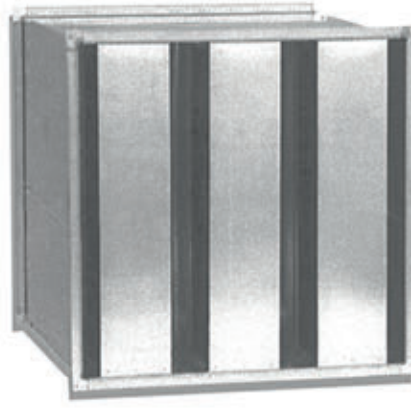


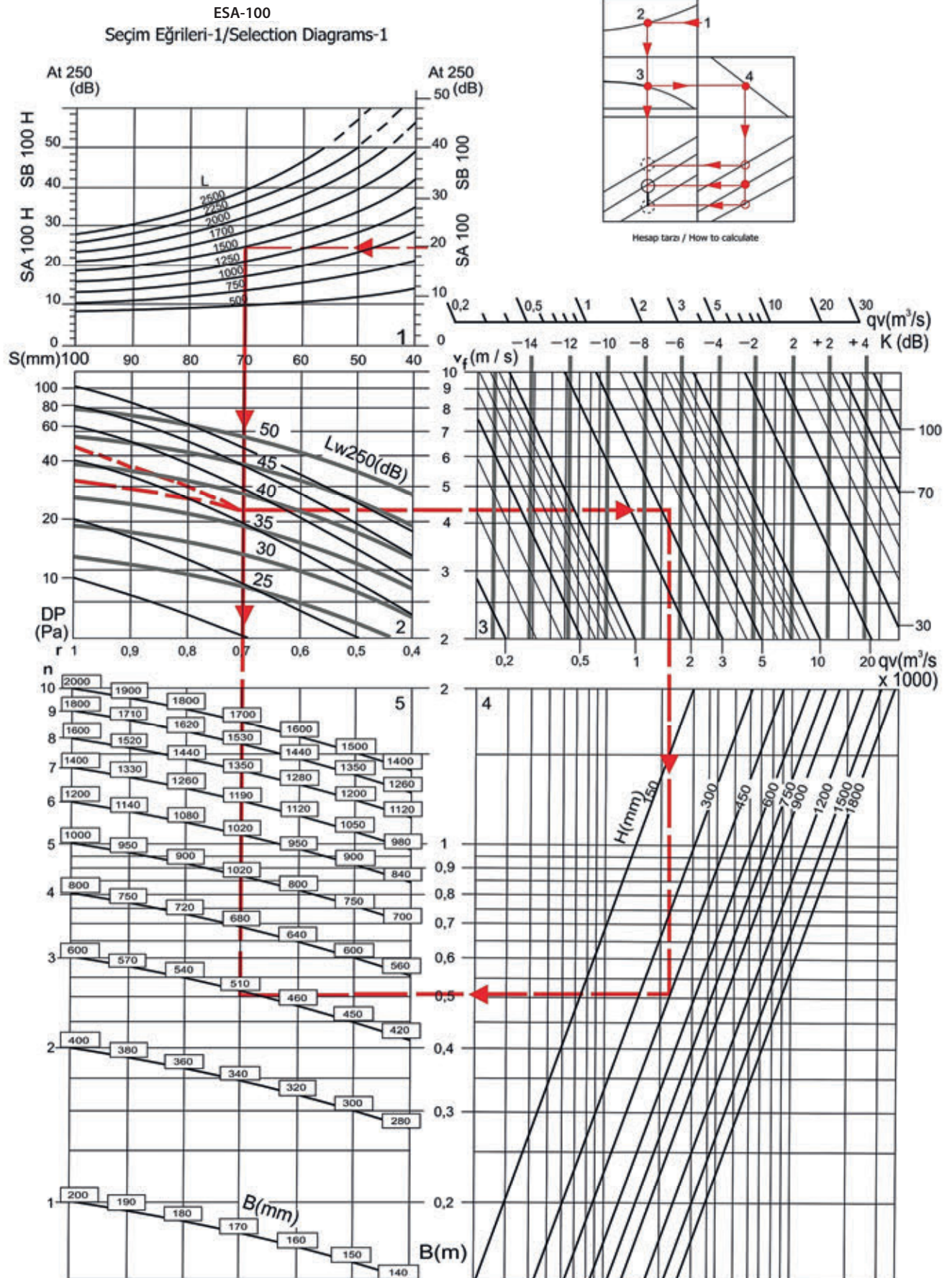
DİKDÖRTGEN KESİTLİ KANAL TİPİ SUSTURUCULAR DUCT MOUNTED SOUND ATTENUATORS WITH RECTANGULAR CROSS-SECTION



