

Where the RM420 is being placed at the bottom of a rack, ventilated air space may be provided naturally by the design of the rack, and it may be possible to omit the lower 1U space. An equivalent situation could exist at the top of a rack.

Similarly the rear panel venting must not be obstructed.

INSTRUCTIONS FOR TTI 19 INCH RACK KIT TYPE RM420 FOR QPX600

The RM420 rack mount kit is designed to accommodate one instrument centrally in a tray for a standard 19" wide rack. Two vent panels are provided for fitting to the tray either side of the instrument.

It is strongly recommended that side supports are used with the tray. The simplest scheme is to fit fixed side rails to the enclosure; the rack kit is supplied with adjustable side support brackets designed to rest on the side rails. Alternatively, if telescopic slide supports are used, the tray should be drilled and assembled with the side supports before the instrument is fitted to it.

To prepare the instrument for fitting to the tray turn it upside down so that it is lying on its top face, spaced from the bench-top by at least 25mm, see Fig 1. Remove the 4 screws which hold the feet; the screws retaining the tilting front feet are accessed by first prising out the self-adhesive rubber inserts in the moulded feet.



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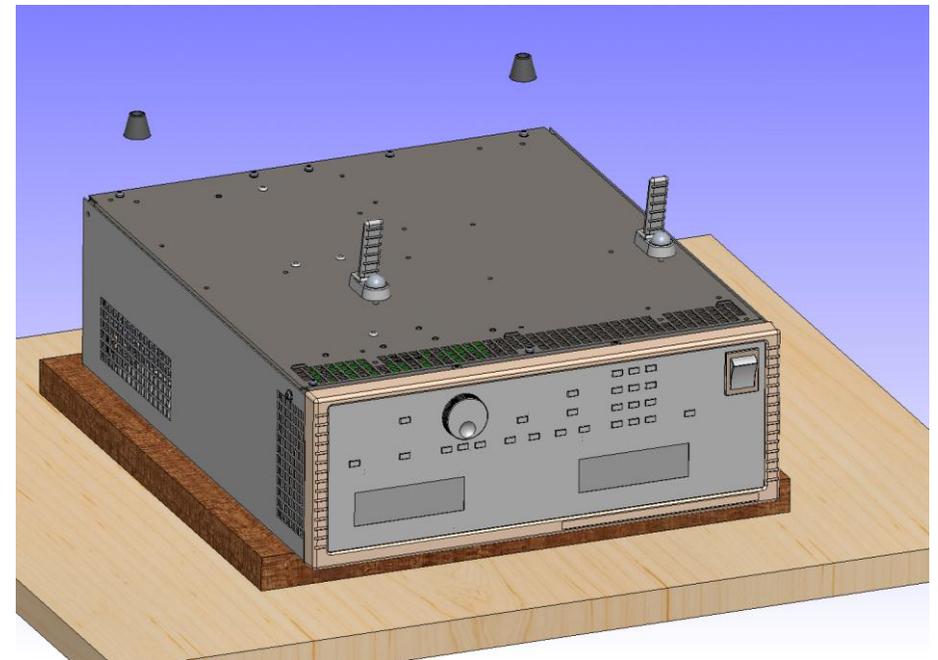


Fig. 1

Fit the two side support brackets to the tray using the M4 countersunk screws and nuts, see Fig 2. Try the empty tray in the rack and adjust the positions of the support brackets such that they each rest on a support rail in the rack as near to the vertical side of the rail as possible. Remove the tray from the enclosure.

Fit the vent panels to the sides of the tray using 4 of the M4 countersunk screws provided and lay the tray over the instrument with the front edge of the tray aligned with the moulded bezel of the instrument. The screw-holes for the feet should line up with the appropriate holes in the tray; secure the instrument to the tray with 4 of the M4 countersunk screws provided.

