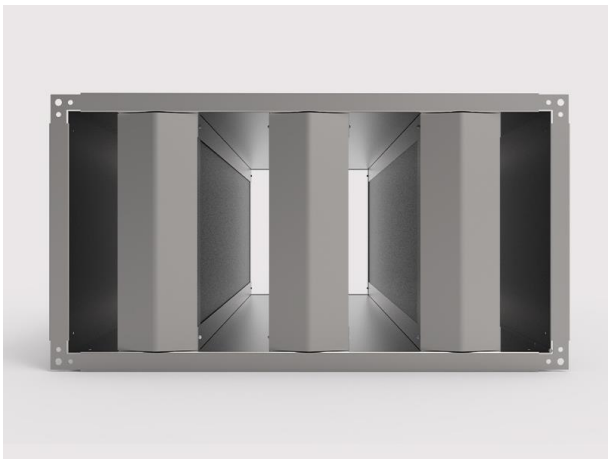
CENKAY TEKNİK

SOUND ATTENUATORS PRISMATIC – CKS-01



USAGE AREA AND FEATURES: It is used in ventilation systems to provide the ideal sound level at the device connections and outputs of the air ducts.

MATERIAL: 1 mm. It is produced from galvanized plate by cold rivet method without welding. The backstage is filled with rock wool of 50 kg / m3 density. The backstage surfaces are covered with glass wool covered with rock wool. Optionally, galvanized perforated plate is coated to reinforce it. Cassette thicknesses are manufactured as 100-200-300 mm.

ASSEMBLY: Bolted as standard.

SURFACE COATING: It is manufactured from galvanized plate without paint.

SOUND LEVELS AVAILABLE

		NR	dB(A)
HOSPITALS	SPECIAL ROOMS	25-35	30-40
	OPERATING ROOMS	30-40	35-45
	LABORATORIES, HOLLER	40-40	35-45
	WAITING ROOMS	35-45	40-50
OFFICES	MANAGEMENT ROOMS	20-30	25-35
	CONFERENCE ROOMS	25-35	30-40
	OPEN OFFICES	30-40	35-45
	COMPUTER ROOMS	40-60	45-65
HOTEL. RESTAURANT AND STORES	MANAGEMENT ROOMS	25-35	30-40
	CONFERENCE ROOMS	30-40	35-45
	OPEN OFFICES	30-40	35-45
	COMPUTER ROOMS	40-50	45-55
HOUSING	SINGLE FAMILY PLACES (HOLIDAY PLACE)	20-30	25-35
	SINGLE FAMILY PLACES (CITY)	25-35	30-40
	APARTMENTS	30-40	35-45
FACTORIES	LIGHT MACHINE PRODUCTION	45-65	50-70
	HEAVY MACHINE, CASTING MACHINE	55-75	60-80
LARGE BUILDINGS	RADIO AND TV STUDIOS	20-25	25-30
	CONCERT AND OPERA HALLS	20-30	25-35
	Mosques and churches	20-30	25-35
	THEATERS AND HALLS	20-30	25-35
	LIBRARIES - MUSEUMS	20-30	25-35
	SCHOOLS - CLASSES	25-35	30-40
	CINEMA AND SHOW HALLS	30-40	35-45
	VISITING HALLS	35-45	40-50
DANGEROUS LIMIT		85	90

