



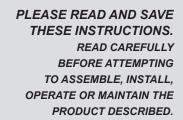


Centrifugal Direct-Drive Upblast Exhaust Ventilators

Models 4HZ32G-4HZ59G, 5DVN6-5DVN9, 5DVP0-5DVP9, 5DVR0, 5DVR1, 5DVR2A-5DVR4A, **6KWH7, 6KWH8, 6KWH9A, 6KWJ0A, 6KWJ1A, 6KWJ3,** 20FT10-20FT13, 20FT15, 36WG76-36WG83, 48C178-48C187

465516





PROTECT YOURSELF AND
OTHERS BY OBSERVING ALL
SAFETY INFORMATION. FAILURE
TO COMPLY WITH INSTRUCTIONS
COULD RESULT IN PERSONAL
INJURY AND/OR PROPERTY
DAMAGE! RETAIN INSTRUCTIONS
FOR FUTURE REFERENCE.

PLEASE REFER TO BACK COVER FOR INFORMATION REGARDING DAYTON'S WARRANTY AND OTHER IMPORTANT INFORMATION.

lodel #:	
erial #:	
urch. Date:	

S

Form 5S6829 / Printed in USA 04632 Version 3 06/2015 © 2004 - 2015 Dayton Electric Manufacturing Co. All Rights Reserved

BEFORE YOU BEGIN

A WARNING

Installation, troubleshooting and parts replacement are to be performed only by qualified personnel.



Electrical Requirements:

The motor amperage and voltage ratings must be checked for compatibility to supply voltage prior to final electrical connection. Wiring must conform to local and national codes.



Tools Needed:

- Dayton® Roof Curb and Mounting Fasteners (8)
- Sealant or Caulk
 - Tachometer

Recommended Accessories:

- NEMA 1 (1H400, 1H401) / NEMA 4 (1H408, 1H409) Disconnect Switch
- Non-Ventilated (2RB75-2RB79, 2ZV82, 2ZV83) / Ventilated (4HX54-4HX57, 4HX61-4HX62) Roof Curb
- Roof Curb Adapter (3AZK1-3AZK9, 3AZL1-3AZL3)
- Round to Square Ventilator Base Adapter (6KWJ4-6KWJ8)
- Grease Collector Box (48C174, 4HX78)
- Hinge Kit (4HX79, 20CK47-20CK56)
- Clean-Out Port Kit (3ATV9)
- Speed Control (48C172, 48C173, 43Y140, 35YV92-35YV94)
- Damper (3TZ50, 4HX64-4HX70, 4HX72-4HX74, 4HX77)
- Birdscreen (4YY78-4YY83)

UNPACKING



Contents:

- Dayton® Centrifugal Direct-Drive Upblast Exhaust Ventilator (1)
- Operating Instructions and Parts Manual (1)



Inspect:

- After unpacking unit, inspect carefully for any damage that may have occurred during transit. Check for loose, missing, or damaged parts. Shipping damage claim must be filed with carrier.
- Check all bolts, screws, set-screws, etc. for looseness that may have occurred during transit. Retighten as required. Rotate wheel by hand to be sure it turns freely.



See General Safety Instructions on page 2, and Cautions and Warnings as shown.



GENERAL SAFETY INSTRUCTIONS

Do not depend on any switch as the sole means **A DANGER** of disconnecting power when installing or servicing the ventilator. Always disconnect, lock and tag power source before installing or servicing. Failure to disconnect power source can result in fire, shock or serious injury, Motor will restart without warning after thermal protector trips. Do not touch operating motor, it may be hot enough to cause injury.

A DANGER

Do not place any body parts or objects in ventilator, motor openings or drives while motor is connected to power source.

▲ WARNING

Do not use this equipment in explosive atmospheres unless motor and disconnect are suitable for use in hazardous environments.

A CAUTION

To reduce the risk of injury to persons, observe the following:

OSHA requires OSHA complying guards when fan is installed within 7 feet of floor or working level.

ULICUL Standards require OSHA complying guards when fan is installed within 8 feet of floor or working level.

- Read and follow all instructions and cautionary markings. Make sure electrical power source conforms to requirements of equipment and local codes.
- Ventilators should be assembled, installed and serviced by a qualified technician. Have all electrical work performed by a qualified electrician.
- 3. Follow all local electrical and safety codes in the United States and Canada, as well as the National Electrical Code (NEC), the Occupational Safety and Health Act (OSHA), and the National Fire Protection Association (NFPA) Bulletin 96 in the United States. Ground motor in accordance with NEC Article 250 (grounding). Follow the Canadian Electric Code (CEC) in Canada.
- The rotation of the wheel is critical. It must be free to rotate without striking or rubbing any stationary objects.
- 5. Unit must be securely and adequately grounded.
- Do not exceed the max cataloged fan RPM. Adjustments to fan speed significantly affects motor load. If the ventilator RPM is changed, the motor current should be checked to make sure it is not exceeding the motor nameplate amps.
- Do not kink power cable or allow it to come in contact with sharp objects, oil, grease, hot surfaces or chemicals. Replace damaged cords immediately.
- Never open access door to a duct with the ventilator running.

SPECIFICATIONS

Model	4HZ32G, 4HZ33G, 5DVN6, 5DVN8, 5DVP0, 5DVP2, 5DVP4, 5DVP06, 48C178△, 48C179△	20FT10, 20FT11, 4HZ40G, 4HZ41G, 4HZ44G, 4HZ45G, 4HZ48G, 4HZ53G, 4HZ52G, 4HZ53G, 4HZ56G, 4HZ57G, 5DVP8A, 5DVR0, 5DVR2AΔ - 5DVR4AΔ, 6KWH7, 6KWH8, 20FT10, 20FT11, 36WG76Δ - 36WG79Δ, 48C180Δ - 48C182Δ	4HZ34G, 4HZ35G, 5DVN7, 5DVP1, 5DVP3, 5DVP5, 5DVP7, 48C183Δ, 48C184Δ	4HZ54G, 4HZ55G, 4HZ58G, 4HZ59G, 5DVP9, 5DVR1, 6KWH9AA, 6KWJ0AA, 6KWJ1AA, 6KWJ3A,
Max. Inlet Temp.	130°F	300°F	130°F	300°F
Mounting Location	Roof	Roof	Wall	Wall
Housing Material		Spun Alı	uminum	
Wheel Type		Aluminum, Backward	d Inclined C	entrifugal
Includes		NEMA 1 Junc	tion Box, Δ ,	A
Agency Compliance	UL/cUL 705	UL/cUL 762*	UL/cUL 705	UL/cUL 762*
Agency Compliance		AMCA Sou	ınd and Air	

- Δ Electronically commutated ventilators include motor mounted potentiometer dial to adjust speed. Optional remote mount speed control kit 43Y140 can be purchased separately.
- ▲ Ventilators 20FT15 and 6KWJ3 feature spark-resistant aluminum wheel, rub ring, factory mounted NEMA 7&9 disconnect switch and explosion proof motor which may be used to exhaust potential flammable particles or fumes. Motors are UL Listed for Class I, Groups C&D and Class II, Groups F&G for hazardous locations.
- * Ventilators are UL/cUL Listed Subject 762 (YZHW) and comply with all requirements set forth in NFPA 96 Standard for Ventilation Control and Fire Protection Commercial Cooking Operations.

