

Urban Search & Rescue Trailer



SOUTH JORDAN CITY FIRE DEPARTMENT

South Jordan, Utah

To provide for the safe and efficient storage, transportation, and deployment of their vast array of technical rescue equipment, the South Jordan City Fire Department has purchased a 2007 custom 41' Hackney Trailer. While the unit was primarily designed to support rescue operations at a structural collapse incident, it also includes a huge complement of tools, equipment and supplies to support the team during machinery extrication, high angle, confined space, water, ice and/or trench rescue operations. As it relates to USAR, it is an all-hazard response unit.

The trailer features more than 1,650 cubic feet of storage, beverage trailer style roll-up doors, 40 trays, shelves and/or drawers, two vertical tool boards, and three fold down ramps to assist with the safe loading and unloading of a Stanley Hydraulic unit, Petrogen torch kit and pump jet boat motor. South Jordan also included a Cummins Atlantic 20kw diesel generator, multi-directional NightScan light tower, six 6,000 psi breathing air cylinders with fill station, MagnaFire fixed and portable flood lights, several 10,000 lb. anchor points, electric awnings with wind sensors and automatic retraction, a 240V 30 amp outlet to support a portable plasma cutter, and multiple electrical, utility air and breathing air cord/hose reels.

With a Caterpillar C-13 410 hp engine, and Allison 4000 EVS transmission, the Freightliner M2-112 tractor provides plenty of pulling power. The tractor also provides utility air for



breakers, air bags, struts and other air tools from a frame mounted 185 CFM PTO compressor, 20 gallon gasoline refueling station, and a 40 gallon water tank with electric pump to assist with various cutting operations or a rapid decontamination of personnel &/or equipment.

The electrical system is fully multiplexed between the tractor and trailer. A full color VISTA graphics screen in the cab controls all emergency lighting, scene lights, PTO as well as provides warnings and pertinent chassis and trailer data such as serial numbers, fluid levels, recommended PM cycles and filter numbers.

This emergency response unit will serve not only South Jordan City and other Metro Fire Agency communities, but is also available to assist other agencies within the State or region as requested.



To provide maximum flexibility with storage, the department specified all side compartments located behind the 5th wheel to be 52" wide. Additionally, due to Hackney's unique drop/pinch frame design, all compartments are 43" deep from floor to ceiling. Four large roof mounted storage compartments have also been included. As a result, this tandem axle model features over 1650 cu.ft. of accessible storage capacity



A complete Paratech USAR rescue strut package and raker kit are easily stored in the transverse compartment behind the trailer axles. The rear lumber tunnel includes two stokes baskets, tri-pod, Zodiac Minuteman rapid inflation boat, trench panels and large a complement of 8' & 12' lumber. Additional 16' lumber is stored in one of the four roof mounted compartments.