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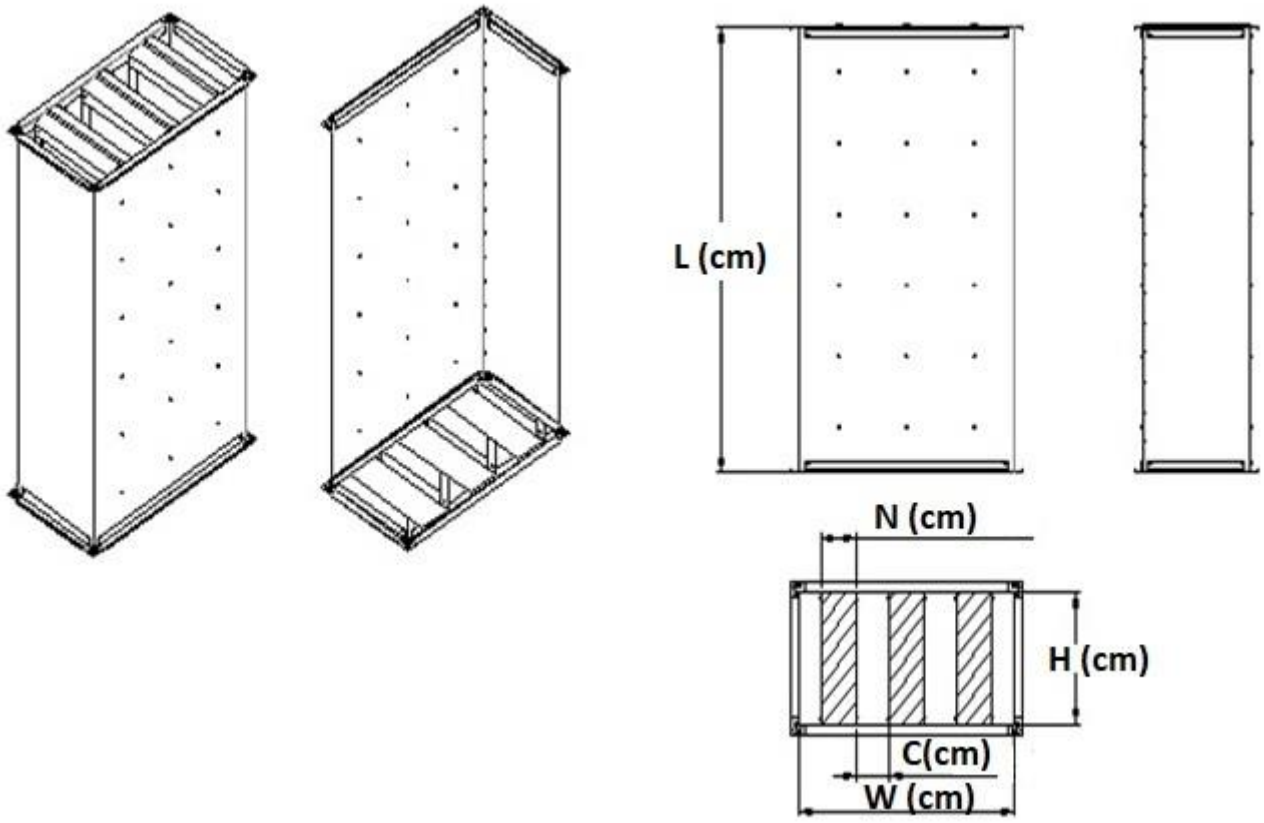
TEKNICAL DIMENSIONS



SYMBOLS:

V: Air flow

n: Number of Cassettes

s: Air Passage Range

vt: Air Velocity in W * H section

vs: Air Velocity in Air Passage Range

:P: Pressure Loss

f (Hz): Frequency in the octave band

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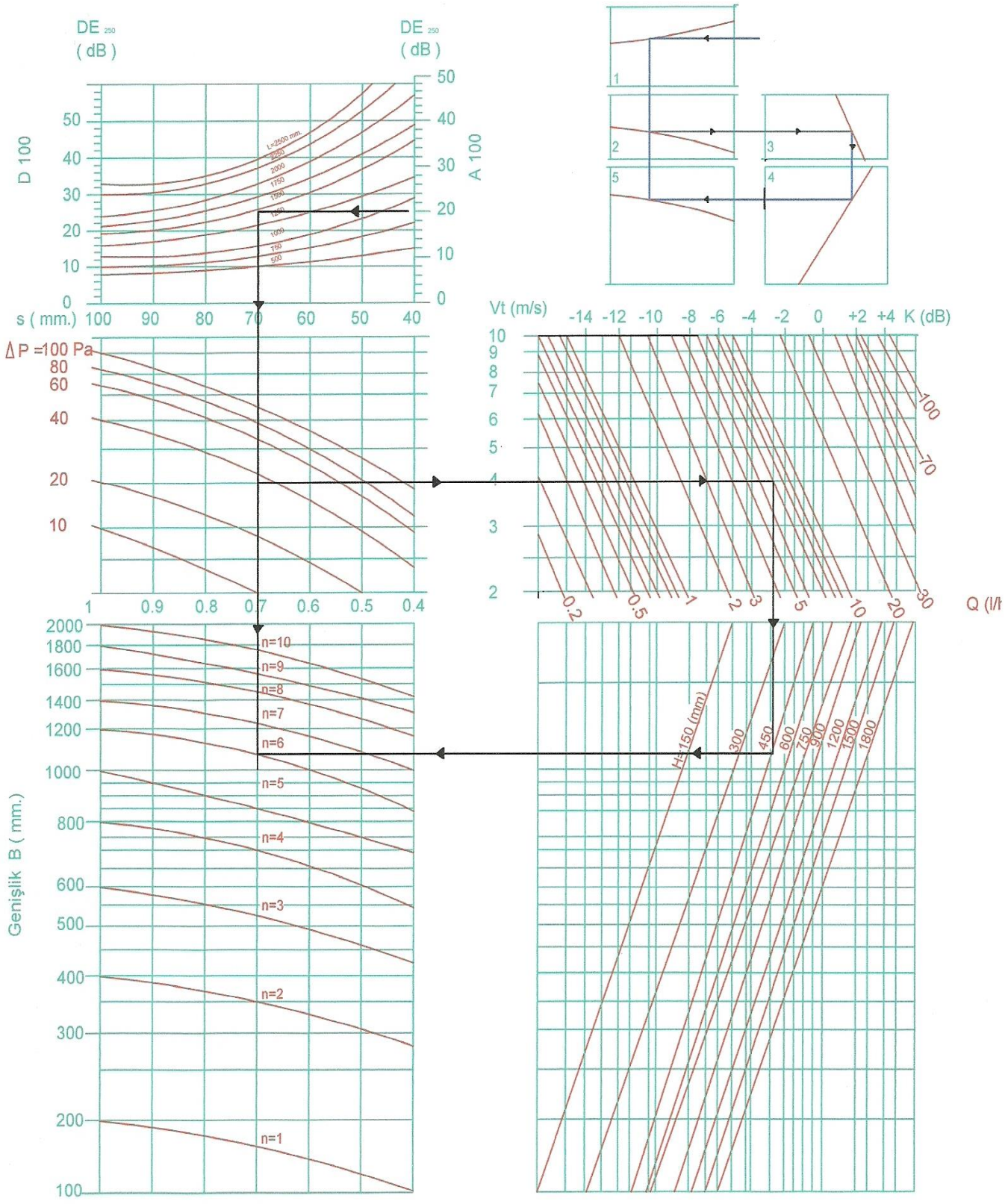
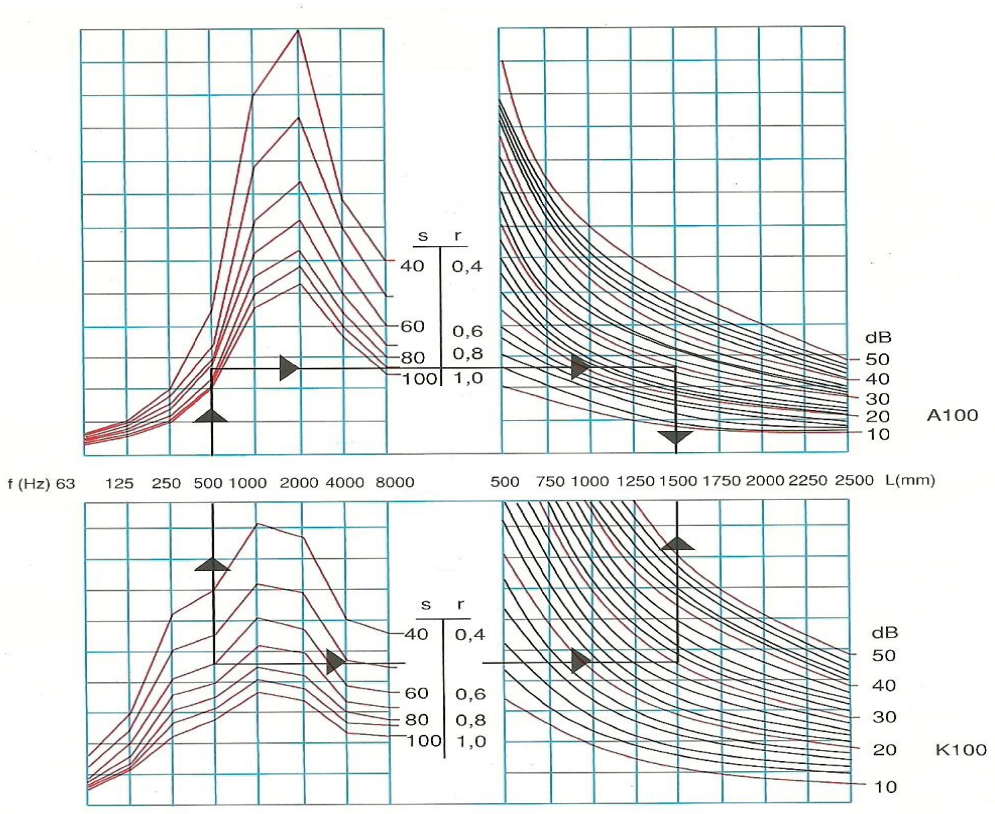
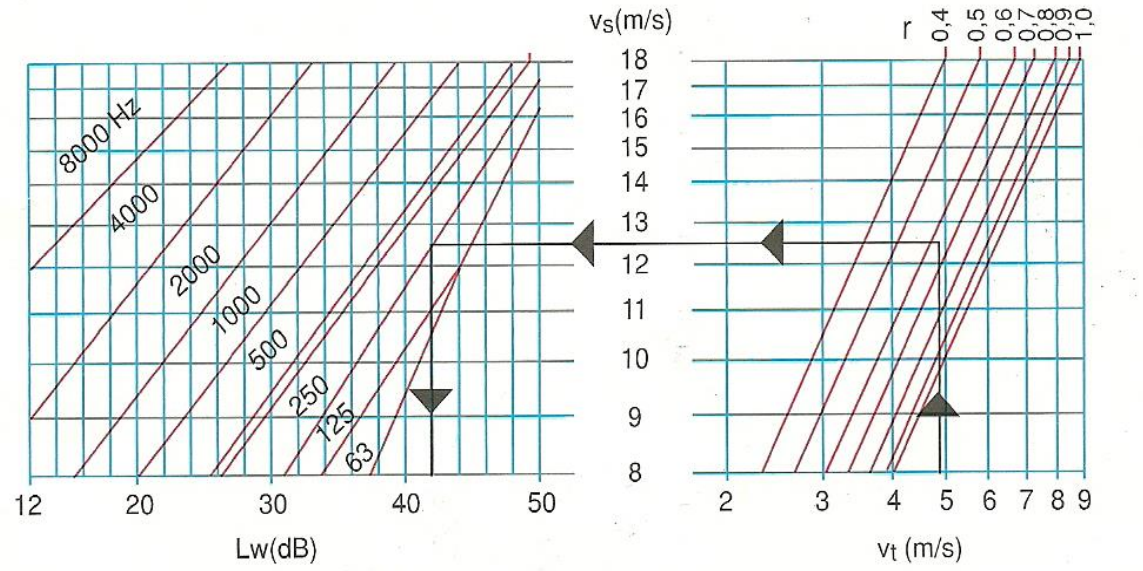
SOUND DIAGRAM FOR 100 mm CASSETTE