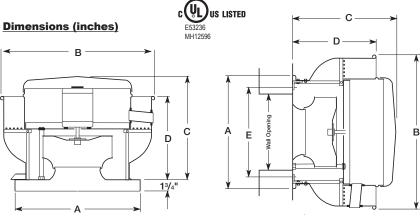


Figure 1 — Roof-Mount

Figure 2 — Wall-Mount

Dayton

Dimensions Roof-Mount (inches)

	48C178	4HZ32G 4HZ33G 5DVN6 5DVN8	5DVP0 5DVP2 5DVP4	48C179	5DVP6	20FT10 20FT11	48C180	48C18
Α	17	19	19	19	19	19	19	19
В	18-3/8	18-3/8	21	21	21	24-7/8	24-7/8	24-7/8
С	13-1/2	13-1/2	13-3/8	13-3/8	15-1/4	22	28-1/4	28-1/4
D	11-3/8	11-3/8	11-1/2	11-1/2	13-3/8	17-3/8	17-3/8	17-3/8
Wheel Dia.	8-1/4	8-1/4	11	11	11	11	12-1/2	13-1/4
Shaft Dia.	1/2	5/16	1/2	1/2	1/2	1/2	1/2	1/2
Recommended Roof Opening (Sq.)	12-1/2	14-1/2	14-1/2	14-1/2	14-1/2	14-1/2	14-1/2	14-1/2
Recommended Damper Size (Sq.)	9	_	10	10	10	12	12	12
Recommended Speed Control	43Y140	48C172	48C172	43Y140	48C172	48C172	43Y140	43Y140
	4HZ40G 4HZ41G	5DVR2A	5DVP8	4HZ44G	4HZ45G		5DVR3A 36WG77	
A	22	22	22	22	22	26	26	26
В	24-7/8	24-7/8	24-7/8	24-7/8	24-7/8	28-7/8	28-7/8	28-7/8
C	22	22	23-3/4	23-3/4	23-3/4	24-3/4	24-3/4	27-1/8
D	17-3/8	17-3/8	17-3/8	17-3/8	17-3/8	19-3/8	19-3/8	19-3/8
Wheel Dia.	11	11	12-1/2	13-1/4	13-1/4	14-3/4	14-3/4	16-1/2
Shaft Dia.	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5/8
Recommended Roof Opening (Sq.)	17-1/2	17-1/2	17-1/2	17-1/2	17-1/2	21-1/2	21-1/2	21-1/2
Recommended Damper Size (Sq.)	15	15	15	15	15	19	19	19
Recommended Speed Control	48C172	43Y140	48C173	48C172	_	48C172	43Y140	48C17
	5DVR4A 36WG78	4HZ53G	6KWH7		4HZ56G 4HZ57G 6KWH8			
A	26	26	26	30	30	30		
В	28-7/8	28-7/8	28-7/8	35-3/8	35-3/8	35-3/8		
С	27-1/8	27-1/8	27-1/8	28-5/8	28-5/8	28-5/8		
D	19-3/8	19-3/8	19-3/8	21	21	21		
Wheel Dia.	16-1/2	16-1/2	16-1/2	18-1/2	18-1/2	21-1/4		
Shaft Dia.	1/2	1/2	5/8	5/8	1/2	5/8		
Recommended Roof Opening (Sq.)	21-1/2	21-1/2	21-1/2	25-1/2	25-1/2	25-1/2		
Recommended Damper Size (Sq.)	19	19	19	23	23	23		
Recommended Speed Control	43Y140	48C173	_	43Y140	_	_		

Dimensions Wall-Mount (inches)

Dimensions wa	ali-iviour	it (inche	<u>5)</u>					
	48C183	4HZ34G 4HZ35G 5DVN7 5DVN9	5DVP1 5DVP3 5DVP5	48C184	5DVP7	20FT12 20FT13 4HZ42G 4HZ43G	6KWH9A	20FT15 6KWJ3
A	14-3/4	14-3/4	17-7/8	17-7/8	17-7/8	19-3/4	19-3/4	19-3/4
В	18-3/8	18-3/8	21	21	21	24-7/8	24-7/8	24-7/8
С	13-1/2	13-1/2	13-3/8	13-3/8	15-1/4	22	22	22
D	11-3/8	11-3/8	11-1/2	11-1/2	13-3/8	17-3/8	17-3/8	17-3/8
E	11-3/4	11-3/4	15	15	15	16-7/8	16-7/8	16-7/8
Wheel Dia.	8-1/4	8-1/4	11	11	11	11	11	11
Shaft Dia.	1/2	5/16	1/2	1/2	1/2	1/2	1/2	1/2
Recommended Wall Opening (Sq.)	8-1/2	8-1/2	10-1/2	10-1/2	10-1/2	12-1/2	12-1/2	12-1/2
Recommended Damper Size (Sq.)	8	8	10	10	10	12	12	12
Recommended Speed Control	43Y140	48C172	48C172	43Y140		48C172		_
	5DVP9	19C19 E	4H746G	4 47 47G		4HZ50G 4HZ51G		⊿⊔ 754G
A	19-3/4	19-3/4	19-3/4	19-3/4	19-3/4	22-1/8	22-1/8	22-1/8
В	24-7/8	24-7/8	24-7/8	24-7/8	24-7/8	28-7/8	28-7/8	28-7/8
C	23-3/4	23-3/4	23-3/4	23-3/4	23-3/4	24-3/4	24-3/4	24-3/4
D	17-3/8	17-3/8	17-3/8	17-3/8	17-3/8	19-3/8	19-3/8	19-3/8
E	16-7/8	16-7/8	16-7/8	16-7/8	16-7/8	19-3/8	19-3/8	19-3/8
Wheel Dia.	12-1/2	12-1/2	13-1/4	13-1/4	13-1/4	14-3/4	14-3/4	16-1/2
Shaft Dia.	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5/8
Recommended Wall Opening (Sq.)	12-1/2	12-1/2	12-1/2	12-1/2	12-1/2	15-1/2	15-1/2	15-1/2
Recommended Damper Size (Sq.)	12	12	12	12	12	15	15	15
Recommended Speed Control	48C173	43Y140	48C172	_	43Y140	48C172	43Y140	48C172
		36WG82	4HZ59G	48C187 36WG83				
Α	22-1/8	22-1/8	27-3/4	27-3/4	27-3/4			
В	28-7/8	28-7/8	35-3/8	35-3/8	35-3/8			
C	24-3/4	24-3/4	28-5/8	28-5/8	28-5/8			
D	19-3/8	19-3/8	21	21	21			
E	19-3/8	19-3/8	25	25	25			
Wheel Dia.	16-1/2	16-1/2	18-1/2	18-1/2	18-1/2			
Shaft Dia. Recommended	1/2 15-1/2	1/2 15-1/2	1/2 17-1/2	5/8 17-1/2	5/8 17-1/2			
Wall Opening (Sq.) Recommended Damper Size (Sq.)	15	15	17	17	17			
Recommended Speed Control	48C173	43Y140	_	43Y140	_			
								_

