

PressureStream

Wall & Roof Mounted Powered Ventilator



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PressureStream Product Details

STANDARD FEATURES

- Fan Diameter: 36"
- CFM: 20,000
- Direct drive motor, variable pitch
- Blades: modern, fiber reinforced thermoplastic with helical twist and airfoil shape.
- Propeller Hubs: High-strength die-cast aluminum
- Housings: Galvanized steel
- 3 HP, 1160 RPM 230/460/3
- Intake or Exhaust applications
- The PressureStream can be mounted either in the sidewall or on the roof
 - Roof Mount:
 - Hood OD: 88"
 - Curb OD: 46"
 - Average Weight: 800 lbs.
 - Hinged Hood for easy Access
 - Wall Mount:
 - Housing Depth: 44"
 - Housing OD: 42.5"
 - Average Weight: 450 lbs.
- 1 Year Fan and Motor Warranty
- Bird screen: ½" mesh, 19 ga. galvanized steel
- Airflow performance modeled

OPTIONAL FEATURES

- Bird screen
- Insulated Hood
- Safety Guard Basket
- Hood Tie Downs
- 100 MPH Wind Rated Resistant Hood
- Auto Back Draft Damper
- HD Center Pivoted Damper w/ 115v/1 motor
- Removable Panel for Easy Damper Access
- Delay switch
- Transformer (208/230/460)
- Curb Cap Adaptor Max 4" + or -
- Grease Line (Belt)
- Disconnect Switch
- Coatings
 - Epoxy
 - Heresite®
 - Coal Tar
- Roof Curbs

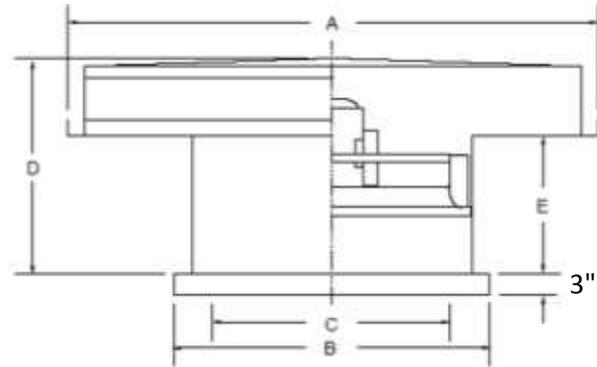
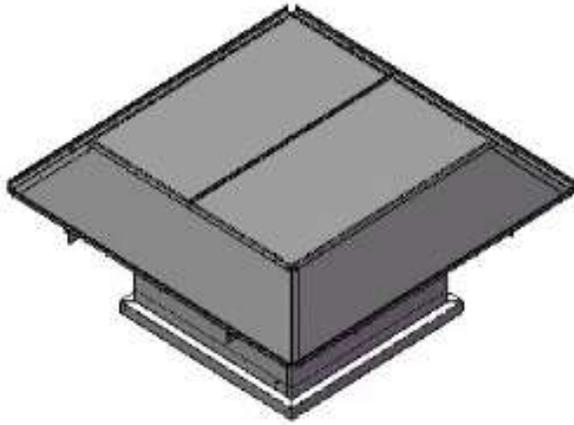
PRODUCT DESCRIPTION

The PressureStream is designed for commercial and industrial applications. It is primarily used in as the intake device in a Pressure Gravity System®, but it can be utilized for exhaust purposes as well.

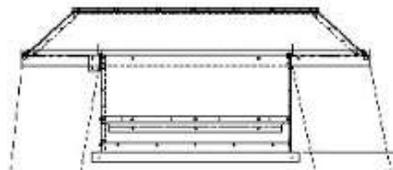
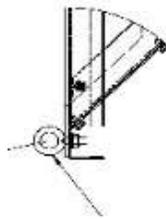
The propeller blades are modern, fiber reinforced thermoplastic with helical twist, and airfoil shape for maximum efficiency.

The propeller hubs are made from high-strength die cast aluminum and the housings are manufactured of galvanized steel. Automatic dampers close when the units are not in use. PressureStream units ship factory assembled.

