

on range hoods in the installation instructions of the appliance manufacturer, where all of the following conditions are met:

- (1) The length of the cord is not less than 450 mm (18 in.) and not exceeding 1.2 m (4 ft).
- (2) Receptacles are located to protect against physical damage to the flexible cord.
- (3) The receptacle is supplied by an individual branch circuit.
- (4) The receptacle is accessible.
- (5) The flexible cord has an equipment grounding conductor and is terminated with a grounding-type attachment plug.

Exception: A listed appliance distinctly marked to identify it as protected by a system of double insulation shall not be required to be terminated with a grounding-type attachment plug.

422.17 Protection of Combustible Material. Each electrically heated appliance that is intended by size, weight, and service to be located in a fixed position shall be placed so as to provide protection between the appliance and adjacent combustible material.

Δ 422.18 Ceiling-Suspended (Paddle) Fans.

N (A) Support. Ceiling-suspended (paddle) fans shall be supported independently of an outlet box or by one of the following:

- (1) A listed outlet box or listed outlet box system identified for fan support installed in accordance with 314.27(C)
- (2) A listed outlet box system, a listed weight-supporting ceiling receptacle, and a compatible factory-installed weight-supporting attachment fitting that is installed in accordance with 314.27(E)

The fan must be supported from the building structure if the outlet box or system is not identified to support a paddle fan. An outlet box identified for support of a paddle fan must be marked with the maximum weight it is permitted to support if the weight exceeds 35 pounds. Exhibit 422.3 shows an example of a listed outlet box used to support a paddle fan.

See also

314.27(E) and commentary, as well as commentary following the definition of the term *receptacle* in Article 100

N (B) Location. No metal parts of ceiling-suspended (paddle) fans in bathrooms and shower spaces shall be located within a zone measured 900 mm (3 ft) horizontally and 2.5 m (8 ft) vertically from the top of the bathtub rim or shower stall threshold. This zone is all-encompassing and shall include the space directly over the tub or shower stall.

422.19 Space for Conductors. The combined volume of the canopy of ceiling-suspended (paddle) fans and outlet box shall provide sufficient space so that conductors and their connecting devices are capable of being installed in accordance with 314.16.

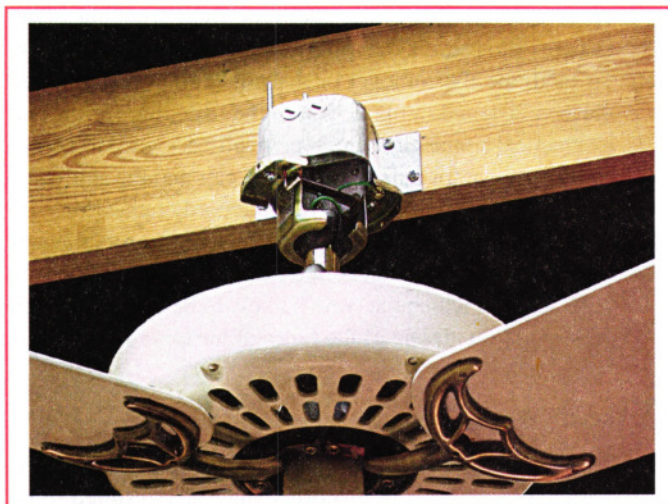


EXHIBIT 422.3 Supporting a ceiling-suspended (paddle) fan (35 pounds or less) with a box identified for such use. (Courtesy of Hubbell Incorporated)

422.20 Outlet Boxes to Be Covered. In a completed installation, each outlet box shall be provided with a cover unless covered by means of a ceiling-suspended (paddle) fan canopy.

422.21 Covering of Combustible Material at Outlet Boxes. Any combustible ceiling finish that is exposed between the edge of a ceiling-suspended (paddle) fan canopy or pan and an outlet box and that has a surface area of 1160 mm² (180 in.²) or more shall be covered with noncombustible material.

422.22 Utilizing Separable Attachment Fittings. Appliances shall be permitted to use listed weight-supporting ceiling receptacles in combination with compatible weight-supporting attachment fittings used within their ratings and used in accordance with 314.27(E).

Part III. Disconnecting Means

422.30 General. A means shall be provided to simultaneously disconnect each appliance from all ungrounded conductors in accordance with the following sections of Part III. If an appliance is supplied by more than one branch circuit or feeder, these disconnecting means shall be grouped and identified as being the multiple disconnecting means for the appliance. Each disconnecting means shall simultaneously disconnect all ungrounded conductors that it controls.

422.31 Disconnection of Permanently Connected Appliances. For appliances that do not have a disconnecting means in accordance with 422.33 or 422.34, a disconnecting means shall be provided in accordance with 422.31(A), (B), or (C).

(A) Rated at Not over 300 Volt-Amperes or 1/8 Horsepower. For permanently connected appliances rated at not over