PERFORMANCE

Model 115V, 1-Phase	НР	Model – ECM 115V, 1-Phase	НР	RPM	Max BHP	Sones @ .125" SP @ 5 Ft.
				1050	0.01	_
5DVN6, 5DVN7	1/60	_	_	1300	0.01	2.5
				1550	0.02	4.0
				1050	0.01	_
4HZ32G, 4HZ34G	1/30	_	_	1300	0.02	2.9
				1550	0.03	4.1
				1050	0.01	_
5DVN8, 5DVN9	1/30	_	_	1300	0.02	2.4
				1550	0.03	4.7
_	_			860	0.01	_
				1050	0.01	_
4HZ33G, 4HZ35G	1/25	400470 400400	4.10	1300	0.02	3.4
		48C178, 48C183	1/6	1550	0.04	4.9
_	_			1140	0.02	_
_	_			1725	0.06	6.1
				1050	0.02	4.2
5DVP0, 5DVP1	1/20	_	_	1300	0.03	5.5
				1550	0.05	7.2
				1050	0.02	4.3
5DVP2, 5DVP3	1/20	_	-	1300	0.04	5.3
				1550	0.06	7.4
_	_			860	0.02	_
				1050	0.03	4.2
5DVP4, 5DVP5	1/15			1300	0.05	5.4
		48C179, 48C184	1/6	1550	0.09	7.5
_	_			1140	0.04	4.6
_	_			1725	0.12	9.4
				1050	0.04	4.5
5DVP6, 5DVP7	1/8	_	_	1300	0.07	6.4
				1550	0.12	8.5
20FT10, 20FT12	1/6	_	_	1140	0.07	7.0
20FT11, 20FT13 20FT15▲	1/4	_	_	1725	0.25	13.8
_	_			860	0.04	0.6
4HZ40G, 4HZ42G	1/6	5DVR2A, 6KWH9	1/4		0.09	6.5
4HZ41G, 4HZ43G, 6KWJ3 ▲	1/4			1725	0.29	12.5
		certifies that the ventil	atore o	hown h		ro liconeod to



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.

		CFM A	ir Deliverv	@ Static	Pressure :	Shown		
.000"	.125"	.250"	.375"	.500"	.750"	1.00"	1.25"	1.50"
133	81	_	_	_	_	_	_	_
165	126	70	_	_	_	_	_	_
197	164	128	_	_	_	_	_	_
180	109	_	_	_	_	_	_	_
223	170	97	_	_	_	_	_	_
266	222	172	95	_	_	_	_	_
250	171	_	_	_	_	_	_	_
309	255	152	_	_	_	_	_	_
369	325	269	160	_	_	_	_	_
235	95	_	_	_	_	_	_	_
287	188	_	_	_	_	_	_	_
356	279	185	_	_	_	_	_	_
424	359	291	204	_	_	_	_	_
312	222	_	_	_	_	_	_	_
472	413	355	289	199	_	_	_	_
325	247	133	_	_	_	_	_	_
403	343	272	173	_	_	_	_	_
480	431	376	314	235	_	_	_	_
389	305	182	_	_	_	_	_	_
481	416	340	235	_	_	_	_	_
574	520	461	395	312	_	_	_	_
450	324	_	_	_	_	_	_	_
549	451	306	_	_	_	_	_	_
680	600	517	391	_	_	_	_	_
811	744	677	604	501	_	_	_	_
596	505	395	_	_	_	_	_	_
903	842	782	722	652	420	_	_	_
711	570	381	_	_	_	_	_	_
880	774	641	484	199	_	_	_	_
1049	964	861	747	616	_	_	_	_
833	754	665	565	408	_	_	_	_
1260	1209	1156	1100	1041	918	759	639	
732	625	481	_	_	_	_	_	
970	897	806	707	_	_	_	_	_
1468	1422	1373	1315	1255	1129	970	_	_

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.

^{‡ 208-230}V, 1-Phase

^{† 208-230/460}V, 3-Phase

[▲] Motors are UL Listed for use in hazardous locations.

