



Fans  
Blowers  
Air Circulators  
HVAC Controls  
Central Equipment  
Heating Equipment  
Power Roof Ventilators

# HVAC

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2006 Dayton Product Guide

**Dayton**®

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The full line of Dayton products can be found in the general Grainger catalog or at [grainger.com/dayton](http://grainger.com/dayton)



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# Electric Unit Heaters

These heavy duty electric unit heaters provide fast, clean heat for large areas. They feature totally enclosed fan motors and oversized fan blades for uniform air flow. They meet NEC and OSHA requirements and are suitable for both vertical and horizontal mounting. Single- and three-phase units available up to 50 KW.

## UNDER 5 KW

KW	MBtuH	VOLTAGE	PHASE	MAX. AMP RATING	STOCK NO.
3.0	10.2	208	1	14.5	3UF78
3.0/2.2	10.2/7.5	240/208	1	12.5/11.0	3UF75
3.0	10.2	277	1	11.0	3UF77
3.0	10.2	480	3	3.6	3UF76
5.0/3.7	17.0/12.6	240/208	1-3	21.0/18.0	3UF79

## FROM 5 TO 20 KW

KW	MBtuH	VOLTAGE	PHASE	MAX. AMP RATING	STOCK NO.
7.5/5.6	25.6/19.1	240/208	1-3	31.3/27.0	3UF83
10.0	34.1	208	1-3	48.0	3UF88
10.0	34.1	480	3	12.0	3UF87
15.0	51.2	480	3	18.0	3UF90

## OVER 20 KW

KW	MBtuH	VOLTAGE	PHASE	MAX. AMP RATING	STOCK NO.
20.0	68.2	480	3	24.0	3UF93
30.0	102.3	480	3	36.0	3UF95
30.0	102.3	208	3	84.0	3UF96
50.0	170.5	480	3	60.2	3UF98



3UF78

3.0 KW unit with 10,200 BtuH and a 14.5 maximum amp rating. Advanced pull-through air flow design draws air across heating element for more even air distribution.



3VU34

4000-watt, 240/208V heavy-duty convection unit with cord and permanently lubricated motor to reduce maintenance and labor costs.

# Portable Oil-Fired Heaters

Our portable oil-fired heaters provide quick heat for open, well-ventilated areas such as warehouses, factories, farms and outdoor activities. They feature an easy-to-read fuel gauge and provide a large range of heat output. They operate on 1-K kerosene, #1 or #2 fuel oil (diesel), heating oil or jet fuel.

## PORTABLE OIL-FIRED FORCED AIR HEATERS

MBtuH OUTPUT	APPROX. HEATING AREA (SQ. FT.)	WHEELS	FUEL TANK (GAL.)	BUILT-IN THERMOSTAT	HOURS ON ONE FILLING	STOCK NO.
45	1000	No	5	No	14	3VE48
65	1500	No	5	No	10	3VE49
120	2800	Yes	10	Yes	11	3VE50
170	4000	Yes	13	Yes	10	3VE51
210	5000	Yes	13	Yes	8	3VE52
400	9500	Yes	29	Yes	9.5	3VE53
600	12,000	Yes	50	Yes	11.1	4XA50



3VE48

# Portable Electric Heaters

These portable electric heaters provide concentrated heat for local warmth in workshops, construction sites and unheated buildings. They are thermostatically controlled with top mounted carrying handle and metal safety grill to protect unit.

## HEAVY-DUTY CONVECTION HEATER

WATTS	VOLTS	AMPS	MBtuH	NEMA PLUG TYPE	STOCK NO.
4000/3000	240/208	16.7/14.4	13.7/10.2	6-20P	3VU34
4800/3600	240/208	20.0/17.3	16.4/12.3	6-30P	3VU35
5600/4200	240/208	23.3/20.2	19.1/14.3	6-30P	3VU36

## ELECTRIC CONVECTION HEATER

WATTS	VOLTS	AMPS	BtuH	NEMA PLUG TYPE	STOCK NO.
1000/1500	120	12.25	3.4/5.1	5-15P	3VU37
600/900/1500	120	12.25	2/3/5.1	5-15P	3VU31
1300/1500	120	12.25	4.4/5.1	5-15P	3VU32
1300/1500	120	12.25	4.4/5.1	1-15P	3VU33

Lightweight and convenient for heating small well-ventilated spaces. Temperature can be controlled by a plug-in thermostat, sold separately.

# Tubular Gas-Fired and Garage Heaters

Our gas-fired and garage heaters are power vented and feature two- and four-point suspension. They feature the latest tubular heat exchanger and inshot burner technology with the quality and reliability you can depend on.