Sound drop depending on frequency DE (dBa) -D-100 / A 100





Refreshed vibration level drop: Lyeni = Lw + K

K values will be taken from the table below depending on the cross section area perpendicular to the flow.

F=W*H (m2)	0,06	0,1	0,25	0,75	1,0	1,25	1,5	2,0	3,0	4,0
K(dB)	-12	-10	-6	-1	0	+1	+2	+3	+5	+6

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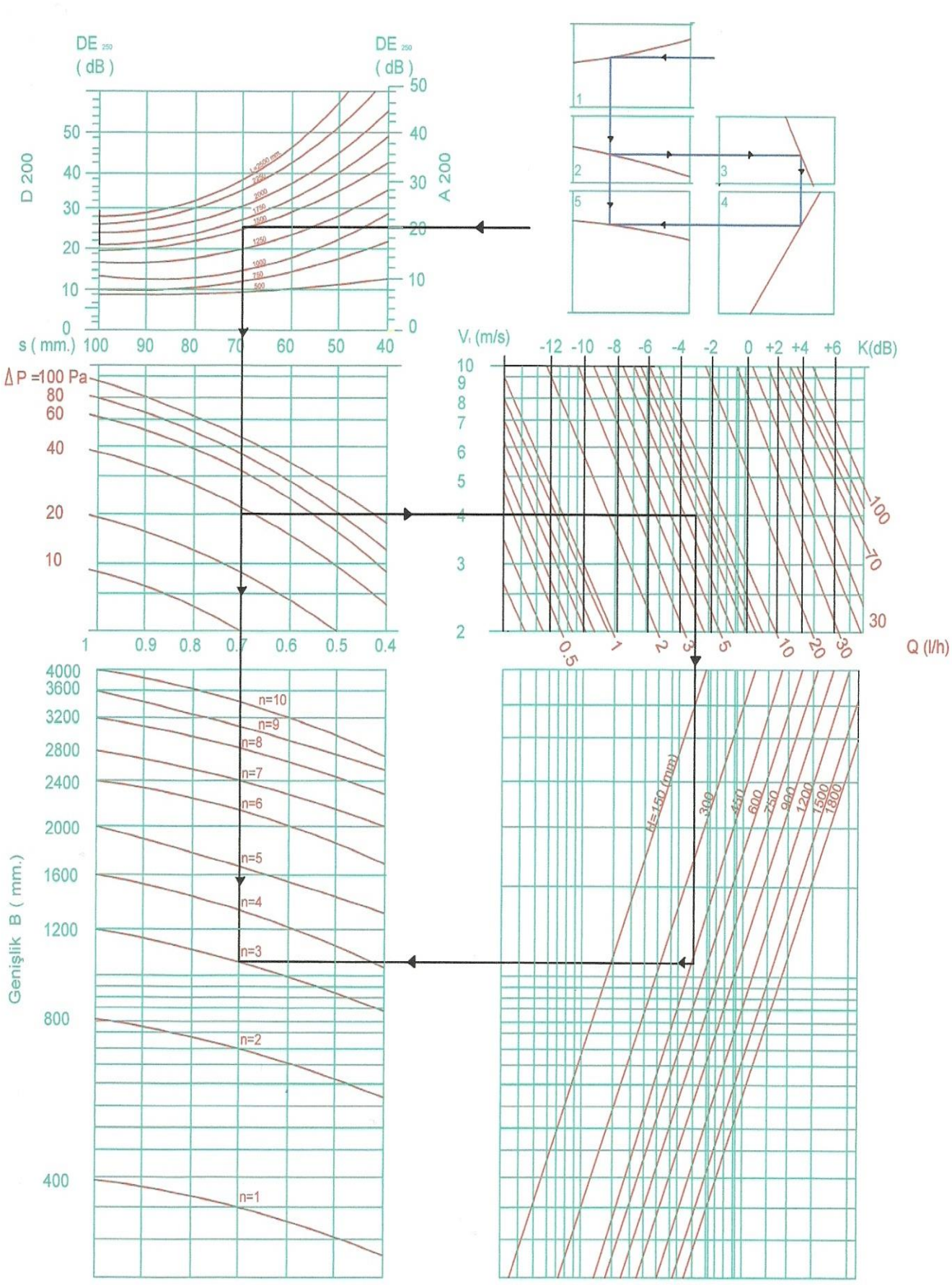
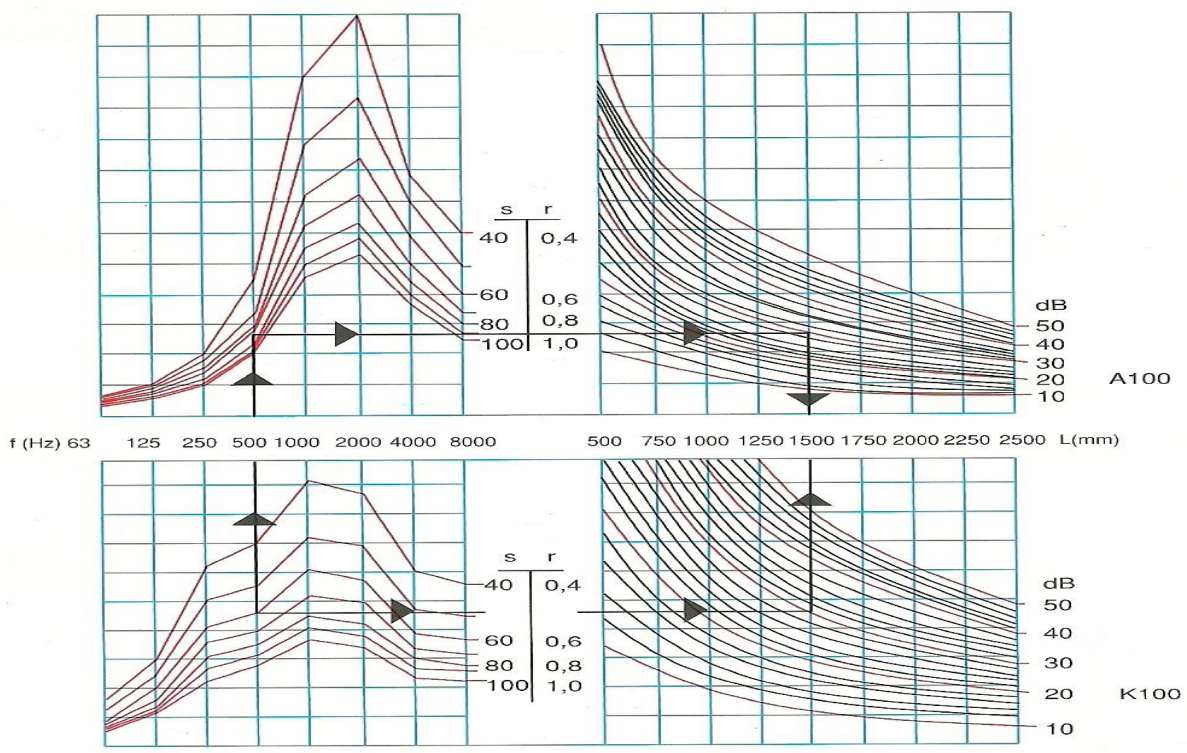
SOUND DIAGRAM FOR 200 mm CASSETTE