Dayton

PERFORMANCE CONTINUED

Model 115V, 1-Phase HP Model - ECM 115V, 1-Phase Max RPM Max BHP .125" SP @ 5 Ft. — — — 48C180, 48C185 1/2 1140 0.14 8.2 5DVP8, 5DVP9 1/2 1/8 1725 0.48 16.7 4HZ44G, 4HZ46G 1/8 36WG76‡, 36WG80‡, 48C186 3/4 860 0.07 7.7 4HZ45G, 4HZ47G 3/4 48C181, 48C186 48C181, 48C186 1140 0.17 11.8 4HZ49G, 4HZ51G 1/4 — — 860 0.12 7.1 4HZ52G, 4HZ54G 1/4 — — 860 0.25 9.9 — — 5DVR3A, 6KWJ0, 36WG71‡, 36WG81‡ 3/4 1300 0.43 12.8 — — — 5DVR4A, 6KWJ1A, 36WG82‡ 3/4 1550 0.72 17.5 — — — 36WG79‡, 36WG83‡, 44C187 148C182, 48C187 148C182, 48C187 148C182, 48C187 149 0.063 14.7 4HZ57G, 4HZ59G, 6KWH8† <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>								
— — — — — — — — — — — — — — — — — — —		НР		НР	RPM		.125" SP @	
5DVP8, 5DVP9 1/2 1725 0.48 16.7 4HZ44G, 4HZ46G 1/8 36WG76‡, 36WG80‡, 48C186 3/4 860 0.07 7.7 4HZ45G, 4HZ47G 3/4 1140 0.17 11.8 4HZ48G, 4HZ50G 1/8 — 860 0.12 7.1 4HZ49G, 4HZ51G 1/4 — 1140 0.29 11.0 4HZ52G, 4HZ54G 1/4 — 860 0.25 9.9 — — 5DVR3A, 6KWJ0, 36WG77‡, 36WG81‡ 3/4 1050 0.22 9.8 — — 5DVR4A, 6KWJ1A, 36WG81‡ 1550 0.72 17.5 — — 5DVR4A, 6KWJ1A, 36WG82‡ 3/4 860 0.25 9.9 4HZ53G, 4HZ55G, 6KWH7† — 36WG79‡, 36WG83‡, 48C187 14.8 745 0.26 8.1 4HZ57G, 4HZ59G, 6KWH8† 1 — — 1140 0.93 16.5	_	_			860	0.06	5.6	
4HZ44G, 4HZ46G 1/8 — — 4HZ45G, 4HZ47G 3/4 4HZ48G, 4HZ50G 1/8 4HZ49G, 4HZ51G 1/4 4HZ49G, 4HZ54G 1/4 — — 860 0.12 7.1 4HZ49G, 4HZ51G 1/4 — — 860 0.12 7.1 4HZ52G, 4HZ54G 1/4 — — 5DVR3A, 6KWJ0, 36WG77‡, 36WG81‡ 3/4 1050 0.22 9.9 1050 0.22 1050 0.22 1050 0.22 1050 0.22 1050 0.22 1050 0.22 1050 0.22 1050 0.22 1050 0.22 1050 0.22 1050 0.25 1000 0.25 1000 0.25 1140 0.058 1140 0.058 1140 0.058 1140 </td <td>_</td> <td>_</td> <td>48C180, 48C185</td> <td>1/2</td> <td>1140</td> <td>0.14</td> <td>8.2</td> <td></td>	_	_	48C180, 48C185	1/2	1140	0.14	8.2	
36WG76‡, 36WG80‡, 3/4	5DVP8, 5DVP9	1/2			1725	0.48	16.7	
4HZ45G, 4HZ47G 3/4 48C181, 48C186 1725 0.60 18.4 4HZ48G, 4HZ50G 1/8 — 860 0.12 7.1 4HZ49G, 4HZ51G 1/4 — 1140 0.29 11.0 4HZ52G, 4HZ54G 1/4 — 860 0.25 9.9 — — 5DVR3A, 6KWJ0, 36WG77‡, 36WG81‡ 3/4 1050 0.22 9.8 — — — 5DVR4A, 6KWJ1A, 36WG82‡ 1550 0.72 17.5 — — 5DVR4A, 6KWJ1A, 36WG82‡ 3/4 860 0.25 9.9 4HZ53G, 4HZ55G, 6KWH7† — — 36WG79‡, 36WG83‡, 48C187 1 745 0.26 8.1 4HZ56G, 4HZ58G 1/2 — — 48C182, 48C187 1 860 0.40 11.1 — — — — 1000 0.63 14.7 4HZ57G, 4HZ59G, 6KWH8† 1 — — 1140 0.93 16.5	4HZ44G, 4HZ46G	1/8	20/4/0704 20/4/0004		860	0.07	7.7	
4HZ45G, 4HZ47G 3/4 1725 0.60 18.4 4HZ48G, 4HZ50G 1/8 — 860 0.12 7.1 4HZ49G, 4HZ51G 1/4 — 1140 0.29 11.0 4HZ52G, 4HZ54G 1/4 — 860 0.25 9.9 — — 5DVR3A, 6KWJ0, 36WG77‡, 36WG81‡ 3/4 1050 0.22 9.8 — — — 5DVR4A, 6KWJ1A, 36WG81‡ 1550 0.72 17.5 — — — 5DVR4A, 6KWJ1A, 36WG82‡ 3/4 860 0.25 9.9 4HZ53G, 4HZ55G, 6KWH7† — — 36WG79‡, 36WG83‡, 48C187 14.8 745 0.26 8.1 4HZ57G, 4HZ59G, 6KWH8† 1 — — 1140 0.93 16.5	_	_	36VVG76‡, 36VVG8U‡,	3/4	1140	0.17	11.8	
4HZ49G, 4HZ51G 1/4 — — 1140 0.29 11.0 4HZ52G, 4HZ54G 1/4 — — 860 0.25 9.9 — — 5DVR3A, 6KWJ0, 36WG77‡, 36WG81‡ 3/4 1050 0.22 9.8 — — — 5DVR4A, 6KWJ1A, 36WG81‡ 1550 0.72 17.5 — — 5DVR4A, 6KWJ1A, 36WG82‡ 3/4 860 0.25 9.9 4HZ53G, 4HZ55G, 6KWH7† — — 36WG79‡, 36WG83‡, 48C187 1 745 0.26 8.1 4HZ56G, 4HZ58G 1/2 — — 36WG79‡, 36WG83‡, 48C187 1 860 0.40 11.1 1000 0.63 14.7 4HZ57G, 4HZ59G, 6KWH8† 1 — — 1140 0.93 16.5	4HZ45G, 4HZ47G	3/4	400 101, 400 100		1725	0.60	18.4	
4HZ52G, 4HZ54G 1/4 — — 860 0.25 9.9 — — 5DVR3A, 6KWJ0, 36WG77‡, 36WG81‡ 3/4 1050 0.22 9.8 — — — 1300 0.43 12.8 1550 0.72 17.5 — — 5DVR4A, 6KWJ1A, 36WG82‡ 3/4 860 0.25 9.9 4HZ53G, 4HZ55G, 6KWH7† — — 4HZ56G, 4HZ58G 1/2 745 0.26 8.1 4HZ57G, 4HZ59G, 6KWH8† 1 — — 1140 0.93 16.5	4HZ48G, 4HZ50G	1/8	_	_	860	0.12	7.1	
5DVR3A, 6KWJ0, 36WG77‡, 36WG81‡ 3/4 1300 0.43 12.8 1550 0.72 17.5 1550 0.72 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5	4HZ49G, 4HZ51G	1/4	_	_	1140	0.29	11.0	
— — 5DVR3A, 6KWJ0, 36WG81‡ 3/4 1300 0.43 12.8 12.8 — — — 1550 0.72 17.5 17.5 — — 5DVR4A, 6KWJ1A, 36WG82‡ 3/4 860 0.25 9.9 4HZ53G, 4HZ55G, 6KWH7† — — 1140 0.58 14.8 — — 36WG79‡, 36WG83‡, 48C187 1 745 0.26 8.1 4HZ57G, 4HZ59G, 6KWH8† 1 — — 1140 0.93 16.5	4HZ52G, 4HZ54G	1/4	_	_	860	0.25	9.9	
- 36WG77‡, 36WG81‡ 3/4 1500 0.43 12.8 1550 0.72 17.5 1550 0.72 17.5 17.5 1550 0.72 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5	_	_	EDVD3A CKW/IO		1050	0.22	9.8	
	_	-		3/4	1300	0.43	12.8	
	_	_	30000774, 30000014		1550	0.72	17.5	
	_	_	EDVD4A GKW44A		550	0.07	_	
4HZ53G, 4HZ55G, 6KWH7† 1140 0.58 14.8 — — 36WG79‡, 36WG83‡, 48C187 1 860 0.40 11.1 — — — 1000 0.63 14.7 4HZ57G, 4HZ59G, 6KWH8† 1 — — 1140 0.93 16.5	_	_	, , ,	3/4	860	0.25	9.9	
4HZ56G, 4HZ58G 1/2 36WG79‡, 36WG83‡, 48C187 1 860 0.40 11.1 — — — 1000 0.63 14.7 4HZ57G, 4HZ59G, 6KWH8† 1 — — 1140 0.93 16.5	4HZ53G, 4HZ55G, 6KWH7†	_	30000704, 30000024		1140	0.58	14.8	
4HZ56G, 4HZ58G 1/2 — 48C182, 48C187 1 860 0.40 11.1 1000 0.63 14.7 4HZ57G, 4HZ59G, 6KWH8† 1 — 1140 0.93 16.5	_	_	26/4/070+ 26/4/002+		745	0.26	8.1	
— 1000 0.63 14.7 4HZ57G, 4HZ59G, 6KWH8† 1 — 1140 0.93 16.5	4HZ56G, 4HZ58G	1/2	• • • • • • • • • • • • • • • • • • • •	1	860	0.40	11.1	
	_	_	-100 102, 1 00 101		1000	0.63	14.7	
5DVR0†, 5DVR1† 2 — — 1140 1.74 23	4HZ57G, 4HZ59G, 6KWH8†	1	_		1140	0.93	16.5	
	5DVR0†, 5DVR1†	2	_	_	1140	1.74	23	