## LOW PROFILE GARAGE HEATERS

BtuH INPUT	CFM	FULL LOAD AMPS @ 115 VAC	GAS INLET (IN.)	FLUE (IN.)	O.C. MTG. DIMENSIONS (IN.)	NAT. GAS STOCK NO.	LP GAS STOCK NO.
30,000	500	4.9	1/2	4	21.5	4LX42	4LX41
45,000	750	4.9	1/2	4	21.5	4LX44	4LX43
60,000	1000	5.6	1/2	4	21.5	4LX46	4LX45
75,000	1250	5.6	1/2	4	21.5	4LX48	4LX47
90,000	1400	5.6	1/2	4	21.5	4LX50	4LX49



4LX56

150,000 BtuH input with 16" fan. A great alternative to the traditional clam shell design. Features a state-of-the-art hot surface pilot ignition system to ensure positive and reliable burner ignition.

## COMMERCIAL/INDUSTRIAL TUBULAR GAS-FIRED STANDARD HEATERS

BtuH INPUT	CFM	FULL LOAD AMPS @ 115 VAC	GAS INLET (IN.)	FLUE (IN.)	O.C. MTG. DIMENSIONS (IN.)	NAT. GAS STOCK NO.	LP GAS STOCK NO.
100,000	1600	6.6	1/2	5	18 5/8	4LX52	4LX51
125,000	2200	8.0	1/2	5	18 5/8	4LX54	4LX53
150,000	2400	7.8	1/2	5	18 5/8	4LX56	4LX55
175,000	2850	8.3	1/2	5	30 5/8	4LX58	4LX57
200,000	3200	8.3	1/2	5	30 5/8	4LX60	4LX59
250,000	3450	8.3	1/2	5	30 5/8	4LX62	4LX61
300,000	5000	12.5	3/4	6	48 5/8	4LX64	4LX63
350,000	5600	12.5	3/4	6	48 5/8	4LX66	4LX65
400,000	5800	12.5	3/4	6	48 5/8	4LX68	4LX67



4LX48

75,000 BtuH with 16" fan blade diameter. Low-profile design for installation in low clearance applications.

# Natural and Propane Gas-Fired Unit Heaters

These gas-fired unit heaters feature a heat exchanger and burner design that achieves over 80% efficiency. They include a gas-saving automatic spark ignition system and reduce fuel consumption compared to standing pilot operation.

## NATURAL GAS-FIRED

BtuH INPUT	CFM	FULL LOAD AMPS @115 VAC	GAS INLET (IN.)	FLUE (IN.)	O.C. MTG. DIMENSIONS (IN.)	STOCK NO.
30,000	700	2.1	1/2	4 R,V	8 5/8	3E366
45,000	800	2.1	1/2	4 R,V	8 5/8	3E367
60,000	1050	2.1	1/2	5 R,V	14 1/8	3E406
75,000	1100	2.1	1/2	5 R,V	14 1/8	3E368
100,000	1480	3.4	1/2	6 R,V	14 3/4	3E369
125,000	1650	3.6	1/2	6 R,V	17 1/2	3E370
150,000	2200	4.8	1/2	7 R,H	17 1/2	3E371
175,000	2530	5.8	1/2	7 R,H	20 1/4	3E372
200,000	2640	5.8	1/2	8 R,H	23	3E373
225,000	2700	5.8	3/4	8 R,H	25 1/5	3E374
250,000	3100	5.8	3/4	8 R,H	28 1/4	3E375
300,000	4400	8.8	3/4	10 O,H	33 3/4	3E376
350,000	5000	10.8	3/4	10 O,H	39 1/4	3E377
400,000	5300	10.8	3/4	12 O,H	44 3/4	3E378

## PROPANE GAS-FIRED

BtuH INPUT	CFM	FULL LOAD AMPS @ 115 VAC	GAS INLET (IN.)	FLUE (IN.)	O.C. MTG. DIMENSIONS (IN.)	STOCK NO.
30,000	700	2.1	1/2	4 R,V	8 5/8	3E379
45,000	800	2.1	1/2	4 R,V	8 5/8	3E380
60,000	1050	2.1	1/2	5 R,V	14 1/8	3E407
75,000	1100	2.1	1/2	5 R,V	14 1/8	3E381
100,000	1480	3.4	1/2	6 R,V	14 3/4	3E382
125,000	1650	3.6	1/2	4 R,V	17 1/2	3E383
150,000	2200	4.8	1/2	7 R,H	17 1/2	3E384
200,000	2640	5.8	1/2	8 R,H	23	3E385
250,000	3100	5.8	3/4	8 R,H	28 1/4	3E386
300,000	4400	8.8	3/4	10 O,H	33 3/4	3E387
400,000	5300	10.8	3/4	12 O,H	44 3/4	3E388



3E370

Natural gas-fired heater with 125,000 BtuH, 1/10 HP motor and 16" diameter fan. CSA certified.