ESA serisi susturucular vantilatör ve aspiratör gibi havaya hareket veren elemanlarla kanallarda muhtemel aşırı hızdan kaynaklanan sesin seviyesini standartlarda müsaade edilen seviyede tutmak, gereğinden fazla olan ses şiddetini sönmölemek için tasarlanmış elemanlardır. Dikdörtgen kesitli ve yuvarlak kesitli olmak üzere iki ana tipte üretilmektedirler. Dikdörtgen kesitli olanlar 100mm bölme kalınlığı ve 200mm bölme kalınlığı olmak üzere iki tiptedirler. 100mm'lik bölmeli susturucuların yerleştirilmesi 40 ila 100mm aralıkla, 200mm bölme kalınlığında olanların yerleştirilmesi ise 80 ila 200mm aralıkla yapılmaktadır. Susturucuların tamamının gövde, bölme ve flanşları galvaniz sacdan yapılmakta, dolgu malzemesi olarak 50kg/m³ yoğunlukta, preslenmiş camyünü kullanılmaktadır. Satırlar ilaveten fibrocamlı ile kaplanmış olup 20 m/s hava hızına dayanabilmektedir. ESA modellerinde bölme yüzeyinin yarısı perfore malzeme ile diğer yarısı ise galvanizli sac ile kaplanmaktadır. Diğer modeller de susturucu sathının tamamı perfore malzeme ile kaplanmaktadır.

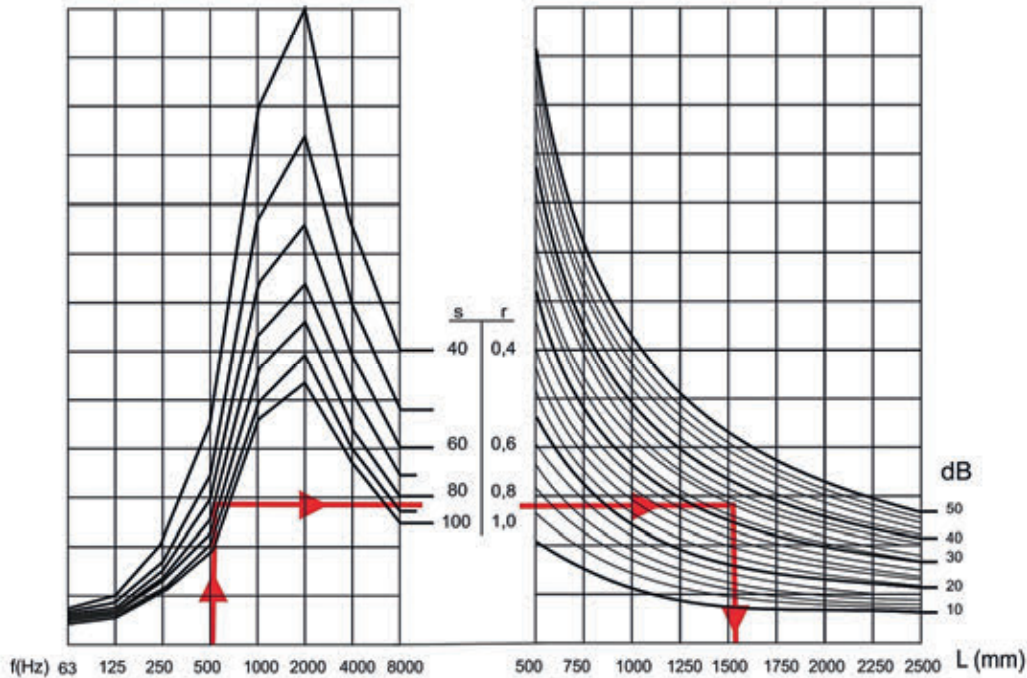
The ESA series attenuators are designed to prevent the sound generated by the moving parts such as fans into the premises above the levels permitted by codes and standards and to attenuate excess sound power. They are produced in two main versions namely as with rectangular cross-section and with circular cross-section. Those having rectangular cross-sections are produced having baffles either 100mm thick or 200mm thick. The spacing of baffles range from 40mm to 100mm for the 100mm thick baffles and 80mm to 200mm for the latter. In addition to these sound attenuators designated ISA100 and ISA200, there are also attenuators with circular cross-sections namely YSA and DSA. The YSA models are produced from 80mm up to 400mm and they have attenuation material on the inner surfaces of the outer walls. The DSA models have an additional circular insert to increase the efficiency.

