Frequently Asked Questions
Dragon X2 Mobile Furnace

How many air exchanges are you looking for traditionally when working with heat and air exchange systems?
Typically four air changes per hour will be sufficient. However, this is highly dependent upon two factors: (1) the evaporation rate and (2) the amount of moisture in your makeup air. The greater either of these factors, the higher the rate of exchange required.

Is the goal to have inside and crawl space temperatures close to the same when ducting to both areas?
There is benefit to having some temperature differential, if you are trying to influence the movement of moisture in a particular direction. In most cases, however, this is irrelevant. Your goal should be to have the moisture leave in all directions, thus your temperatures should be reasonably warm on all sides of the material. However, crawl spaces can generally tolerate higher temperatures because of the type of construction and materials. Indoor spaces have more temperature limitations dictated by the finished materials, fixtures, and contents present.

What's the maximum heated temp delivered?
The maximum heat that the Dragon X2 will deliver will vary depending on (1) the volume of air being heated, (2) the rate of air exchange, (3) the length of ducting used, (4) the temperature of intake and makeup air, and (5) the rate of temperature loss through the assemblies and structure. Because of the number of factors listed here, the maximum temperature will vary depending upon the application.

What is the lowest temperature in which the Dragon X2 will run – any issues with running at ambient temperatures below 0? What diesel additive can you use?
In temperatures below 23°F (−5°C), diesel tends to thicken and may block the fuel filters. To improve fuel flow characteristics in cold temperatures, a mixture containing up to 15% kerosene may be used. The Dragon may be operated with higher percentages of kerosene up to 100% kerosene, but this requires special adjustments. Contact Dri-Eaz Service at 800-932-3030 for instructions.

Note: In normal operating conditions (above 30° F or 0° C), the rain shield should be removed when operating the Dragon. However, when operating the Dragon in extremely low outdoor temperatures (below 30° F or 0° C) the temperature of the outlet air can be increased by leaving the rain shield in place during operation. Note that this configuration restricts airflow and will reduce the Dragon's CFM output.

How do I prevent reaching dew point in the wall cavities, etc. when heating the indoor environment during drying?
If you are using exceptionally dry outdoor air as a makeup, then this problem is less significant. Regardless, if this issue is evident, ventilation of the cavity with warm air is the best counter assault for dealing with cool, hidden materials. Incorporate an InterAir Drying System (like the DriForce®) into your setup to address this. The key is the monitoring and inspection. Materials within assemblies where this is a risk should be investigated and the moisture level should be

measured. If this issue results in wetting of cool surfaces, measuring moisture levels will definitively confirm it.

Where is the inlet connection and how long are the ducting lines?
Three 25 ft. lengths of 8-inch heat resistant ducting are included with the unit. If fan-forced recirculation is desired, 12 in. ducting may be attached to the inlet (located on the front of the unit), using an accessory inlet ducting ring available for purchase from your Dri-Eaz dealer (part no. 13-01615). Secure the ring with 1 in. screws.

When ducting into living space do you exhaust out window or dehumidify?
This depends upon your installation, the quality of the outdoor air and your ability to access it. If you want a better temperature rise, you could "re-circulate" the air in the building (duct air from the building back to the Dragon X2 using a Vortex axial fan with 12 in. ducting such as Sto & Go Ducting), then use dehumidification as your water removal method (e.g., closed system with supplemental heat).

How many BTUs does the Dragon deliver?
100,000 BTUs

What is the weight of the unit?
2000 pounds GVW

What's the noise level of the Dragon X2?
The Dragon X2 is relatively quiet – most noise originates from the 1500 CFM blower. Its noise level falls well below any restrictions that may exist in residential neighborhoods.

What is the cost?
$7495 is the suggested list price (US$).

How are insurance companies likely to view paying extra for heat?
The use of supplemental heat will be accepted by the insurance carrier if it has been properly justified by the restorer. There are many success stories related to heat drying and insurance acceptance, and they all center on proper documentation and justification. Educating the adjuster you work with is one of the most valuable components of the communication process related to any new technique and may be needed alongside your documentation.

Is the Dragon X2 covered in Xactimate? The Dragon X2 (like all drying equipment) is not listed specifically in Xactimate. The Dragon X2 is the first trailer-mounted indirect-fired heater of this BTU output, so Xactimate will have very little pricing data on the unit. All market forces considered, it will likely generate $450-$500 rental per day. When setting the rental prices for your company, take overhead, maintenance, profit, labor as well as other factors into account.

Have a question of your own? Give us a call!