



Stock No.
7DF66
(Fan Model 20FT14)

Job Name:
Mark:

Submitted By:
Date:5/19/2024

Power Roof Ventilators

Centrifugal Belt-Drive Upblast Exhaust Ventilator



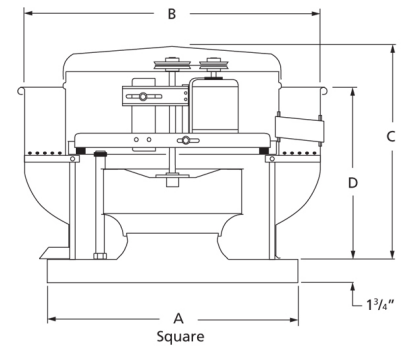
Designed for use in restaurants, schools, commercial, and industrial applications to exhaust contaminated air from kitchen range hoods, up and away from the roof. Leakproof, spun aluminum construction features a fully rolled windband for increased stability.

- Aluminum backward inclined, nonoverloading centrifugal wheel design
- Maximum inlet air temperature: 300° 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



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



A	B	C	D
19 in	24 7/8 in	25 1/8 in	17 3/8 in

Performance Characteristics

No Fan Curve Available.

Construction Features

Impeller Diameter (Typ.)	11 in
Impeller Type	Backward Inclined Centrifugal
Impeller Material	Aluminum
Max Inlet Temp	300 °F
Bearing Type	Sealed Pillow Block
Drive Package Description	Drives Packaged Separately
Warranty Length	1 Year

Motor Information

Motor Item Number	3K613
Voltage	115/208-230
Hertz (Cycle)	60 Hz
Motor Phase	1
Motor Enclosure	Open Drip Proof
RPM	1,725 rpm
Full Load Amps	3.6/1.6-1.8

Other Components

Component	Description	Item #
Fan Description	Exhaust Fan	20FT14
Belt	AX23 (QTY: 1)	3VU42
Driver Sheave	1VP40x1/2	5UHR3
Driven Sheave	AK56x3/4	5RJE0

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
1/6	0.07	1140	CFM	833	754	665	565	408
			Sones	7.8	7.0	6.3	5.9	5.5

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.

Catalog 405, October 2014

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	1185	1152	1119	1086	1052	1019	986	953	920	886	853