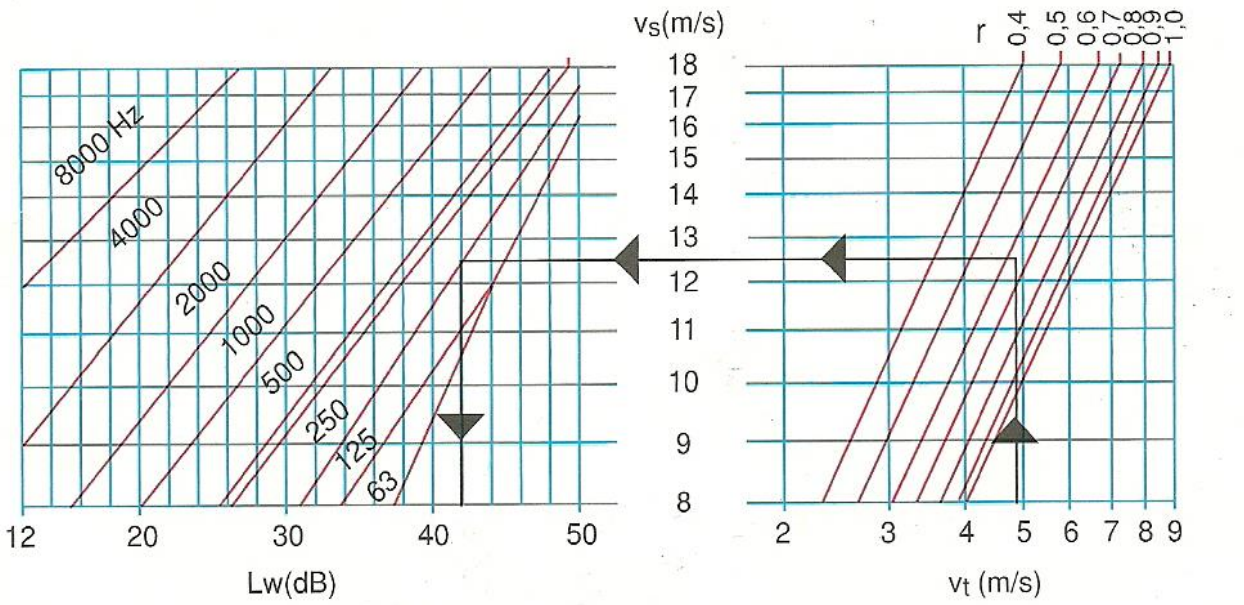


CENKAY TEKNİK

Sound drop depending on frequency DE (dB) -D-200 / A 200



Corrected sound drop (Lw) depending on frequency



Refreshed vibration level drop: Lyeni = Lw + K

K values will be taken from the table below depending on the cross section area perpendicular to the flow.

F=W*H (m2)	0,06	0,1	0,25	0,75	1,0	1,25	1,5	2,0	3,0	4,0
K(dB)	-12	-10	-6	-1	0	+1	+2	+3	+5	+6