3E379

Propane gas-fired heater with 30,000 BtuH, 1/30 HP motor and 12" diameter fan. CSA certified.

# Separated Combustion Unit Heaters

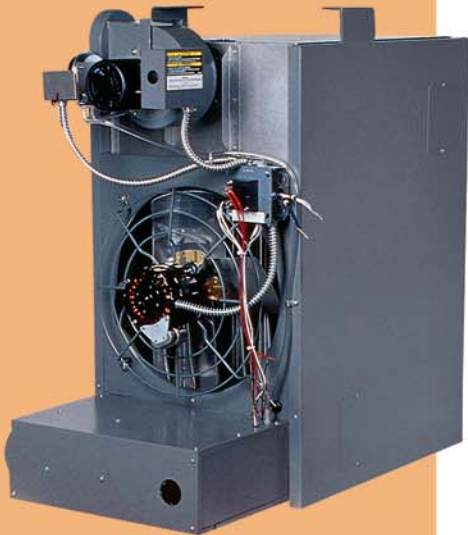
Our industrial unit heaters are designed to heat shops, warehouses, factories and shipping areas. Spark ignition reduces gas consumption compared to pilot light ignition. Use outside air for combustion enabling operation in areas having slight negative pressures, and isolate the burner from dust, humidity and non-hazardous chemicals.

## PROPELLER

BtuH INPUT	CFM	GAS INLET (IN.)	FLUE (IN.)	O.C. MTG. DIMENSIONS (IN.)	NAT. GAS STOCK NO.	LP GAS STOCK NO.
100,000	1480	1/2	4	14 3/4	4DG27	4DG26
125,000	1650	1/2	4	17 1/2	4DG29	4DG28
150,000	2200	1/2	4	17 1/2	4DG31	4DG30
175,000	2530	1/2	4	20 1/4	4DG33	4DG32
200,000	2640	1/2	5	23	4DG35	4DG34
225,000	2700	3/4	5	25 3/4	4DG37	4DG36
250,000	3100	3/4	5	28 1/2	4DG39	4DG38
300,000	4400	3/4	6	34	4DG41	4DG40
350,000	5000	3/4	6	39 1/2	4DG43	4DG42
400,000	5300	3/4	6	45	4DG45	4DG44

150,000 BtuH input with 1/4 HP motor and 16" diameter fan which produces 2200 CFM.

4DG30



## BLOWER

BtuH INPUT	CFM	GAS INLET (IN.)	FLUE (IN.)	O.C. MTG. DIMENSIONS (IN.)	NAT. GAS STOCK NO.	LP GAS STOCK NO.
100,000	1200	1/2	4	14 3/4	4DG07	4DG06
125,000	1575	1/2	4	17 1/2	4DG09	4DG08
150,000	1975	1/2	4	17 1/2	4DG11	4DG10
175,000	2300	1/2	4	20 1/4	4DG13	4DG12
200,000	2400	1/2	5	23	4DG15	4DG14
225,000	2600	3/4	5	25 3/4	4DG17	4DG16
250,000	2850	3/4	5	28 1/2	4DG19	4DG18
300,000	3950	3/4	6	34	4DG21	4DG20
350,000	4600	3/4	6	39 1/2	4DG23	4DG22
400,000	4800	3/4	6	45	4DG25	4DG24

4DG06

100,000 BtuH input with 1/4 HP motor and 9" blower wheel are designed for use with standard louvers or short duct runs.





# Industrial Assembled Air Circulator Heads

Designed for use in dirty, humid environments such as factories, foundries, these air circulator heads come fully assembled with totally enclosed motors. The oscillating fans move in a 90-degree arc, providing a large cooling area and improved circulation. A 10 ft., three-prong cord is included.