The casing, the baffles and the flanges are produced from galvanized steel sheets of sufficient thickness in all of the models. The attenuating material is pres-formed glass-wool with a density of 50kg/m³. Their surfaces are covered with fibre glass that enables them to withstand air velocities up to 20 m/s. In the ESA model attenuators half of the baffle surface is covered with rolled galvanized steel sheet and the other half with perforated material. In all of the other attenuators the inner surface is covered with perforated material.

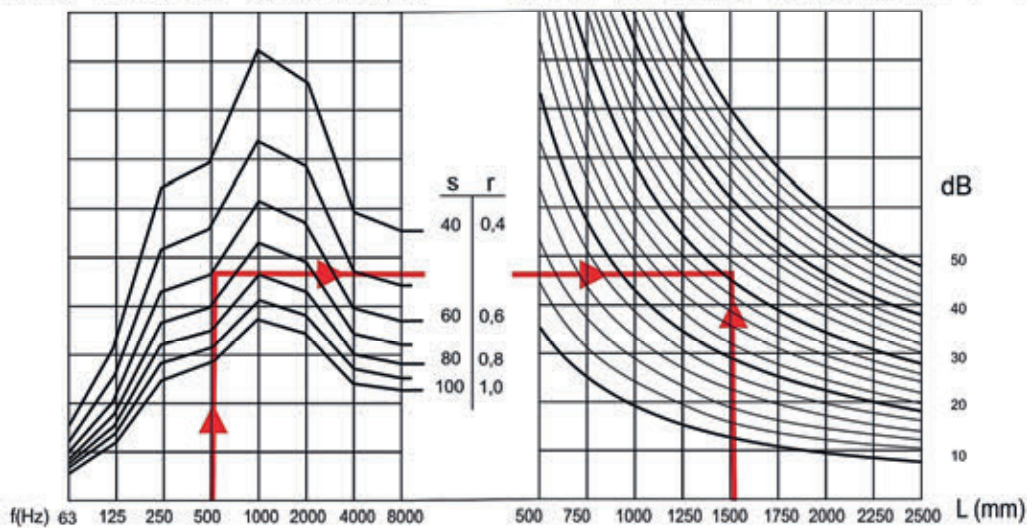


ESA-100

Seçim Eğrileri-2/Selection Diagrams-2



ESA-100S



ESA-100H

Regenere ses: $L_{wf} = L_w + K$

Regenerated noise: $L_{wf} = L_w + K$

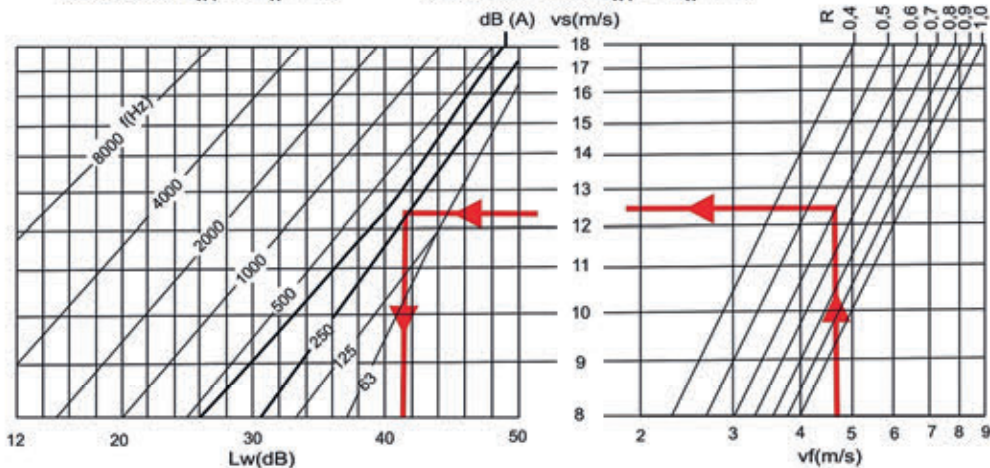
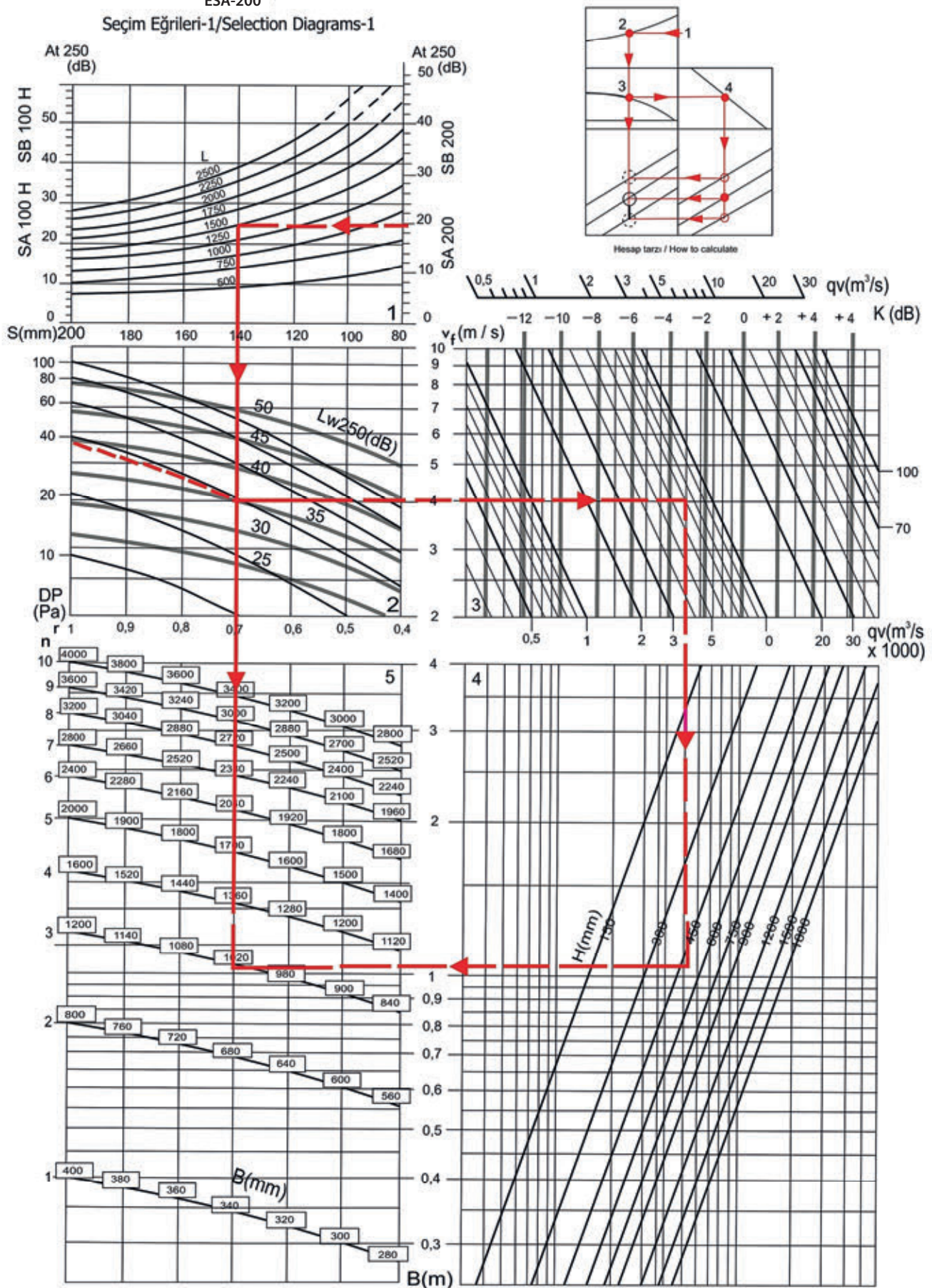