PressureStream Roof Mount Submittal Data



DIRECT DRIVE



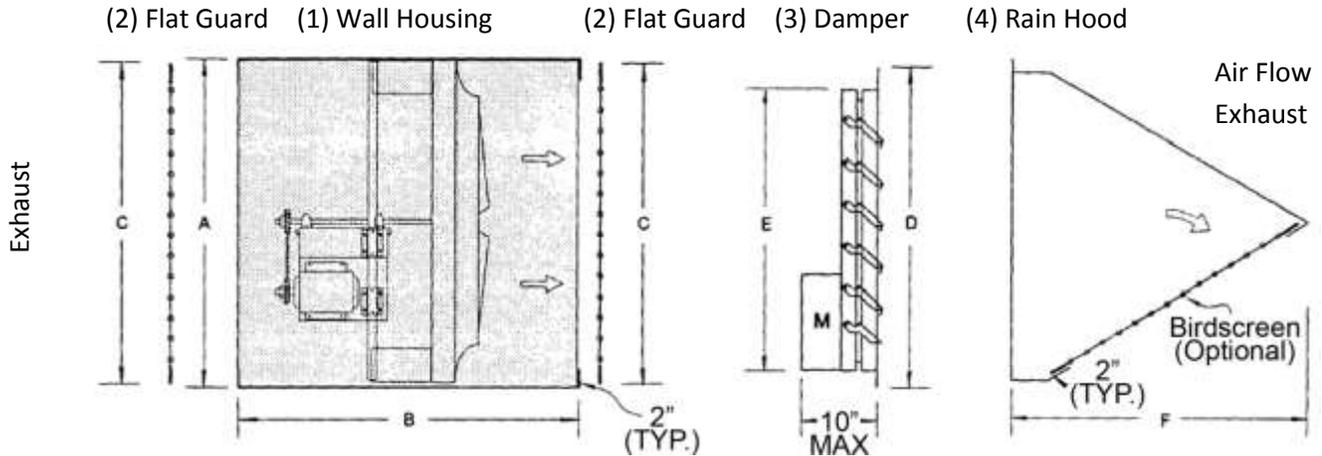
Size	A SQ O.D. Hood (2)	B I.D. Curb Cap	C Min I.D. Opening	D Height	E Stack	Prefab Curb O.D.	Metal Gauges (1)			Avg. WT.
							Crown/ Side Hood	Stack	Curb Cap	
36	78	47	42	44	23	45 ¼	18/18	18	14	440

Notes:

- All materials are G90 galvanized steel.
- Dampers mount on accessory flanges inside curbs or in the duct due to space restrictions

All specifications are subject to change without notice unless approved in submittal by Moffitt Corporation, Inc.

PressureStream Wall Mount Submittal Data



NOTE: (1)-44" long wall housing required when optional motorized damper is selected

FAN SIZE	(1) WALL HOUSING		MIN. WALL OPENING (SQ)	FLAT GUARD (2) C (SQ)	DAMPER (3) D (O.D.)	E	RAINHOOD (4) F
	A (SQ) O.D.	B LENGTH					
36	43	44	43 1/2	42	40 1/2	38	49

All specifications are subject to change without notice unless approved in submittal by Moffitt Corporation, Inc.

PressureStream Guide Specification

1.1. DESCRIPTION

Furnish and Install PressureStream Roof or Wall Fan and accessories as indicated on drawings.

1.2. QUALITY ASSURANCE

MOFFITT (Jacksonville, FL, 1 800-474-3267) Products establish the standard of quality required. Manufacturer and erector shall demonstrate a minimum of five (5) years of related industry experience.

1.3. SUBSTITUTIONS

No substitutions will be considered unless written request for approval has been submitted by the bidder and has been received by the designer at least ten (10) days prior to bid date. Any proposed substitutions should meet the standards set by specification.

1.4. SUBMITTALS

Furnish approval drawings prior to fabrication; and erection drawings prior to shipment showing all erection procedures and accessories required for the specified product.

2.1. DESIGN

PressureStream shall be heavy duty axial type oriented for exhaust or supply with accessories as indicated on fan schedule. Drive shall be direct drive. Fan shall be rated and tested per AMCA standards for air and sound performance.

2.2. CONSTRUCTION

2.2.1. Panel to be constructed of G90 galvanized steel –16ga for 24” to 48” or 14ga for 54” and 60” with precision one-piece spun venturi, and pre-punched mounting holes. Motor support structure to be welded schedule 40 galvanized pipe.

2.2.2. Propeller to be extruded or cast aluminum airfoil blades on steel hub plate with taper lock bushing and mounted directly on the motor shaft propeller to be statically and dynamically balanced at the factory prior to shipping. Motor to be open drip-proof with permanently lubricated sealed ball bearings. Nationally recognized brand and locally serviceable. Minimum 1/3 hp.

2.2.3. Fan to be completely assembled at factory and tested prior to shipment.

2.3. ACCESSORIES (Select as required)

2.4. Wall Housing to be heavy gauge G90 galvanized steel of standard length to accommodate selected accessories.

2.5. Automatic Back draft Damper – Gravity for Exhaust Applications Only.

2.6. 115vac Motorized Damper – Power Open, Spring Close

2.7. Motor to be Totally Enclosed Model (2 Speed; Explosion Proof)

2.8. Rain hood to be G90 galvanized steel. 45 degree for exhaust application. 90 degree for supply applications. Hood to include galvanized screen guard. Guard screens to be OSHA approved ½ “x 1” 16 ga galvanized. (1/2” x ½” expanded aluminum; ¾” x ¾” expanded aluminum).

2.9. Extended lube lines to be provided to motor bearings. NEMA__ Disconnect Switch to be provided.

2.10. Aluminum Construction to be provided for fan, housing, damper, hood and guards.

2.11. Fan panel (housing; damper; rain hood) to be air dry epoxy coated. Color to match color chip.

2.12. Fan panel (housing; damper; rain hood) to be painted with polyester resin. Color to match color chip.

2.13. Fan panel (housing; damper; rain hood) to have phenolic coating.

3.1. INSPECTION

Examine wall surface prior to installation. Check that support structure is in place before installing housing/collar. Make sure surface is clear of debris to ensure proper adhesion of caulking material between vent housing/collar and surface where required.

3.2. INSTALLATION AND ERECTION

PressureStream and Accessories in conformance with approved drawings and MOFFITT specifications. Any necessary hardware and caulking for ventilator shall be included with units. Any additional material to be provided by installing contractor.

3.3. DAMAGED MATERIAL

Repair or replace all damaged material.