## NON-OSCILLATING (UP TO 1/2 HP)

BLADE DIA. (IN.)	CFM	HP	SPEEDS	RPM	NO. OF BLADES	STOCK NO.
20	3615/3270	1/4	2	1075	2	6C535
20	4515	1/5	1	1725	2	4C458
24	4980	1/6	1	1725	2	3C218
24	5290/4220	1/7	2	1075	2	6C538
24	5390/4400	1/8	2	1075	2	4C154
30	9160	1/3	1	1075	2	3F299
30	9310/8740	1/2	2	1075	2	3C219
30	9375/8745	1/2	2	1075	2	6C539

## OSCILLATING (UP TO 1/2 HP)

BLADE DIA. (IN.)	CFM	HP	SPEEDS	RPM	NO. OF BLADES	STOCK NO.
20	3615/3305	1/4	2	1075	2	6C536
24	5530/4460	1/4	2	1075	2	3C215
30	9560/8870	1/2	2	1075	2	3F298



6C531

1/15 HP, 18" circulator head with two blades. Comes with polyester powder-coated wire guard that complies with OSHA Standard 1910.212.

# Commercial Air Circulators

These air circulators are designed for use in clean, dry environments such as schools, hospitals, offices and airports. They emit low sound levels, making them suitable for commercial applications. Heavy-duty motors provide cooler running for longer life.

## PEDESTAL MOUNTED (UP TO 1/4 HP)

BLADE DIA. (IN.)	CFM	HP	SPEEDS	RPM	NO. OF BLADES	STOCK NO.
18	2660/1925	1/10	2	1100	3	1UM36
20	3717/2631	1/8	2	1100	3	1UM38
24	5465/3805	1/4	2	1100	3	1UM40
30	7261/4674	1/4	2	1100	3	1UM42

## WALL/CEILING MOUNTED (UP TO 1/4 HP)

BLADE DIA. (IN.)	CFM	HP	SPEEDS	RPM	NO. OF BLADES	STOCK NO.
18	2660/1925	1/10	2	1100	3	1UM37
20	3717/2631	1/8	2	1100	3	1UM39
24	5465/3805	1/4	2	1100	3	1UM41
30	7261/4674	1/4	2	1100	3	1UM43

## COMMERCIAL CIRCULATOR HEADS (UP TO 1/4 HP)

BLADE DIA. (IN.)	CFM	HP	SPEEDS	RPM	NO. OF BLADES	STOCK NO.
18	2656/1930	1/15	2	1550	2	6C531
20	3714/2626	1/10	2	1100	2	3F530
24	5465/3805	1/4	2	1075	2	3C685
30	9175/8180	1/4	2	1075	2	3C686



1UM38

1/8 HP, 20" pedestal mounted air circulator with three blades. Provides up to 400 FPM air velocity at 20 ft.

# Shutter-Mounted Exhaust Fans

These easy-to-install, highly efficient exhaust fans have automatic shutters, making them ideal for use in ventilating retail stores, offices, factories, work shops and farm buildings. They are shipped completely assembled. 115V totally enclosed motor.

## SPEED CONTROLLABLE (UP TO 1/4 HP)

PROPELLER DIA. (IN.)	CFM AIR DELIVERY 0.0" SP	CFM AIR DELIVERY 0.125" SP	HP	SQUARE OPENING REQUIRED (IN.)	STOCK NO.
7	140	-	1/30	8.5	2C634
10	585	285	1/30	10.5	2C819
12	800	470	1/30	13	2C710
16	1095	720	1/20	17	2C713
18	1860	850	1/15	18.2	2C708
20	2830	2255	1/4	21	4YC97
24	3240	2485	1/4	25	4C269



## SINGLE SPEED (UP TO 1/4 HP)

PROPELLER DIA. (IN.)	CFM AIR DELIVERY 0.0" SP	CFM AIR DELIVERY 0.125" SP	HP	SQUARE OPENING REQUIRED (IN.)	STOCK NO.
18	2590	2190	1/4	19	4C357
20	2955	2450	1/4	21	2C342
20	3635	3115	1/3	21	2C785
24	3270	2515	1/4	25	4C358
24	3970	3240	1/3	25	4C359
30	6075	4195	1/4	31	5C195
36	8225	6480	1/3	37	5C196

## 2-SPEED (1/2 HP)

PROPELLER DIA. (IN.)	CFM AIR DELIVERY 0.0" SP	CFM AIR DELIVERY 0.125" SP	HP	SQUARE OPENING REQUIRED (IN.)	STOCK NO.
24	3985/3760	3255/2995	1/2	25	4C360

2C634

1/30 HP motor with 7" diameter aluminum fan blades. Comes with corrosion-resistant polyester coated guards that meet OSHA standards.