‡ 208-230V, 1-Phase

^{† 208-230/460}V, 3-Phase

[▲] Motors are UL Listed for use in hazardous locations.

CFM Air Delivery @ Static Pressure Shown	5" 1.50"
0000 4050 0500 3750 5000 7500 4000 40	5" 1.50"
.000" .125" .250" .375" .500" .750" 1.00" 1.2	
1015 905 781 581 — — — —	
1346 1261 1180 1091 981 — — —	_
2037 1979 1923 1869 1816 1710 1571 140	06 1176
1180 1057 914 675 — — — —	_
1564 1471 1379 1280 1144 — — —	_
2366 2305 2244 2183 2122 1994 1838 164	1365
1558 1427 1264 1034 — — — —	
2065 1973 1864 1745 1605 1167 — —	_
2472 2315 2126 1918 1680 — — —	_
1902 1800 1680 1540 1372 — — —	
2355 2277 2186 2086 1979 1717 1269 —	_
2808 2743 2671 2594 2509 2329 2110 182	23 1349
1581 1303 — — — — — —	_
2472 2315 2156 1918 1680 — — —	_
3277 3161 3035 2896 2745 2421 1983 —	_
2815 2617 2448 2143 1763 — — —	
3249 3074 2922 2732 2474 — — —	_
3778 3625 3486 3362 3190 2738 — —	_
4307 4173 4045 3927 3822 3470 3072 247	77 —
6412 6224 6036 5855 5674 5283 4837 427	6 3445

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.



INSTALLATION INSTRUCTIONS

▲ WARNING

Installation, troubleshooting and parts replacement are to be performed only by qualified personnel. Consult and follow NFPA 96 recommendations.

NFPA 96 instructions supersede this document.

A CAUTION

Do not raise unit by its windband. Avoid lifting ventilator in a way that will bend or distort fan parts. Never pass slings or timbers through the venturi of unit.

UL-705 Roof-Mount Installation

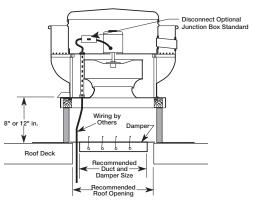


Figure 3

NOTE: Mount unit with a Dayton® roof curb (purchased separately).

- Cut an appropriate sized hole in the roof surface. Refer to Dimensions on page 4. Follow curb manufacturer's installation instructions. Caulk and flash curb to ensure a water tight seal.
- 2. Install optional backdraft damper. Secure damper flange to curb damper tray.
- Remove motor compartment cover by removing fasteners. Place cover 3. on a flat surface in an area protected from strong winds.
- 4 Lift and place the unit on top of roof curb.
- 5. Secure ventilator to roof curb using a minimum of eight fasteners.
- 6. Rotate the wheel by hand to ensure that it does not rub and rotates freely. Wheel position is preset and the unit is test run at the factory. Movement may occur during shipment and realignment may be necessary. Refer to Figure 4 and chart for proper overlap dimensions.

Model	4HZ32G, 4HZ33G, 5DVN6, 5DVN8, 5DVP0, 5DVP2, 5DVP4, 5DVP6, 48C178, 48C179	4HZ40G, 4HZ41G, 4HZ44G, 4HZ45G, 4HZ48G, 4HZ49G, 4HZ52G, 4HZ53G, 5DVP8, 5DVR2-5DVR4, 6KWH7, 20FT10, 20FT11, 36WG76- 36WG78, 48C180, 48C181	*
Overlap (inches)	_	1/4	1/2
Gap (inches)	3/32	-	-

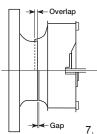


Figure 4

- a. Centering can be accomplished by loosening the fasteners holding the drive frame to the shock mounts and repositioning the drive frame.
- Wheel and inlet cone overlap can be adjusted by loosening the set screws in the wheel and moving the wheel to the desired position.
 Tighten all fasteners and set screws securely.
- Check all fasteners for tightness.
- 8. The motor's amperage and voltage rating must be checked for compatibility to the supply voltage prior to final electrical connection. Mount and wire safety disconnect switch under ventilator cover and wire motor per connection wiring diagram. See Electrical Connection. Consult local code authorities for your specific requirements. Wire control switches at ground level.

 $\underline{\text{NOTE}} :$ For non-flammable applications, the electrical supply can be routed through the conduit chase between the ventilator base and the bottom of the motor compartment.

Replace motor cover.

UL-705 Wall-Mount Installation

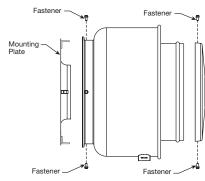


Figure 5

- Remove mounting plate from unit by removing the fasteners shown in Figure 5.
- Remove motor compartment cover by removing fasteners shown in Figure 5. Place cover on a flat surface in an area protected from strong winds.
- Locate the mounting plate at the desired position and check to avoid unit clearance problems. Cut the appropriate size square opening in the wall. Refer to Specifications on page 5.
- 4. Install optional backdraft damper with directional arrow pointing up.
- The top of the mounting plate is labeled, attach to the wall structure using appropriate fasteners (by others). The fasteners must pass through the holes provided in the mounting angle clips on the mounting plate. For uneven surfaces, shims may be required. See Figure 6.