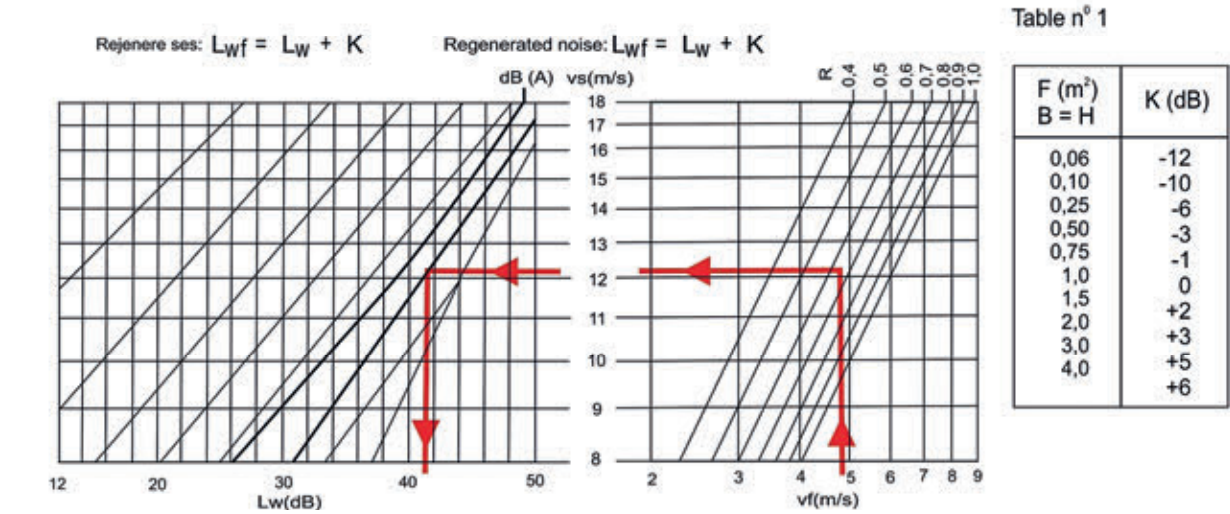
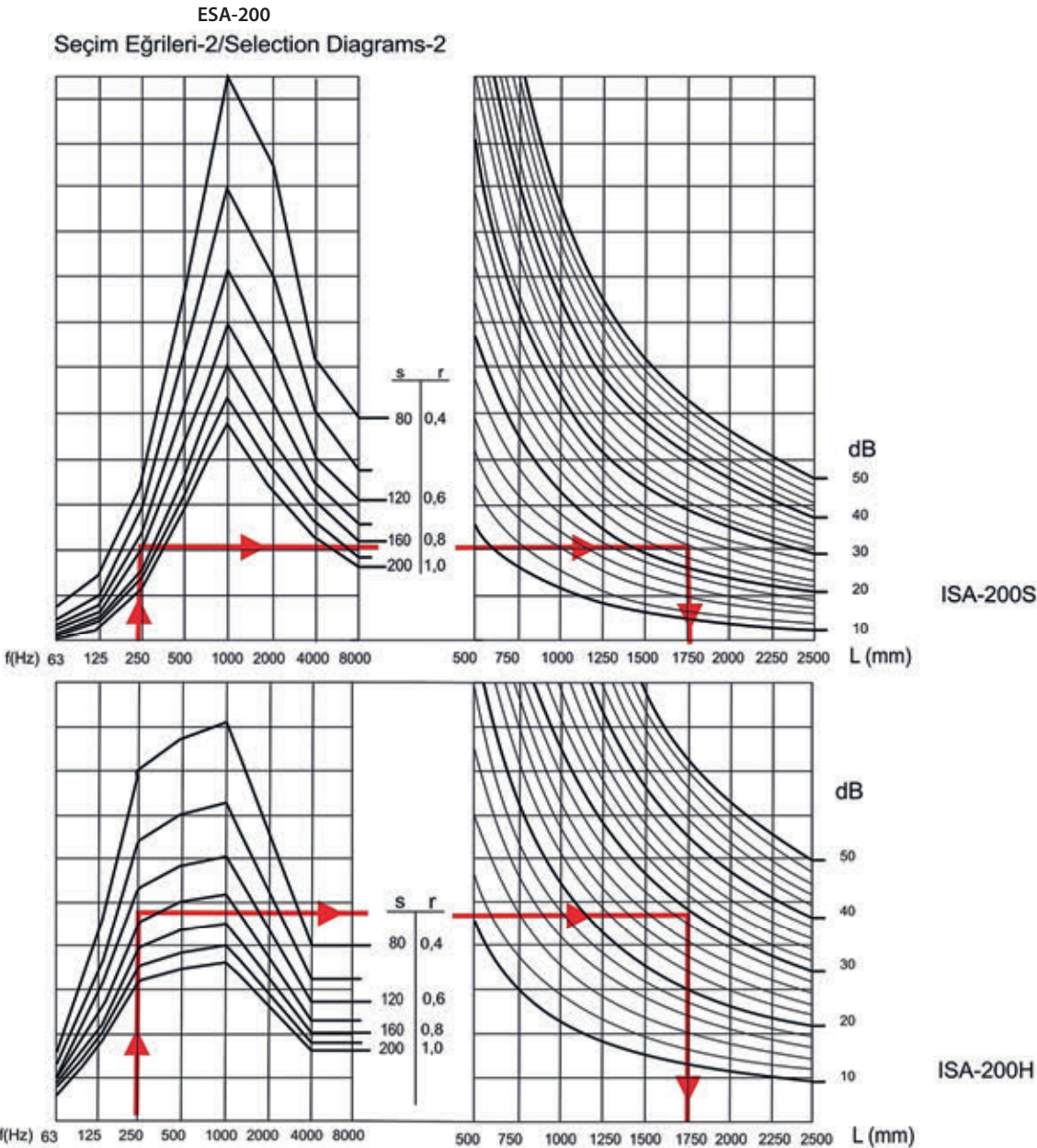
Table n° 1

