

Bulletin # 7

MECHINCAL SPACE NIGHTMARE

For decades, mechanical contractors have been forced to install HVAC equipment in inadequate mechanical spaces.

Why? Because the added square feet adds a few more dollars to building costs. Consequently the client saves a few dollars on construction costs but over time the operating and maintenance costs quickly eat up those savings. How it does is simple.

Air flow and service are compromised in most applications. When cramming a system in a small mechanical room, the ductwork gets compromised choking down the air flow. The result is the system has much longer run times to satisfy the thermostat plus the tight duct transitions increase air noise.

Second, all systems need service and when a tech has to replace a compressor or fix a leak with no access because the unit has walls around, a great deal of extra time is involved and at \$90.00 an hour, adding a few extra square feet of mechanical space would pay dividends for decades.

So the space is too small, now what? We'll put the unit on the roof. Well contrary to popular belief, rooftop installations are NOT the least expensive option. Rooftop equipment is subjected to the outdoor weather conditions and history has shown that these systems get inadequate attention when being serviced especially in northern climates and specifically in the winter season.

Put a tech on a roof in Michigan at 0 degrees, high winds and blowing snow. Is he going to take time to do the forensics needed to service the system properly? He finds a leak and has to reclaim the refrigerant, repair the leak, pump it down then get a bucket of hot water to put his jug in to recharge the system. Get the point? Many service contractors actually like rooftop units because they are in constant need of service and create a consistent revenue stream.

Yes- larger equipment takes up more room however when you do the numbers the costs of installation, craning, and the additional 30-40% in maintenance fees over time, a few extra feet has a tremendous ROI.

DXair builds large modular dehumidifiers up to 60 ton that fit thru a 36" door. Inside installations also dramatically increase the lifespan of the equipment.

The Perfect Balance of Water and Air

DXair Dehumidifiers are designed exclusively for use in all indoor swimming pool applications: from lap pools, schools, large hotel/resort indoor swimming pools, where humidity needs to be controlled with dehumidification to prevent deterioration of the pool enclosure.

For more information,
contact DXair. 800/514-7051