

Centrifugal Direct-Drive Upblast Wall-Mount Exhaust Ventilator

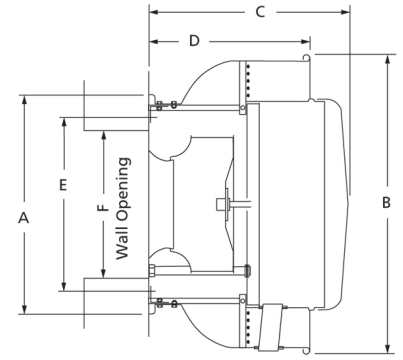


Designed for use in restaurants, schools, commercial, and industrial applications to exhaust contaminated air from kitchen range hoods, up and away from the building. Leakproof, spun aluminum construction features a fully rolled windband for increased stability.

- Aluminum backward inclined, nonoverloading centrifugal wheel design
- NEMA 1 junction box located in motor enclosure
- Optional NEMA 1 and 4 disconnects available
- Maximum inlet air temperature: 300° F
- UL/cUL 705 Listed for Power Ventilators
- UL/cUL 762 Listed for Restaurant Exhaust Appliances

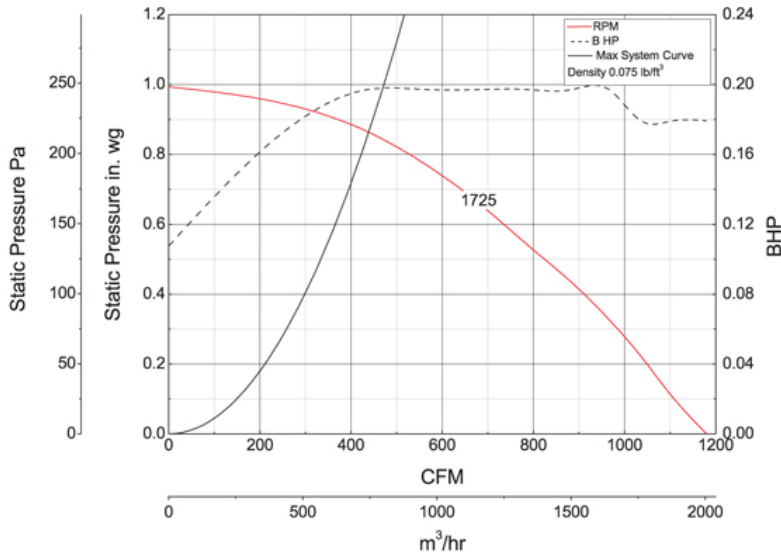


Dayton Electric Mfg. Co. certifies that the ventilators shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



A	B	C	D	E	F
19 3/4 in	24 7/8 in	22 in	17 3/8 in	16 7/8 in	12 1/2 in

Performance Characteristics



Construction Features

Impeller Diameter (Typ.)	11 in
Impeller Type	Backward Inclined Centrifugal
Impeller Material	Aluminum
Max Inlet Temp	300 °F
Warranty Length	1 Year

Motor Information

Motor Item Number	4YU27
Voltage	115
Hertz (Cycle)	60 Hz
Motor Phase	1
Motor Enclosure	Open Air-Over
RPM	1,725 rpm
Full Load Amps	3.6

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
1/4	0.26	460	CFM	4223	3785	3188	2036	—	—	—	—	—	—	—
			Sones	6.7	6.6	5.7	4.2	—	—	—	—	—	—	—
1/3	0.35	505	CFM	4637	4242	3761	3060	—	—	—	—	—	—	—
			Sones	7.8	7.5	6.9	6.1	—	—	—	—	—	—	—
1/2	0.55	585	CFM	5371	5031	4666	4195	3562	2112	—	—	—	—	—
			Sones	10.3	9.7	9.1	8.8	8.2	7.2	—	—	—	—	—
3/4	0.79	660	CFM	6060	5757	5449	5094	4636	4073	3217	—	—	—	—
			Sones	13.1	12.4	11.8	11.3	11.0	10.6	10.4	—	—	—	—
1	1.06	730	CFM	6702	6428	6158	5861	5507	5077	4568	3920	—	—	—
			Sones	15.8	15.0	14.3	13.8	13.4	13.1	12.9	12.7	—	—	—
1 1/2	1.54	825	CFM	7575	7332	7092	6844	6574	6261	5901	5477	5002	—	—
			Sones	19.7	18.6	17.7	17.2	16.8	16.4	16.2	15.6	14.8	—	—
2	2.06	910	CFM	8355	8135	7916	7700	7467	7215	6933	6616	6240	5388	3707
			Sones	24.0	23.0	21.0	21.0	21.0	20.0	19.6	19.4	19.2	16.7	13.6
3	2.06	910	CFM	8355	8135	7916	7700	7467	7215	6933	6616	6240	5388	3707
			Sones	24.0	23.0	21.0	21.0	21.0	20.0	19.6	19.4	19.2	16.7	13.6

Performance certified is for installation type A: Free inlet, Free outlet. 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.