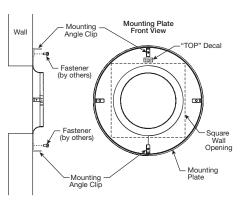


Figure 6

- 6. Sealant or caulking should be applied in the groove formed by the mounting plate and the wall to prevent moisture leakage into the building.
- Rotate the wheel by hand to ensure that it does not rub and rotates
 freely. Wheel position is preset and the unit is test run at the factory.
 Movement may occur during shipment and realignment may be
 necessary. Refer to Figure 7 and chart for proper overlap dimensions.

```
4HZ34, 4HZ35,
                                 4HZ42, 4HZ43, 4HZ46, 4HZ47,
                                                                   4HZ58.
                5DVN7, 5DVN9,
                                 4HZ50, 4HZ51, 4HZ54, 4HZ55,
                                                                   4HZ59.
                                 5DVP9, 6KWH9, 6KWJ0, 6KWJ1,
                5DVP1, 5DVP3,
                                                                   5DVR1.
                5DVP5, 5DVP7,
                                 6KWJ3, 20FT12, 20FT13, 20FT15,
                                                                   36WG83,
Model
                                 36WG80-36WG82, 48C185, 48C186
                                                                   48C187
                48C183, 48C184
Overlap (inches)
                                                1/4
                                                                      1/2
Gap (inches)
                     3/32
```

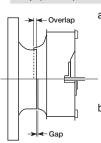


Figure 7

- a. Centering can be accomplished by loosening the fasteners located in the motor compartment. Additional vertical alignment can be accomplished by loosening the four fasteners on the drive frame support angles, and the two fasteners that hold the L-brackets to the support angles on top. Horizontal alignment can be made by loosening the bearings from the bearing plate.
- Wheel and inlet cone overlap can be adjusted by loosening the set screws in the wheel and moving the wheel to the desired position.
 Tighten all fasteners and set screws securely.
- 8. Re-attach ventilator to the mounting plate. The unit should be aligned with the breather tube pointing down. See Figure 8.

<u>NOTE</u>: For non-flammable applications, the electrical supply can be routed through the conduit chase between the mounting plate and the bottom of the motor compartment.

9. Guide the electrical chase through the hole in the motor compartment. The horizontal support channels should slide over the mounting angle clips on the mounting plate until the holes in the windband and clips are aligned. Replace fasteners removed in Step 1 and tighten. See Figure 8.

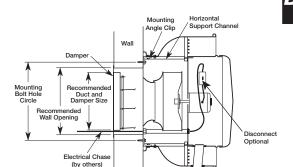


Figure 8

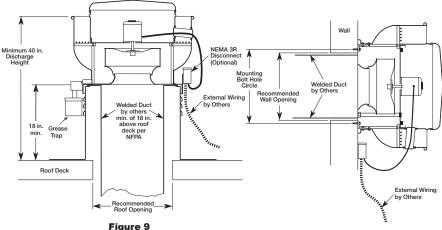
- 10. The motor's amperage and voltage rating must be checked for compatibility to the supply voltage prior to final electrical connection. Mount and wire safety disconnect switch under ventilator cover and wire motor per connection wiring diagram. See Electrical Connection. Consult local code authorities for your specific requirements. Wire control switches at ground level.
- Replace motor cover.

UL-762 Installation

NOTE: UL/cUL 762 Installations are for Restaurant Applications.

Minimum duct velocities must be maintained in **▲ WARNING** kitchen exhaust applications. If a speed controller is used, ensure compliance with all applicable codes.

NOTE: Location and placement should be analyzed for ventilators mounted on building wall, exhausting directly away from the building. Proximity to nearby buildings and people must be considered.



Install per NFPA 96 requirements for restaurant exhaust appliances.

NOTE: For NFPA Restaurant Applications, the electrical supply must enter the motor compartment through the breather tube. Consult local code authorities for your specific requirements.

- 2. Duct size must be equal to or larger than inlet opening. Some local codes require a continuous weld between duct and inlet.
- Keep motor cooling tube clear from obstructions. 3.
- 4. The following accessories may be required by NFPA-96 depending upon installation: Grease Collector Box. Hinge Kit. Clean-out Port. Vented Roof Curb and External Junction Box.

NOTE: A drain trough is provided on all Dayton roof mount upblast ventilators. Collection for grease and residue must be provided.

A WARNING

Do not use a damper in any kitchen exhaust application.

Electrical Connection

▲ CAUTION

Comply with all local codes including the National Electrical Code (NEC) and National Fire Protection Act (NFPA).

A CAUTION

Install in accordance to NEC 70 and NFPA reauirements.

IMPORTANT: Exhaust ventilators used in kitchen ventilation applications must have external wiring.

NOTE: Refer to motor nameplate for wiring procedures. Refer to switch manufacturer for installation and wiring procedures.

Motor and ventilator must be securely grounded (bare metal) to a suitable electric ground, such as a grounded water pipe or ground wire system.

NOTE: Motor and disconnect must be classified as hazardous for 20FT15 and 6KWJ3 ventilators to be suitable for use in hazardous environments Installation must be performed by qualified personnel with suitable motor and disconnect for application.

Wire motor for desired voltage per wiring diagram on motor, refer to Figure 10 for connection wiring diagram.

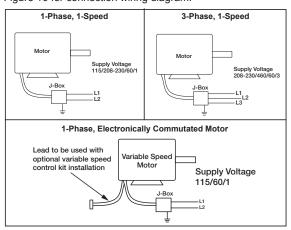


Figure 10

OPERATION

- Before starting up or operating the unit, check all fasteners for tightness. In particular, check set screws in wheel hub. While in the OFF position, or before connecting the ventilator to power, turn the ventilator wheel by hand to be sure it is not striking the orifice or any obstacle.
- Check wheel rotation (viewing from the shaft side) by momentarily energizing the unit. Rotation should be clockwise and correspond to the rotation decal on the unit.

IMPORTANT: Rotation of the wheel is critical and incorrect rotation will result in reduced air performance, increased motor loading and possible motor burnout.

- When the ventilator is started, observe the operation and check for any unusual noises.
- 4. With the system in full operation and all ductwork attached, measure current (amps) input to the motor and compare with the nameplate rating (full-load amps) to determine if the motor is operating under safe load conditions.
- Keep inlets and approaches to ventilator clean and free from obstruction.
- 6. Electronically commutated motors can be controlled two ways:
 - a. A motor mounted potentiometer is mounted on the case of the motor to adjust the speed manually. See Figure 11. Turn the potentiometer using a screwdriver to adjust the speed.



Figure 11

b. The motor includes a capped motor lead that can be connected to a Dayton variable-speed control kit. The motor lead cap can be removed and connected to the nine-pin motor/transformer harness lead. Follow installation instructions provided with optional speed control kit.