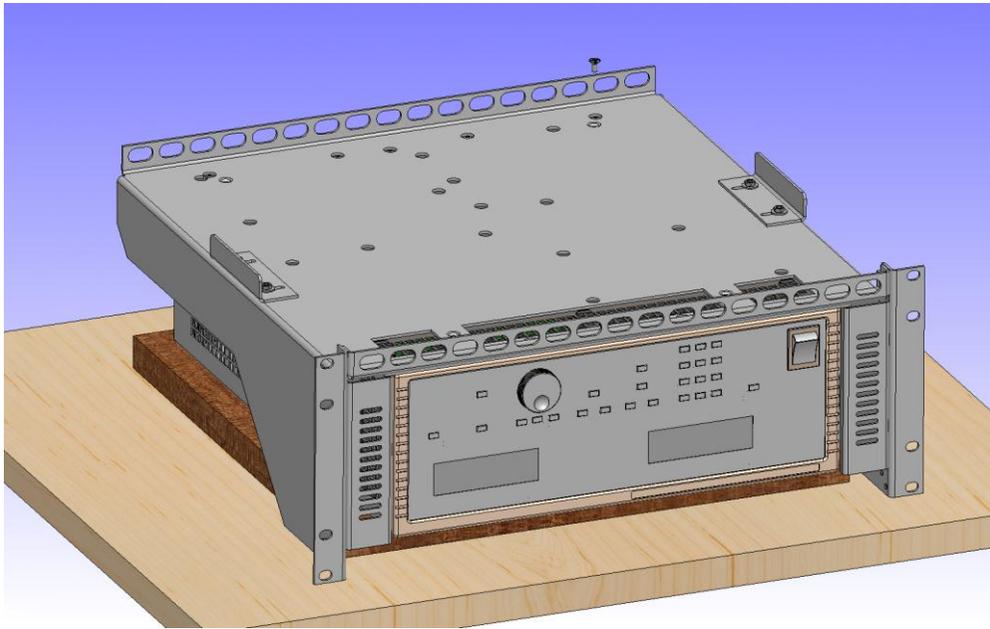


Fig. 2

Turn over the rack and fit the top support bracket using the M4 countersunk screws supplied, making sure that the venting holes are in the vertical face, see Fig 3.

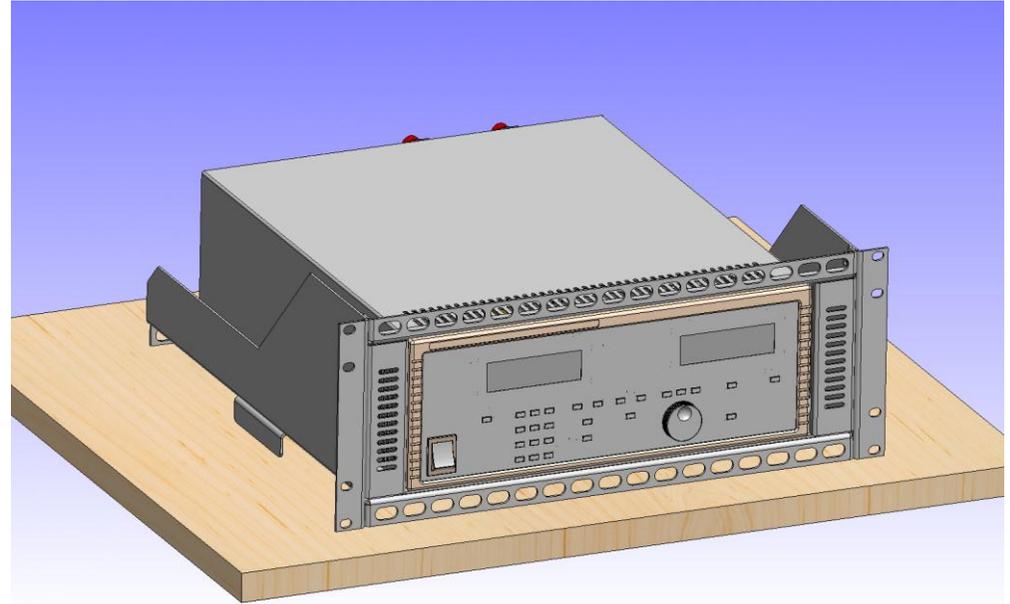


Fig. 3

Fit the rack to the enclosure, ensuring that cooling requirements discussed in the following section have been fully considered and implemented.

Cooling Considerations

The QPX600 has ventilation intakes at the front of the instrument which must not be restricted. The RM420 rack mount provides a ½U ventilation space above and below the instrument which will be sufficient under typical conditions. However, if the instrument is predominantly used at any combination of full power, maximum output current, minimum AC input and high ambient temperature it will be prudent to ensure adequate airflow by using a ventilated 1U spacer above and/or below the RM420.