

# *Model V* Upblast Direct Driven Fan

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 **Moffitt**  
NATURAL VENTILATION SOLUTIONS

# Model V Uplast Direct-Drive Fan

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## Model V Uplast Direct Drive Fan Description

### PRODUCT DESCRIPTION

Model V Uplast Exhaust Fans are intended for the general ventilation. These fans can also be used to provide spot ventilation in specific problem areas.

Uplast roof fans come outfitted with dampers that open automatically when the fan is started. The high velocity exhaust airstream holds the dampers open preventing the entrance of rain or snow. When the motor power is cut, the dampers close to provide a complete weather seal. A rain runoff trough is located below the damper shafts to provide drainage to the outside resulting in weather-tight construction.

### STANDARD FEATURES

- Drive: Direct Drive
- Propeller: High-performance statically and dynamically balanced.
- Wind band: Heavy gauge galvanized steel and beaded for additional strength.
- Dampers: Steel butterfly dampers with water runoff troughs for sizes 24" - 60".
- Motor Frame: Heavy-duty, all-welded drive frame
- Heavy Duty Ball Bearing Motor provides years of trouble-free operation.
- Housing: Galvanized steel, Deep Spun Venturi, protected by a high-performance polyurethane coating
- Efficiency: Energy efficient motor NEMA Premium

### OPTIONAL FEATURES

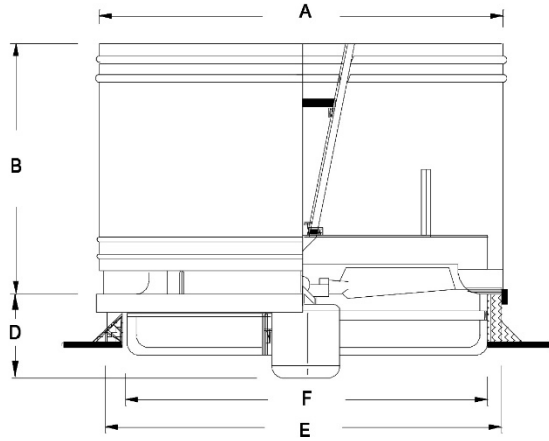
- Protective Guards:
  - Inlet Guard
  - Outlet Guard
- Magnetic Damper Latches
- Disconnect Switches:
  - NEMA 3r Rainproof
  - NEMA 4 Watertight
- Roof Curbs:
  - Extended height curbs
  - Self-flashing (Type SFE)
  - Roofed over (Type CFE).
- Special coatings
  - Color to match enamel
  - Epoxies
  - Urethane powder coatings
- Fusible link damper lifter

### INDUSTRY APPLICATION

- Aluminum Plants
- Automotive Plants
- Factories
- General Manufacturing
- Glass & Glass Products
- Pulp & Paper Plants
- Schools
- Warehouses

# Model V Uplast Direct-Drive Fan

## Model V Direct-Drive Fan Submittal Data



SIZE	A	B	C	E	F	STEEL GAUGE CURB CAP	WIND BAND	WT
24	30	19	12	30	24	16	20	175
30	36	22	12	36	30	16	20	225
36	42	25	17	42	36	16	20	340
42	48	28	17	48	42	14	20	450
48	54	31	22	54	48	14	20	650
54	60	35	21	60	54	12	20	760
60	66	38	21	66	60	12	18	860

MODEL	HP	RPM	MAX STATIC PRESSURE / CAPACITY									
			BHP	*SONES	0.00	0.10	0.125	0.25	0.375	0.5	0.625	
V-242-11	1/3	1160	.35	22.1	5259	4749	4599					
V-243-11	1/2	1160	.58	24.1	6066	5761	5530	4875				
V-244-11	3/4	1160	.84	26.2	7026	6590	6465	5750				
V-245-11	1	1160	1.13	27.6	7671	7160	7030	6259				
V-245-17	1	1750	1.24	40.3	7952	7625	7549	7099	6610	6019		
V-246-17	1-1/2	1750	1.69	41.1	8913	8463	8393	7828	7146	6439		
V-247-17	2	1750	2.33	49.2	9924	9562	9465	8996	8395	7745		
V-302-8	1/3	860	.38	27.7	7937	6821	6475					
V-303-8	1/2	860	.63	25.2	9332	8409	8168	6547				
V-304-8	3/4	860	.85	20.5	10399	9499	9242	7598				
V-305-8	1	860	1.15	23.5	11526	10498	10256	8364				
V-305-11	1	1160	1.18	35.3	11658	10830	10593	9396	7762			
V-306-11	1-1/2	1160	1.70	37.4	13078	12059	11785	10367	8650			
V-307-11	2	1160	2.25	37.4	13867	12743	12430	10677				
V-364-8	3/4	860	.74	24.3	12470	10598	10088					
V-365-8	1	860	1.18	27.3	14535	12860	12398	9232				
V-366-8	1-1/2	860	1.69	30.5	15389	13086	12460	5910				
V-365-11	1	1160	.93	32.6	13098	11815	11476	9420				
V-366-11	1-1/2	1160	1.77	43.7	16638	15575	15296	13795	11805			
V-367-11	2	1160	2.26	43.8	17614	16776	16555	15365	13963	11810	10019	
V-368-11	3	1160	3.47	49.2	21179	20305	20088	18945	17477	15779	13435	
V-369-11	5	1160	5.41	54.1	24106	23055	22790	21678	19388	17312		
V-425-8	1	860	1.13	31.4	17195	15254	14838	11978				
V-426-8	1-1/2	860	1.76	33.3	19435	17486	16697	13131				
V-427-8	2	860	2.36	35.2	21927	20516	20144	18097	15472	11715		
V-428-8	3	860	3.31	37.1	24798	23283	22917	20605	17430	12065		
V-486-8	1-1/2	860	1.72	37.3	24287	22475	21920	18745	14458	8255		
V-487-8	2	860	2.29	39.4	27267	25479	24913	21708	17325	9601		
V-488-8	3	860	3.42	41.5	30088	26505	25699					
V-489-8	5	860	5.33	43.2	36135	34472	34070	31515	28395	24640	17262	
V-4810-8	7-1/2	860	7.79	45.8	40274	37998	37446	34212	30205			
V-549-8	5	860	5.10	54.2	41512	39131	38534	35400	32091	28295		
V-5410-8	7.5	860	7.92	56.1	47284	44795	44176	40762	36949	32670		
V-5411-8	10	860	10.73	58.3	51131	49769	49427	47477	45468	43390	41058	
V-609-8	5	860	5.71	59.2	48125	45769	45189	41928	38448	34565		
V-6010-8	7-1/2	860	7.53	64.1	54271	51655	50998	47675	44201	40405		
V-6011-8	10	860	10.88	64.1	60764	58490	57920	54716	51150	47030	40852	