



Exhaust Hood / Facility Support System



Taylor Dynamometer can design a hood style extraction system to meet the unique requirements of your facility.

Exhaust Hood for Engine Dynamometer

A hood style exhaust system does not require any engine connections, reducing the test time and labor involved with setup. If an overhead crane will be used to move engines into and out of the test cell, the standard hood style system cannot be used. A custom hood style system may be an option for use with an overhead crane; however, facility layout and other design restrictions may not allow this option.

The hood style exhaust system pulls make-up air into the test cell and removes both engine and room exhaust to ensure both proper engine operation and the safety of your personnel. In addition, a small rotary ventilator should be installed to permit the escape of any fumes not captured.

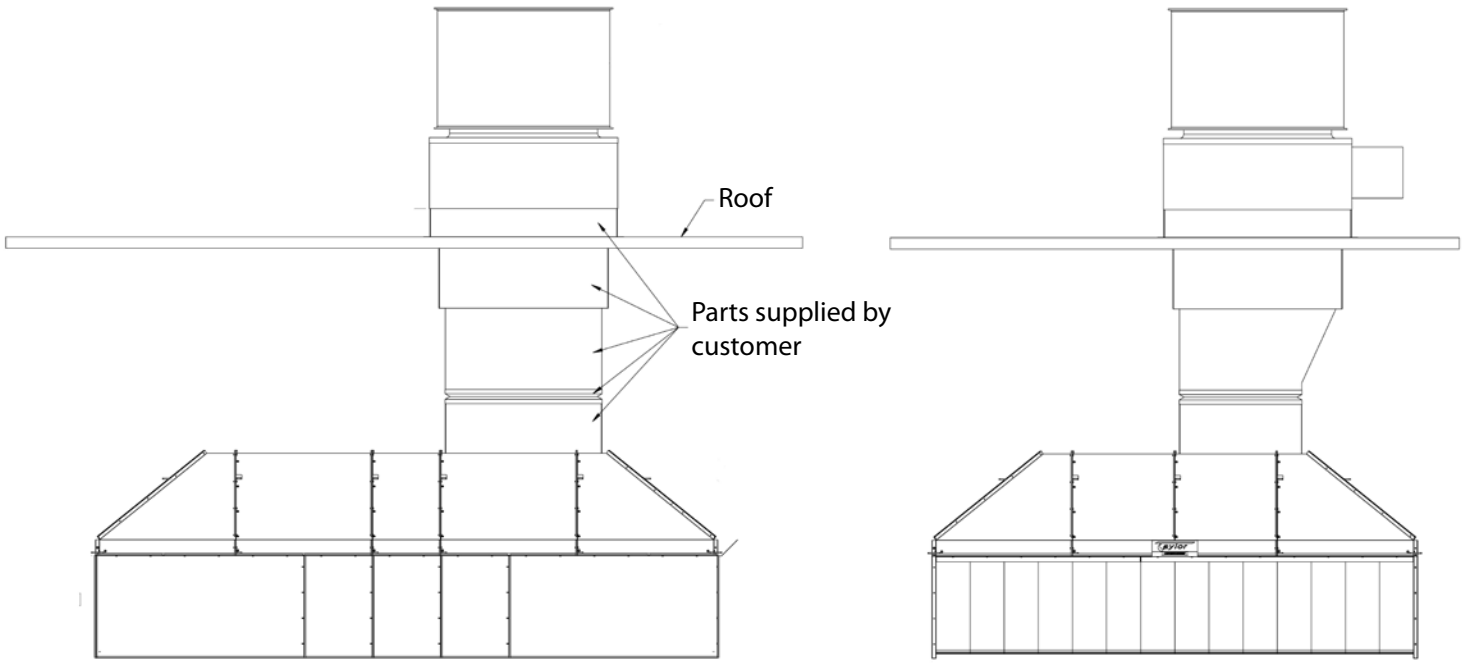
Exhaust Hood for Chassis Dynamometer

Ventilation should be provided to evacuate the room of hot air and exhaust gases and allow cool air to enter to aid in cooling the truck radiator. Exhaust Hood should be mounted at 12 ft (3.65 m) from the floor to keep it as low as possible and maximize fume extraction. The dynamometer cannot be operated with the overhead door closed

unless velocity or motor-operated shutters of sufficient area 56 ft² are used. These must be mounted in the wall approximately 6 in. (152 mm) from the floor to allow fresh air into the dynamometer room. An optional system for a horizontally-mounted exhaust stack is available.

Features

- Canopy style exhaust hood, fabricated out of steel with a powder coating
- Various hood sizes available for both Engine and Chassis applications (see next page)
- Internal baffle increases fume capture velocity
- Temperature resistant up to 1,000°F (537°C) fiberglass strips front and rear to facilitate safe truck entering and exiting
- Roof-mounted fan for chassis applications provide accessibility and easier maintenance 40,000 CFM
- Engine applications come with either 1, 2 or 3 fans (depending on the size) at 14,000 CFM
- Fan(s) comes with rain cap and gravity operated dampers
- Customer supplies roof curb, motor starter and duct from canopy



Standard Engine Sizes:

8 x 14 ft (2.43 x 4.26 m)

8 x 16 ft (2.43 x 4.87 m)

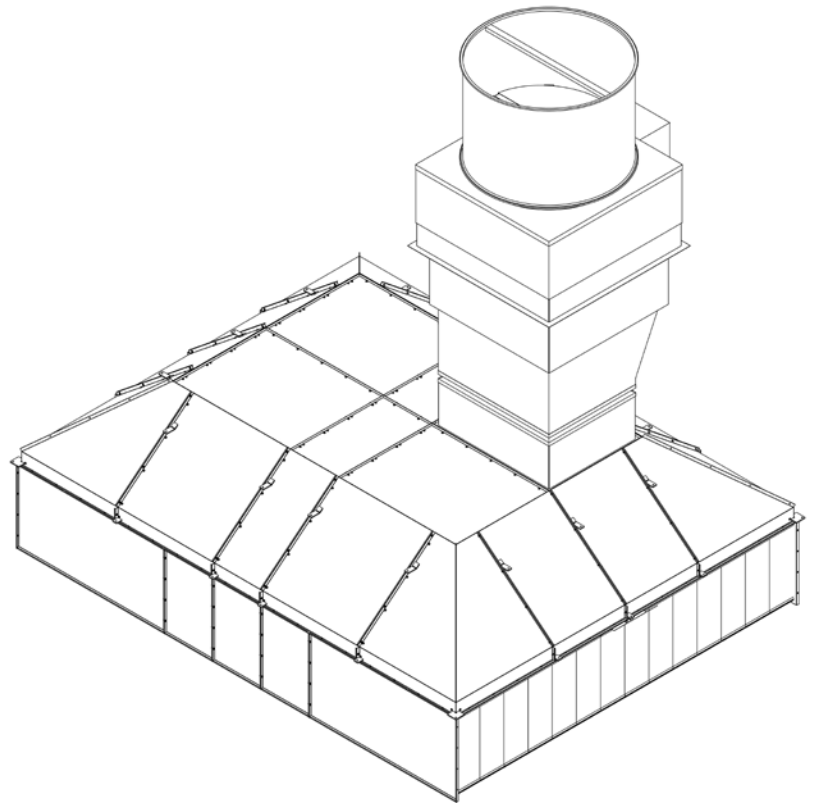
8 x 18 ft (2.43 x 5.48 m)

Standard Chassis Sizes:

14 x 16 ft (4.26 x 4.87 m)

14 x 18 ft (4.26 x 5.48 m)

Custom sizes also available



Everything you need to succeed



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