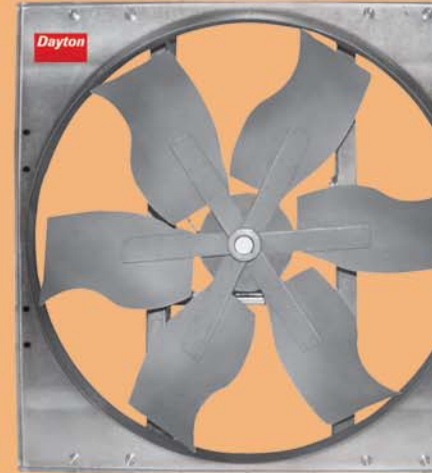
# Standard-Duty Belt-Drive Exhaust Fans

Designed for light to medium-duty commercial and industrial air moving applications, these exhaust fans are designed to move low to medium volumes of air at low sound levels. A belt-driven fan allows for flexibility in airflow. Fan blades are available in sizes from 24" to 48".

## STANDARD-DUTY EXHAUST FANS

PROPELLER DIA. (IN.)	CFM AIR DELIVERY @ 0.0" LOW HP	CFM AIR DELIVERY @ 0.0" HIGH HP	MOTOR HP LOW	MOTOR HP HIGH	STATIC PRESSURE	OUTSIDE SQUARE DIM. (IN.)	STOCK NO.*
24	5285	8050	1/4	3/4	0-.375" WG	28	5AV86
30	7210	12,130	1/4	1	0-.375" WG	34	5AV87
36	10,260	16,600	1/3	1 1/2	0-.375" WG	40	5AV88
42	14,440	20,000	1/2	1 1/2	0-.375" WG	46	5AV89
48	17,470	31,200	1/2	3	0-.375" WG	54	5AV91

(\*) Drive package sold separately.



5AV86

1/4 to 3/4 HP motor with 24" diameter fan. Made of galvanized steel. Can be mounted in both vertical and horizontal positions.

# Medium-Duty Belt-Drive Exhaust Fans

Designed for medium- to heavy-duty commercial applications these fans are ideal for moving large volumes of air at higher static pressure than standard duty fans. A belt-driven fan allows for flexibility in airflow. Fan blades are available in sizes from 24" to 60".

## MEDIUM-DUTY EXHAUST FANS

PROPELLER DIA. (IN.)	CFM AIR DELIVERY @ 0.0" LOW HP	CFM AIR DELIVERY @ 0.0" HIGH HP	MOTOR HP LOW	MOTOR HP HIGH	STATIC PRESSURE	OUTSIDE SQUARE DIM. (IN.)	STOCK NO.*
24	6000	9200	1/3	1 1/2	0-0.5" WG	28	5AV95
30	9330	14,550	1/2	2	0-0.5" WG	34	5AV96
36	11,000	19,640	1/2	3	0-0.5" WG	40	5AV97
42	15,200	28,470	3/4	5	0-0.5" WG	46	5AV98
48	19,900	33,950	1	5	0-0.5" WG	54	5AY10
54	26,550	45,390	1 1/2	7 1/2	0-0.5" WG	60	5AY11
60	33,640	57,440	2	10	0-0.5" WG	66	5AY12

(\*) Drive package sold separately.



5AY25

Heavy-duty galvanized steel exhaust fan with 24" aluminum fan blades. 1/2 to 1 1/2 HP motor. CFM range of 6000 to 8600.

# Heavy-Duty Belt-Drive Exhaust Fans

These sturdy fans are designed for use in harsh industrial applications that require a high volume of air at high static pressures. They are capable of moving high volumes of air at higher static pressure than medium duty fans.