F (m ²) B = H	K (dB)
0,06	-12
0,10	-10
0,25	-6
0,50	-3
0,75	-1
1,0	0
1,5	+2
2,0	+3
3,0	+5
4,0	+6

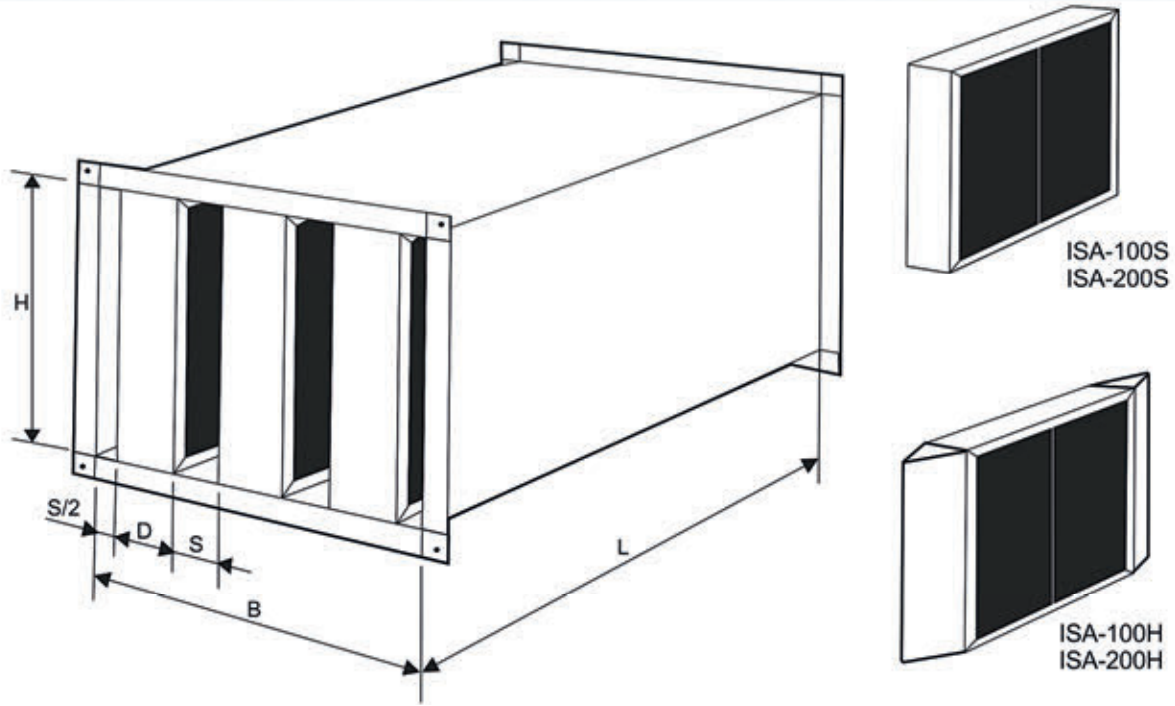
ESA-200

Seçim Eğrileri-1/Selection Diagrams-1





ÖLÇÜLER / DIMENSIONS



SİPARİŞ NOTASYONU / HOW TO ORDER