Remote Touch 35YV94



Remote Dial 43Y140



2-Speed 35YV92



Temp/Humidity 35YV93



TROUBLESHOOTING GUIDE

IKOOBLESH	DOTING GOIDE	
Symptom	Possible Cause(s)	Corrective Action
Ventilator	Blown fuse or breaker	Replace or repair
inoperative	2. Defective motor	2. Replace or repair
	3. Incorrectly wired	3. Shut power OFF and check wiring for proper connections
Excessive noise	1. Loose wheel	Tighten set screws
or vibration	Accumulation of material on wheel	2. Clean
	Ventilator base not securely anchored	3. Secure properly
	4. Motor hood loose and rattling	Tighten acorn nuts securing motor hood
	5. Fan wheel out of balance	5. Replace wheel
Insufficient airflow	1. Blocked duct or clogged filters	Clean or replace
	2. Damper closed	2. Inspect/repair
	3. Incorrect wheel rotation	3. Check motor wiring
	Loose fitting duct sections permitting air loss	Check for secure connection where duct sections are joined (suggest duct tape at seams for sealed closure)
Motor overloads	Shorted motor winding	Replace motor
or overheats	2. Incorrect wheel rotation	2. Check motor wiring
	3. Over/Under line voltage	3. Contact Power Company

MAINTENANCE

A WARNING

Disconnect and lockout power source before servicing.

A CAUTION

Uneven cleaning of the wheel will produce an out of balance condition that will cause

vibration in the ventilator.

 Depending on the usage and severity of the contaminated air, a regularly scheduled inspection for cleaning the ventilator wheel, housing and surrounding areas should be established. Severe applications may require weekly inspection.

IMPORTANT: Follow NEC 70 for cleaning when ventilator is installed on restaurant exhaust appliances.

<u>NOTE</u>: Removal of the entire power pack (motor, support pan and wheel) for maintenance or cleaning can be accomplished by removing the breather tube and fasteners. See Figure 12.

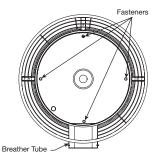


Figure 12

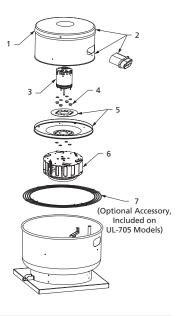
- 2. Check for unusual noises when ventilator is running.
- 3. Periodically inspect and tighten set-screws.
- 4. Follow motor manufacturer's instructions for motor lubrication.
- Grease containers must be emptied at regular intervals to prevent overflow.
- 6. For critical applications, a spare motor should be available.



REPAIR PARTS ILLUSTRATION FOR ROOF-MOUNT VENTILATORS

REPAIR PARTS LIST FOR ROOF-MOUNT VENTILATORS

Ref. No.	Description	Part Num	nber for Models 4HZ33G	: Qty.
1	Cover		21DY72	1
2	Hood Assembly	21DZ07	21DZ07	1
3	Motor	4YU32	4YU33	1
4	Isolator Kit	21DZ10	21DZ10	1
5	Support Plate	21DY78	21DY78	1
6	Wheel	21DY84	21DY86	1
7	Birdscreen	4ZA27†	4ZA27†	1
Ref.		Part Num	ber for Models	



Ref. No.	Description		nber for Mo		4H745G	4H748G	4HZ49G	Otv		
1	Cover	21DY73	21DY73	21DY73	21DY73	21DY74	21DY74	1		
2	Hood Assembly	21DZ09	21DZ09	21DZ09	21DZ09	21DZ71	21DZ71	1		
3	Motor	4YU23	4YU27	4YU19	4YU29	4YU19	4YY54	1		
4	Isolator Kit	21DZ10	21DZ10	21DZ10	21DZ10	21DY93	21DY93	1		
5	Support Plate	21DZ33	21DZ33	21DY10	21DY10	21DZ53	21DZ53	1		
6	Wheel	21DY91	21DY91	21DZ46	21DZ46	21DW39	21DW39	1		
7	Birdscreen	4YY78	4YY78	4YY78	4YY78	4YY79	4YY79	1		
Pof	Per Part Number for Models:									

Ref.		Part Number for Models:							
No.	Description	4HZ52G	4HZ53G	4HZ56G	4HZ57G	5DVN6	5DVN8	Qty.	
1	Cover	21DY74	21DY74	21DY75	21DY75	21DY72	21DY72	1	
2	Hood Assembly	21DZ71	21DZ71	21DZ72	21DZ72	21DZ07	21DZ07	1	
3	Motor	4YU20	4YY55	4YU22	4YU26	21DW27	4YU32	1	
4	Isolator Kit	21DY93	21DY93	21DY93	21DY93	21DZ10	21DZ10	1	
5	Support Plate	21DZ53	21DZ53	21DW38	21DZ35	21DY78	21DY78	1	
6	Wheel	21DZ44	21DX68	21DZ54	21DZ54	21DW32	21DY85	1	
7	Birdscreen	4YY79	4YY79	4YY80	4YY80	4ZA27†	4ZA27†	1	

For Repair Parts, call 1-800-Grainger 24 hours a day – 365 days a year

Please provide following information:

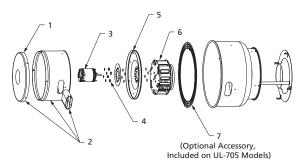
- -Model number
- -Serial number (if any)
- -Part description and number as shown in parts list