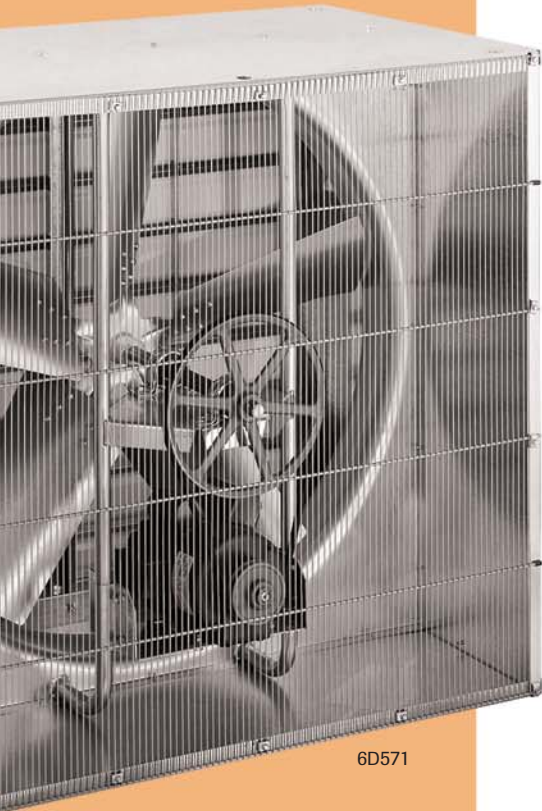
## HEAVY-DUTY EXHAUST FANS

PROPELLER DIA. (IN.)	CFM AIR DELIVERY @ 0.0" LOW HP	CFM AIR DELIVERY @ 0.0" HIGH HP	MOTOR HP LOW	MOTOR HP HIGH	STATIC PRESSURE	OUTSIDE SQUARE DIM. (IN.)	STOCK NO.*
24	6080	8600	1/2	1 1/2	0-1" WG	28	5AY25
30	8780	14,800	3/4	3	0-1" WG	34	5AY26
36	13,150	22,480	1	5	0-1" WG	40	5AY27
42	18,440	31,500	1 1/2	7 1/2	0-1" WG	46	5AY28
48	23,700	40,500	2	10	0-1" WG	54	5AY29
54	31,720	54,000	3	15	0-1" WG	60	5AY30
60	46,230	68,500	5	20	0-1" WG	66	5AY31

(\*) Drive package sold separately.

# Wall-Mount Cabinet Exhaust Fans

These cabinet exhaust fans come fully assembled with shutter and OSHA-approved guard, significantly reducing installation time. They are made of galvanized steel and include TEAO ball bearing motors. Variable pitch drive sheaves allow for fan speed and performance reductions of 25%.



6D571

Galvanized steel cabinet 24" exhaust fan with 1/2 HP motor. Ideal for ventilating industrial and commercial buildings.

## PROPELLER DIAMETER 24 INCHES

CFM AIR DELIVERY 0.0" SP	CFM AIR DELIVERY 0.250" SP	MOTOR HP	FAN RPM	MOTOR VOLTS	PHASE	OUTSIDE SQUARE DIM. (IN.)	STOCK NO.
6960	5230	1/2	820	115/208-230	1	28 1/4	6D571
8050	6790	3/4	949	208-220/440	3	28 1/4	6D572

## PROPELLER DIAMETER 30 INCHES

10,990	8540	3/4	686	115/230	1	34 1/4	6D573
12,130	10,100	1	757	208-220/440	3	34 1/4	6D574

## PROPELLER DIAMETER 36 INCHES

15,090	12,500	1	634	115/230	1	40 1/4	6D575
16,600	14,400	1 1/2	697	208-220/440	3	40 1/4	6D576

## PROPELLER DIAMETER 42 INCHES

18,200	13,800	1	485	115/230	1	46 1/4	6D577
20,000	16,300	1 1/2	536	208-220/440	3	46 1/4	6D578

## PROPELLER DIAMETER 48 INCHES

21,670	-	1	382	115/230	1	54 1/4	6D579
27,100	22,800	2	481	208-220/440	3	54 1/4	6D580

## PROPELLER DIAMETER 54 INCHES

39,640	34,390	5	524	208-220/440	3	60 1/4	1VN42
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# Wall-Mount Cabinet Supply Fans

Fully assembled for easy installation, these galvanized steel supply fans are used in conjunction with exhaust fans. They include TEAO ball bearing motors and variable pitch drive sheaves to allow for fan speed adjustment.



4YC79

Galvanized steel cabinet 36" supply fan with 1 HP motor. Comes with guard and flush-mounted shutters.

## WALL-MOUNTED CABINET SUPPLY FANS

PROPELLER DIA. (IN.)	CFM AIR DELIVERY 0.0" SP	CFM AIR DELIVERY 0.250" SP	MOTOR HP	FAN RPM	MOTOR VOLTS	PHASE	OUTSIDE SQUARE DIM. (IN.)	STOCK NO.
24	6580	4970	1/2	800	115/ 208-230	1	28 1/4	4YC78
36	10,565	8205	1	585	115/230	1	40 1/4	4YC79
36	16,160	13,215	1 1/2	654	208- 220/440	3	40 1/4	4YC96
48	25,455	17,615	2	480	208- 220/440	3	54 1/4	4YC80

# Centrifugal Direct-Drive Upblast Exhaust Ventilators

Our direct drive upblast ventilators are designed to discharge foul air in industrial and commercial environments in which the exhaust air must be thrown into the atmosphere away from roof and wall surfaces.

