

4.2 Actual state in numbers

To understand the current situation the first thing to do is look into the database provided by TitanX, more specifically into their planning and then the information regarding how well the plan was followed. The authors of the thesis took all the data points with dates between February 2014 to December 2017 and reordered them in a more organized way for the projects' purposes, creating their own case database. Every case study project should aim to develop a formal and presentable database that will increase remarkably the reliability of the study (Yin, 2009).

To kick off it is important to understand the type of information that the database provides. It includes information about the planning done weekly by the planner at TitanX, furthermore it includes information on how well the plan was followed at the end of the week. First it might be interesting to understand the volumes of production that TitanX manages yearly and how it is distributed within their product mix. Figure 24 shows the total volume produced distributed by products. Every product has been coded with a letter and three different families have been defined. The "A" family is the Green part, and it represents 80% of the total production, while the "B" family is the salmon coloured region and represents the 20%, the rest is almost insignificant in terms of production units. This study will focus mainly on product family A.

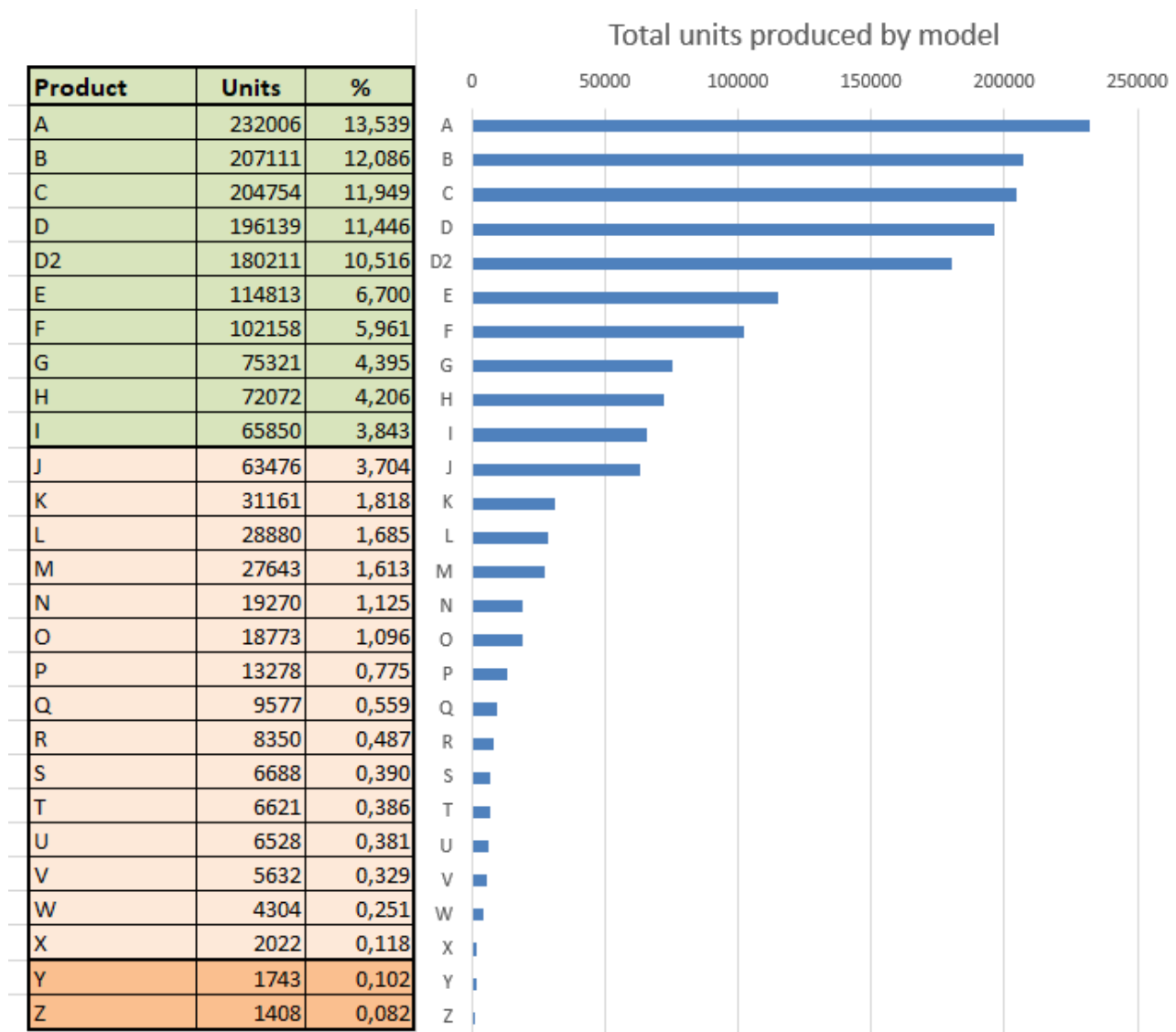


Figure 24 Product distribution