Dayton

Stock No. 3ATU1

Job Name:
Mark:

Submitted By:
Date:4/18/2025

Power Roof Ventilators

Assembled Centrifugal Belt-Drive Upblast Exhaust Ventilator

Designed for use in restaurants, schools, commercial, and industrial applications to exhaust contaminated air from kitchen range hoods, up and away from the roof. Leakproof, spun aluminum construction features a fully rolled windband for increased stability.

- Aluminum backward inclined, nonoverloading centrifugal wheel design
- Maximum inlet air temperature: 300º F
- NEMA 1 junction box located in motor enclosure
- Optional NEMA 1 and 4 disconnects available
- Sealed pillow block bearings
- UL/cUL 705 Listed for Power Ventilators
- UL/cUL 762 Listed for Restaurant Exhaust Appliances
- Air handling quality bearings meet minimum of L10-100,000 hours

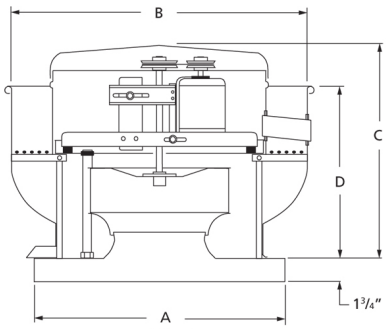
AMCA Sound & Air

Dayton Electric Mfg. Co. certifies that the ventilators shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

UL/cUL 762

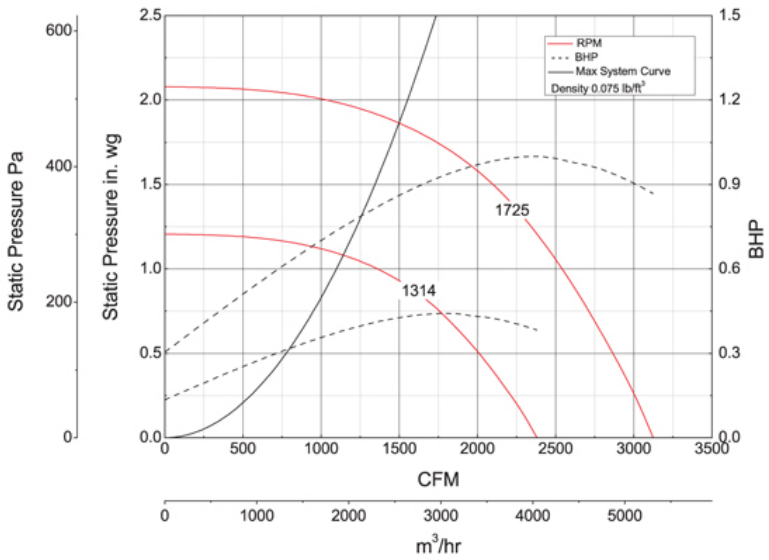
c UL us LISTED
E53236
MH12596

CSA Certified Motor



A	B	C	D
26 in	28 7/8 in	26 3/8 in	19 3/8 in

Performance Characteristics



Construction Features

Impeller Diameter (Typ.)	14 3/4 in
Impeller Type	Backward Inclined Centrifugal
Impeller Material	Aluminum
Max Inlet Temp	300 °F
Bearing Type	Sealed Pillow Block
Drive Package Description	Drives Assembled
Warranty Length	1 Year

Motor Information

Motor Item Number	4YU38
Voltage	208-230/460
Hertz (Cycle)	60 Hz
Motor Phase	3
Motor Enclosure	Open Drip Proof
RPM	1,725 rpm
Full Load Amps	3.4-3.4/1.7

Other Components

Component	Description	Item #
Fan Description	Exhaust Fan	—
Belt	AX21 (QTY: 1)	3VU40
Driver Sheave	1VL40x5/8	3X264
Driven Sheave	BK45H	3X583
Driven Bushing	H x 3/4	3X573

Air & Sound Performance

Motor HP	Max BHP	Fan RPM	CFM @	0.000" SP	0.125" SP	0.250" SP	0.375" SP	0.500" SP	0.625" SP	0.750" SP	0.875" SP	1.000" SP	1.250" SP	1.500" SP	1.750" SP	2.000" SP	2.250" SP	2.500" SP	2.750" SP	3.000" SP
3/4	0.75	935	CFM	4451	4309	4164	4016	3863	3689	3506	3286	3005	—	—	—	—	—	—	—	—
			Sones	14.6	14.1	13.6	13.2	12.7	12.3	12.0	11.8	11.6	—	—	—	—	—	—	—	—
1	1.00	1027	CFM	4889	4760	4629	4494	4362	4215	4057	3893	3703	3189	—	—	—	—	—	—	—
			Sones	16.1	15.6	15.2	14.8	14.4	13.9	13.6	13.3	13.0	12.5	—	—	—	—	—	—	—
1 1/2	1.50	1176	CFM	5598	5485	5372	5256	5138	5023	4904	4765	4627	4325	3936	3311	—	—	—	—	—
			Sones	18.9	18.5	18.1	17.7	17.4	17.0	16.7	16.3	15.9	15.3	14.9	14.6	—	—	—	—	—
2	2.00	1295	CFM	6164	6062	5960	5856	5749	5642	5537	5435	5309	5057	4782	4445	3996	3091	—	—	—
			Sones	21.0	21.0	21.0	20.0	20.0	19.6	19.3	19.0	18.7	18.0	17.5	17.0	16.6	17.3	—	—	—
3	3.00	1482	CFM	7054	6965	6876	6786	6695	6602	6508	6415	6324	6128	5908	5684	5435	5144	4782	4284	3335
			Sones	27.0	26.0	26.0	25.0	25.0	25.0	24.0	24.0	23.0	23.0	22.0	22.0	22.0	21.0	21.0	21.0	22.0
5	5.00	1756	CFM	8359	8283	8208	8132	8057	7981	7903	7824	7745	7587	7436	7265	7079	6894	6702	6491	6257
			Sones	34.0	34.0	33.0	33.0	33.0	32.0	32.0	31.0	31.0	30.0	30.0	29.0	29.0	28.0	28.0	28.0	28.0
7 1/2	6.78	1950	CFM	9282	9214	9146	9078	9010	8942	8874	8804	8733	8591	8449	8312	8173	8006	7839	7672	7500
			Sones	41.0	41.0	40.0	40.0	39.0	39.0	39.0	38.0	38.0	37.0	36.0	36.0	35.0	35.0	34.0	34.0	33.0

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet hemispherical sone levels.

Operating Range of Drive Package

Turns Open	FRPM @ 0 TO	FRPM @ 1/2 TO	FRPM @ 1 TO	FRPM @ 1 1/2 TO	FRPM @ 2 TO	FRPM @ 2 1/2 TO	FRPM @ 3 TO	FRPM @ 3 1/2 TO	FRPM @ 4 TO	FRPM @ 4 1/2 TO	FRPM @ 5 TO
Approx. FRPM	1725	1647	1600	1554	1507	1461	1415	1368	1322	1276	—