## 8 INCH WHEEL DIAMETER

BASE DIMENSION SQUARE (IN.)	VOLTS	HP	SONES @ 0.250" SP	CFM AIR DELIVERY @ 0.000" SP	CFM AIR DELIVERY @ 0.375" SP	SPEED CONTROL	MOUNTING	RESTAURANT APPLICATIONS	STOCK NO.
19	115	1/30	7.4	266	95	Yes	Roof	No	4HZ32
19	115	1/25	6.5	424	204	Yes	Roof	No	4HZ33
19	115	1/30	7.4	266	95	Yes	Wall	No	4HZ34
19	115	1/25	6.5	424	204	Yes	Wall	No	4HZ35

## 11 INCH WHEEL DIAMETER

19	115	1/6	4.8	780	294	Yes	Roof	Yes	4HZ36
19	115	1/4	11.6	1180	929	Yes	Roof	Yes	4HZ37
19	115	1/6	4.8	780	294	Yes	Wall	Yes	4HZ38
19	115	1/4	11.6	1180	929	Yes	Wall	Yes	4HZ39
22	115	1/6	5.2	970	707	Yes	Roof	Yes	4HZ40
22	115	1/4	13.3	1468	1315	Yes	Roof	Yes	4HZ41
22	115	1/6	5.2	970	707	Yes	Wall	Yes	4HZ42
22	115	1/4	13.3	1468	1315	Yes	Wall	Yes	4HZ43



4HZ34

Centrifugal, sidewall direct-drive exhaust ventilator with 1/30 HP motor and 8.25" wheel diameter. Maximum inlet temperature of 130°F.

# Centrifugal Belt-Drive Upblast Exhaust Ventilators

These units are designed to discharge air up and away from walls. A fully rolled windband provides increased rigidity and helps prevent grease spills. Ideal for restaurant applications.

## BELT-DRIVE UPBLAST CENTRIFUGAL ROOF VENTILATORS, LESS DRIVE PACKAGE

WHEEL DIA. (IN.)	BASE SIZE (IN.)	SONES @ 0.25" SP	CFM AIR DELIVERY @ 0.000" SP	CFM AIR DELIVERY @ 0.500" SP	HP RANGE	STOCK NO.
11	19	8.3-13.0	780-1180	824	1/6-1/4	4YY13
11 3/4	22	12.0-13.4	1413-1549	1189-1350	1/4-1/3	4YY14
13 1/4	22	13.9-17.4	1790-2256	1458-2001	1/4-1/2	4YY15
14 3/4	26	10.6-22.0	2001-3125	1515-2865	1/4-1	4YY16
16 1/2	26	11.5-21.0	2774-3996	2109-3584	1/3-1	4YY17
18 1/2	30	10.0-27.0	3098-5648	2257-5254	1/3-2	4YY18
21 1/4	30	8.1-23.0	3740-6806	2073-6108	1/3-2	4YY19
24 1/2	34	7.3-31.0	4623-9519	3565-8775	1/3-3	4YY20
30 1/2	42	7.5-32.0	6835-1429	5440-13,788	1/2-5	4YY21
36	46	8.5-28.0	9845-18,611	5767-17,115	3/4-5	4YY22



4YY13

Upblast exhaust ventilator with centrifugal upblast. CFM Range 780 to 1180 at 0.0" SP. Mounts on roof.

# Axial Direct-Drive Downblast Exhaust and Supply Ventilators

Designed for situations requiring the steady exhaust or supply of air under low to moderate static pressure, our direct-drive ventilators are rated to a maximum temperature of 120°F.

## AXIAL DIRECT-DRIVE EXHAUST

WHEEL DIA. (IN.)	BASE SQUARE DIM. (IN.)	VOLTS	SONES @ 0.250" SP	CFM AIR DELIVERY @ 0.000" SP	CFM AIR DELIVERY @ 0.375" SP	SPEED CONTROLLABLE	STOCK NO.
10	19	115	13.2	550	255	Yes	4YC86
12	22	115	7.4	1014	144	Yes	4YC87
12	22	115	8.9	1556	1055	Yes	4YC88
16	26	115	8.4	1999	904	Yes	4YC48
16	26	115	16.1	3068	2590	Yes	4YC49
18	30	115	11.4	2982	1669	Yes	4YC50
18	30	115/230	29	4578	3908	No	4YC51

## AXIAL DIRECT-DRIVE SUPPLY

12	22	115	14.3	929	415	Yes	4YC91
12	22	115	12.2	1444	953	Yes	4YC92
16	26	115	19.6	2353	1819	Yes	4YC56
16	26	115	20	2920	2188	Yes	4YC57
18	30	115	27	3906	3228	Yes	4YC58
18	30	115/230	30	4247	3529	No	4YC59



4YC48

Axial direct-drive exhaust with spun aluminum hood. Fully rolled baffle bead for stability and ease of transport. Requires single-phase power.



