

Dräger Live Fire Training Mobile Unit (MLFTU-A)

The Dräger Mobile Live Fire Training Unit can always be where it is needed. It is equipped with an on-board generator and a supply of gas cylinders. Tilt roof and second story are hydraulically lifted.



Dräger's Mobile Live Fire Training Unit (MLFTU-A) is a custom-built steel trailer body on a galvanized, structural steel, chassis with landing gear and DOT lighting.

Training area

The training area is built on approximately 300 sqft. Walls and ceilings are insulated, steel-lined and seal welded to make them water-proof. Ceramic insulation used is rated for 2300F. The flooring is grit-blasted providing an anti-slip surface. Replaceable sacrificial plates are installed for the heat shielding around the areas directly exposed to flames.

Two doors with stairs provide access to the training area of the Dräger MLFTU, and are equipped with non-binding door closers. The burn room has two windows each with latched shutters, one stairway to the roof, and one additional smaller roof hatch for confined-space entry training.

Equipment

Up to two propane fuelled simulators and one rollover simulator are supplied by two DOT cylinders, 420lb each. An additional small simulator can be added on the 2nd floor of the unit.

The props are made from heavy gauge steel. Waterbath technology protects the equipment, and effectively diffuses

the propane for a truly realistic flame appearance.

Further equipment includes automated fans providing combustion air and cooling, the smoke generation system with smoke fluid reservoir, and a 12kW (max.) rated generator.

Safeguards and control

The pilots, burners and ventilation are PLC controlled and designed to be fail-safe. The burner management system is designed to meet CAN/CSA B149.3 and NFPA 86.

Control feedback provided to the operator includes gas sensor readings, temperature, fan operational status, and other system status monitors. The human interface to the systems allows for wireless or corded operation of the main fires. Emergency stops at all exits and at the control panel, and a dead-man switch add to the comprehensive safety of the training system.

The Dräger containerized Mobile Live Fire Training Unit (MLFTU-A) is thoroughly tested for quality assurance prior to shipment and at site.

AFG Program

Dräger's Mobile Live Fire Training Units are eligible for procurement under the Homeland Security Assistance to Firefighters Grant (AFG) Program.



multi-prop
waterbath for realistic flame signature



industrial props and rollover
moveable wall system



tilt roof and 2nd story
hydraulically raised

TECHNICAL DATA

Safety

Gas detection

Temperature sensing

Flame control for pilot burners

Monitored ventilation system

Emergency stops

Dead-man switch

Waterbath protected components

PLC controlled system

Burner management system:

CAN/CSA B149.3 and NFPA 86

Training area

Approx. 300 sqft. incl. props

Up to 2 simulators, e.g. Multi-prop,

Bed/sofa, kitchen

1 rollover simulator

2 access doors with stairs

2 windows latched with shutters

1 roof hatch

1 stairwell to the roof

1 vertical removeable ladder at rear of unit

Lining seal-welded (water-proof)

Structure

Heavy gauge steel for props

Steel lining on walls and ceiling

Sacrificial plates for heat shielding

Ceramic insulation rated 2300F

Chassis galvanized structural steel with

DOT lighting, landing gear

Equipment

12kW (max) rated generator

2 propane cylinders (420lb each)

DOT compliant

Smoke generator and smoke fluid reservoir

2 air intake fans with automated control

Recognized standards include:

NFPA 1402 and 1403

UL 508

UL 147 (as applicable)

CAN/CSA B149 (as applicable)

NFPA 86 (as applicable)

Options

Hydraulically raised tilt roof

Roof ventilation prop

Hydraulically raised second story; walk-through design with 2 doors and 1 window;

Stairway access to lower level

Moveable wall system

Folding rear staircase

Exterior scene lighting

Field inspection by an

OSHA recognized 3rd party NRTL

Available props for Multi-prop

Electric motor prop

Gas bottle rack prop

Hazardous material cabinet prop

Sofa prop (included in base model)

Bed prop (included in base model)

Kitchen prop (included in base model)

Other available props

Wall breaching prop

Forcible entry door prop

Standpipe and sprinkler prop

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