

BID SPECIFICATIONS
ALL-TERRAIN PORTABLE PPV FAN
(1.5 HP GFCI-COMPATIBLE ELECTRIC)

1. All-terrain portable PPV fan shall have a fail-safe 20-inch, two-blade, aircraft-style propeller consisting of a vibration-dampening wood core with pressure-bonded, quadruple-layer fiberglass, and Kevlar® outer structure.
2. Fan shall have three independently adjustable, outward curving, powder-coated legs made of solid aluminum, which:
 - Allow the fan to straddle 12-inch high ground debris and be placed on stairs or uneven ground; and
 - Raises the fan's propeller at least 14 inches above the ground in order to allow aiming of the air stream over obstacles such as residential entry steps;
3. Fan shall include a:
 - 1.5 horsepower, 1800 watt, three-phase electric motor;
 - Drive/controller (inverter) that is supplied by 110V (+/-10%) single phase, with 0 to 230V three phase output to the motor, with a variable speed output of 0 to 3000 RPM (0 to 60 Hz);
4. Fan shall be:
 - Compatible with ground fault circuit interrupters (GFCI);
 - Limited to 15 amps or less, even at start-up (no initial power spike); and
 - Available with a choice of plugs: locking Nema plug L5-15 or non-locking Nema plug 5-15.
5. Fan's electrical components shall be UL listed (Underwriters Laboratories) and CSA listed (Canadian Standards Association).
6. Fan, with legs fully retracted and before any accessories are added, shall:
 - Measure 24 inches long x 21 inches deep x 24 inches high, and
 - Weigh less than 79 pounds.
7. Fan shall produce at least 10,500 CFM, which is verified by a thrust value of 8.1 pounds or more.
8. Fan's free-flowing wire guard will exclude objects larger than a 1/2-inch probe.
9. Fan shall be covered by warranties of:
 - 18 months on the motor;
 - 18 months on the fan drive; and
 - 5 years on all other components, workmanship, and materials.
10. Fan shall come with one Ultimate Door Stop which can be used in at least four different ways to hold a door open at a 90° angle.
11. Fan shall be available with the following optional accessories:
 - Small Solid Rubber Wheels and Skids, which includes two 5-inch diameter polyurethane wheels with ABEC-5 bearings, two powder-coated steel stair skids located on the front of the fan allowing for easy sliding of the fan up and down stairs/curbs, and a handle that moves straight up and down from the center of the fan.
 - Medium Flat-Free Wheels and Skids, which include two solid microcellular polyurethane foam tires with zinc-plated, two-piece steel hubs that measure 6 inches in diameter by 2 inches wide, two powder-coated steel stair skids located on the front of the fan which allow for easy sliding of the fan up and down stairs/curbs, and a handle that moves straight up and down from the center of the fan.
 - Low-pressure water Misting Ring Kit made of stainless steel, which includes a flushable 22-micron filter, eight adjustable nozzles, and operates at maximum pressure of 150 psi.