Machine Drawing Project

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Entry No.: 2022MEB1317

TITLE

To make centrifugal fan blower model using CAD.

OBJECTIVE

The main objective of this project is to get more friendly or use to with CAD software like AutoCAD, fusion360 and solid works etc., by making a model of centrifugal fan blower.

DESCRIPTION

Centrifugal fan blower is a mechanical device that offers versatile airflow control, cooling, or exhaust functions by uses high-speed rotating impellers. It operates by drawing air into the centre of the unit and then propelling it outward at increased velocity, generating consistent and efficient air movement.

The model made in the project consist of two parts which is its body and fan/turbine. Both are made of brushed galvanized material. Whole model is made by using sheet metal of thickness mainly 4mm or 2mm. Features like Base flange, Lofted bend, edge flange, swept flange, boss extrude and extrude cut etc, are used. At the end both parts are assembled in fan will go inside the whole body.