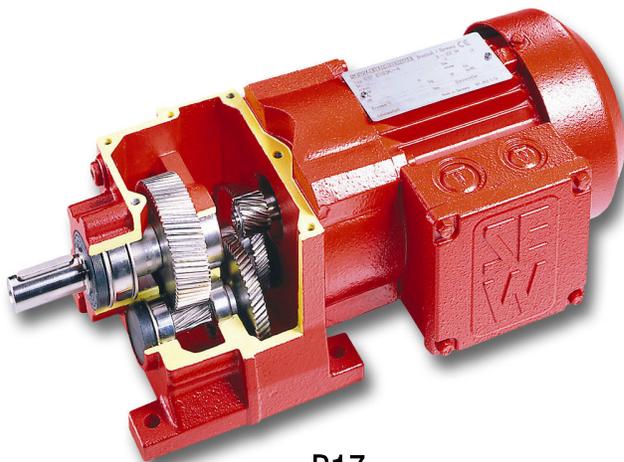


# Technical Note

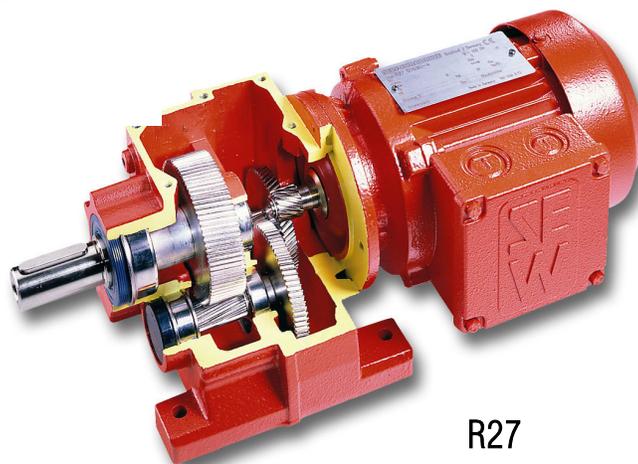
## R17 – 27 New Design

The new design of the R17-27 reducers uses cast aluminum alloy for the housing. The cast aluminum alloy results in an overall weight reduction of up to 23% compared to the former cast iron version. Additionally the cast aluminum alloy is more efficient at conducting the heat generated from frictional losses when the reducer is in operation.

The sump temperature of a fully loaded R17 and R27 reducer does not exceed 60°C. As a result of the low sump temperature the life of the mineral oil in the reducer is extended. The minimum life of the mineral oil has been calculated to 4 years. Therefore, based upon this information the reducer is considered to be “lubed for life” when operated in any mounting position, and the oil is filled to the proper level.



R17



R27