	60	53	44	33	28	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
125	500	71	68	65	59	56	50	47	76	73	70	63	60	53	53	50	83	79	76	68	65	58	58	54	89	85	81	73	69	62	62	58	91	87	83	75	71	63	63	59	
	300	66	66	60	55	52	46	43	40	73	73	67	60	57	51	48	44	79	79	72	66	62	55	52	48	86	86	79	71	68	60	56	53	89	88	81	73	69	62	58	54
	200	65	62	57	51	46	41	38	38	74	71	65	59	53	47	43	43	82	78	71	65	58	51	48	48	89	85	78	70	63	56	52	52	-	-	-	-	-	-	-	-
	100	64	59	53	47	39	34	29	27	77	70	63	55	47	40	35	32	84	78	70	61	51	45	39	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	50	63	54	50	41	36	27	25	20	80	68	60	51	43	34	32	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
160	500	68	67	64	59	55	53	52	51	72	71	68	62	59	55	54	53	78	77	74	67	63	60	59	58	84	84	80	72	68	65	65	65	89	89	85	77	73	69	69	69
	300	63	62	59	55	52	49	46	45	67	66	64	58	55	52	49	48	75	75	71	65	61	58	54	54	81	81	78	70	67	63	59	59	87	87	83	76	72	68	64	64
	200	58	56	50	48	42	40	40	38	65	62	56	53	47	44	44	46	73	69	63	59	53	50	50	84	80	77	69	66	58	55	55	-	-	-	-	-	-	-	-	
	100	59	54	50	45	40	35	33	31	70	64	60	53	48	42	39	38	77	73	69	61	54	48	45	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	50	54	50	46	37	33	29	25	25	69	64	58	48	42	37	32	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200	500	70	64	61	55	52	52	55	55	75	68	65	59	55	55	59	59	83	76	72	65	61	61	65	65	90	82	78	72	67	66	71	70	93	85	81	73	71	70	74	73
	300	67	62	56	50	48	45	48	48	74	68	62	55	52	51	53	52	84	78	71	64	61	57	60	60	92	84	78	71	67	63	67	66	95	87	81	72	68	66	69	68
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	50	51	45	41	36	32	32	28	28	63	56	51	44	39	39	34	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250	500	69	66	59	53	50	54	53	52	71	67	61	56	53	56	55	54	78	75	68	61	58	61	60	59	87	83	76	68	64	68	68	68	94	90	82	74	70	74	74	74
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315	500	68	65	59	53	50	53	50	74	71	65	58	55	55	58	55	82	78	71	64	60	60	54	60	89	85	77	69	68	67	69	65	92	88	80	72	71	70	72	68	
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400	500	79	73	67	62	57	60	59	58	82	75	68	65	59	62	61	60	88	81	74	70	62	66	65	64	95	87	79	75	67	71	70	69	98	90	82	78	70	74	73	72
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	100	61	56	49	44	42	39	39	34	72	66	58	53	49	47	46	40	83	76	67	60	58	55	53	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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