



Model Name in Specification
for Mass Production

N20-2

To improve the high-pitched tone range

Adjustment of acoustical system, which is generally unavailable in 2-magnetic pole type balanced armature unit due to its mechanical construction, has been well achieved thanks to unique features of N20, and such the modified model is temporarily named No20 (Rev. 2).

Modifications done are

Mechanical system of 1-magnetic pole type balanced armature unit, which has higher conversion factor than that of 2-magnetic pole type balanced armature unit, remains unchanged from that of N20.

Sound capacity in the rear of the driver unit has been decreased by about 70%, and acoustic impedance on acoustic equivalent circuit has been increased. These modifications have contributed to reproduction of higher frequency range.

It is a human being that finally listens to and evaluates the sound. Therefore, the quality of sound has been monitored and confirmed in such the situation, and the inertance in aluminum case has been increased about four times to get the balance of hearing.

From engineering point of view, an increase in inertance is of disadvantage against reproduction of higher frequency range, but through much of our monitoring result, such the value of inertance has been finally determined as appropriate.

You are recommended to experience the result that the sound quality has been changed only by adjusting the acoustic system.

Besides this Rev. 2, we have other technically improved models named Rev. 3 and Rev. 4 that are based on Rev. 2 and have been enhanced in lower frequency range, which shall be introduced at another opportunity.