4YU92

11" belt-drive ventilator with centrifugal wheel. Ideal for environments requiring relatively noise-free operation. CFM Range 1062 to 1296 at 0.0" SP.

# Belt-Drive Downblast Exhaust

These units are designed to discharge foul air in industrial and commercial applications that have extensive duct systems or require quiet operation. It includes a heavy-duty spun aluminum windband for superior rigidity and corrosion resistance. Its belt-driven operation allows for greater selection of CFM and motor types.

## CENTRIFUGAL BELT-DRIVE DOWNBLAST EXHAUST VENTILATORS

WHEEL DIA. (IN.)	BASE SQUARE DIM. (IN.)	SONES @ 0.125" SP	CFM AIR DELIVERY @ 0.0" SP	CFM AIR DELIVERY @ 0.500" SP	HP RANGE	STOCK NO.*
11	19	10.0-13.5	1062-1296	767-1062	1/6-1/4	4YU92
11	22	10.8-12.8	1386-1526	1162-1321	1/4-1/3	4YU93
13 1/4	22	12.4-17.2	1692-2093	1404-1871	1/4-1/2	4YU94
14 3/4	26	9.9-20.0	1994-3163	1490-2883	1/4-1	4YU95
16 3/4	26	12.0-20.0	2791-4062	2010-3571	1/3-1	4YU96
18 1/2	30	9.9-25.0	3150-5677	2375-5336	1/3-2	4YU97
21 1/2	30	9.0-23.0	3680-6640	2087-5969	1/3-2	4YU98
24 1/2	34	7.5-23.0	4637-8355	3562-7467	1/3-3	4YU99
30 1/2	42	8.0-28.0	6803-14,416	5095-13,335	1/2-5	4YY10
36	46	10.0-30.0	9763-18,322	7641-16,711	3/4-5	4YY11
54	64	9.1-27.0	17,245-33,764	17,903-31,467	1-7 1/2	4YY12

(\*) Drive package not included.

# Belt-Drive Upblast Exhaust

Our axial rooftop units provide a high volume of air for removing heat and smoke from factories, laboratories and warehouses. Features galvanized steel construction with butterfly dampers to keep out rain, snow and other elements when not in use.

## AXIAL BELT-DRIVE UPBLAST EXHAUST VENTILATORS

PROPELLER DIA. (IN.)	BASE SQUARE DIM. (IN.)	SONES @ 0.125" SP	CFM @ RPM 0.000" SP	CFM @ RPM 0.250" SP	MOTOR HP RANGE	STOCK NO.*
24	36	13.6-25.0	5934-7766	6127	1/3-1	4YY23
30	38 1/2	17.2-30.0	11,108-15,408	7845-13,148	3/4-2	4YY24
36	44 1/2	16.2-29.0	13,858-19,212	13,659-15,917	3/4-2	4YY25
42	50 1/2	21.0-39.0	21,814-32,495	14,632-28,793	1 1/2-5	4YY26
48	56 1/2	15.8-29.0	25,517-37,987	17,815-33,838	1 1/2-5	4YY27
54	66 1/2	18.4-39.0	33,788-51,051	25,221-44,419	2-7 1/2	4YY28
60	72 1/2	22.0-43.0	43,011-64,326	39,734-58,176	3-10	4YY29

(\*) Drive package not included.



4YY23

Exhaust ventilator with axial upblast. 1/4 to 3/4 HP motor with 24" diameter fan. CFM Range 4412 to 7766.

# Industrial Blowers

Our heavy-duty industrial blowers are designed to discharge air that contains dust, dirt and grease. They include a fully rotating discharge element and can be used in kitchen applications, per NFPA 96 specifications. They have a maximum operating temperature of 250°F.

## SPARK-RESISTANT BACKWARD INCLINE BELT-DRIVE BLOWERS

WHEEL DIA. (IN.)	INLET SIZE (IN.)	CFM @ STATIC PRESSURE 0.250" SP	CFM @ STATIC PRESSURE 1.00" SP	MOTOR HP RANGE	STOCK NO.*
10	10 1/8	857-1387	483-1193	1/4-1/2	4WR61
13 11/16	15 1/8	1615-3685	1590-3400	1/4-2	3C494
16 1/8	16 7/8	2690-5395	1195-5015	1/2-3	3C495
20	21 5/16	4015-6775	2690-6065	3/4-3	3C496
24 1/2	26 3/8	6090-10,955	2715-10,015	1-5	3C497

(\*) Drive package not included.

Spark-resistant industrial blower with belt-driven operation and maximum RPM of 2610. Includes weatherproof drive covers and access door for easy maintenance and inspection.

3C494