Ref.			ber for M					
No.	Description	5DVP0	5DVP2	5DVP4	5DVP6	5DVP8	5DVR0	Qty.
1	Cover	21DW30	21DW30	21DW30	21DW30	21DY73	21DY75	1
2	Hood Assembly		21DW41	21DW41	21DW41	21DZ09	21DZ72	1
3	Motor	1AGF8	1AGF8	21DW28	4YU34	4YU28	21DW29	1
4	Isolator Kit	21DZ10	21DZ10	21DZ10	21DZ10	21DZ10	21DV98	1
5	Support Plate	21DW31	21DW31	21DW31	21DW31	21DZ31	21DW38	1
6	Wheel	21DW33	21DP30	21DW34	21DY87	21EC48	21DW37	1
7	Birdscreen			<u> </u>	21DW49†	4YY78	4YY80	1
Ref.	Description	Part Num 5DVR2A	ber for Mo 5DVR3A	odels: 5DVR4A	6KWH7	6KWH8	20FT10	Qty.
1	Cover	21DY73	21DY74	21DY74	21DY74	21DY75	21DY73	1
2	Hood Assembly		21DZ71	21DZ71	21DZ05	21DV76	21DZ09	1
3	Motor	43Y136	43Y138	43Y138	21DV61	21DV66	4YU23	1
4	Isolator Kit	21DZ10	21DY93	21DZ10	21DZ10	21DV98	21DZ10	1
5	Support Plate	21DZ33	21DZ53	21DZ53	21DV79	21DV77	21DZ30	1
6	Wheel	21DY91	29PH76	21DZ44	21DZ44	21DV74	29PH74	1
7	Birdscreen	4YY78	4YY79	4YY79	4YY79	4YY80	4YY78	1
Ref.		Part Num	ber for M	odels:				
Ref. No.	Description	Part Num 20FT11	ber for M 36WG76	odels: 36W G 77	36WG78	36WG79	48C178	Qty.
	Description Cover				36WG78 21DY74	36WG79 21DY75	48C178 21DY72	Qty.
No.	<u> </u>	20FT11 21DY73	36WG76	36WG77				
No.	Cover	20FT11 21DY73	36WG76 21DY73	36WG77 21DY74	21DY74	21DY75	21DY72	1
No. 1	Cover Hood Assembly	20FT11 21DY73 21DZ09	36WG76 21DY73 21DZ09	36WG77 21DY74 21DZ71	21DY74 21DZ71	21DY75 21DZ72	21DY72 21DZ07	1
1 2 3	Cover Hood Assembly Motor	20FT11 21DY73 21DZ09 4YU27	36WG76 21DY73 21DZ09 41TL06	36WG77 21DY74 21DZ71 41TL06	21DY74 21DZ71 41TL06	21DY75 21DZ72 41TL07	21DY72 21DZ07 43Y135	1 1 1
No. 1 2 3 4	Cover Hood Assembly Motor Isolator Kit	20FT11 21DY73 21DZ09 4YU27 21DZ10	36WG76 21DY73 21DZ09 41TL06 21DZ10	36WG77 21DY74 21DZ71 41TL06 21DY93	21DY74 21DZ71 41TL06 21DZ10	21DY75 21DZ72 41TL07 21DY93	21DY72 21DZ07 43Y135 21DZ08	1 1 1
1 2 3 4 5	Cover Hood Assembly Motor Isolator Kit Support Plate	20FT11 21DY73 21DZ09 4YU27 21DZ10 21DZ30	36WG76 21DY73 21DZ09 41TL06 21DZ10 21DY10	36WG77 21DY74 21DZ71 41TL06 21DY93 21DZ53	21DY74 21DZ71 41TL06 21DZ10 21DZ53	21DY75 21DZ72 41TL07 21DY93 21DW38	21DY72 21DZ07 43Y135 21DZ08 21DY78	1 1 1 1
No. 1 2 3 4 5	Cover Hood Assembly Motor Isolator Kit Support Plate Wheel	21DY73 21DZ09 4YU27 21DZ10 21DZ30 29PH74 4YY78	36WG76 21DY73 21DZ09 41TL06 21DZ10 21DY10 21DY09 4YY78	36WG77 21DY74 21DZ71 41TL06 21DY93 21DZ53 29PH76 4YY79	21DY74 21DZ71 41TL06 21DZ10 21DZ53 21DZ44	21DY75 21DZ72 41TL07 21DY93 21DW38 21DW17	21DY72 21DZ07 43Y135 21DZ08 21DY78 21DY77	1 1 1 1 1
No. 1 2 3 4 5 6 7	Cover Hood Assembly Motor Isolator Kit Support Plate Wheel	21DY73 21DZ09 4YU27 21DZ10 21DZ30 29PH74 4YY78 Part Num 48C179	36We76 21DY73 21DZ09 41TL06 21DZ10 21DY10 21DY09 4YY78 ber for M-48C180	21DY74 21DZ71 41TL06 21DY93 21DZ53 29PH76 4YY79	21DY74 21DZ71 41TL06 21DZ10 21DZ53 21DZ44	21DY75 21DZ72 41TL07 21DY93 21DW38 21DW17	21DY72 21DZ07 43Y135 21DZ08 21DY78 21DY77	1 1 1 1 1
No. 1 2 3 4 5 6 7 Ref.	Cover Hood Assembly Motor Isolator Kit Support Plate Wheel Birdscreen	21DY73 21DZ09 4YU27 21DZ10 21DZ30 29PH74 4YY78	36WG76 21DY73 21DZ09 41TL06 21DZ10 21DY10 21DY09 4YY78	36WG77 21DY74 21DZ71 41TL06 21DY93 21DZ53 29PH76 4YY79	21DY74 21DZ71 41TL06 21DZ10 21DZ53 21DZ44 4YY79	21DY75 21DZ72 41TL07 21DY93 21DW38 21DW17	21DY72 21DZ07 43Y135 21DZ08 21DY78 21DY77	1 1 1 1 1 1
No. 1 2 3 4 5 6 7 Ref. No.	Cover Hood Assembly Motor Isolator Kit Support Plate Wheel Birdscreen Description	21DY73 21DZ09 4YU27 21DZ10 21DZ30 29PH74 4YY78 Part Num 48C179 21DW30	36We76 21DY73 21DZ09 41TL06 21DZ10 21DY10 21DY09 4YY78 ber for M-48C180	21DY74 21DZ71 41TL06 21DZ93 21DZ53 29PH76 4YY79 odels: 48C181	21DY74 21DZ71 41TL06 21DZ10 21DZ53 21DZ44 4YY79	21DY75 21DZ72 41TL07 21DY93 21DW38 21DW17	21DY72 21DZ07 43Y135 21DZ08 21DY78 21DY77	1 1 1 1 1 1 1
1 2 3 4 5 6 7 Ref. No. 1	Cover Hood Assembly Motor Isolator Kit Support Plate Wheel Birdscreen Description Cover	21DY73 21DZ09 4YU27 21DZ10 21DZ30 29PH74 4YY78 Part Num 48C179 21DW30	36We76 21DY73 21DZ09 41TL06 21DZ10 21DY10 21DY09 4YY78 ber for M 48C180 21DY73	36WG77 21DY74 21DZ71 41TL06 21DY93 21DZ53 29PH76 4YY79 odels: 48C181 21DY73	21DY74 21DZ71 41TL06 21DZ10 21DZ53 21DZ44 4YY79 48C182 21DY75	21DY75 21DZ72 41TL07 21DY93 21DW38 21DW17	21DY72 21DZ07 43Y135 21DZ08 21DY78 21DY77	1 1 1 1 1 1 1 Qty.
No. 1 2 3 4 5 6 7 Ref. No. 1 2	Cover Hood Assembly Motor Isolator Kit Support Plate Wheel Birdscreen Description Cover Hood Assembly	21DY73 21DZ09 4YU27 21DZ10 21DZ30 29PH74 4YY78 Part Num 48C179 21DW30 21DW41	36WG76 21DY73 21DZ09 41TL06 21DZ10 21DY10 21DY09 4YY78 ber for M 48C180 21DY73 21DZ09	36WG77 21DY74 21DZ71 41TL06 21DY93 21DZ53 29PH76 4YY79 odels: 48C181 21DZ73 21DZ09	21DY74 21DZ71 41TL06 21DZ10 21DZ53 21DZ44 4YY79 48C182 21DY75 21DZ72	21DY75 21DZ72 41TL07 21DY93 21DW38 21DW17	21DY72 21DZ07 43Y135 21DZ08 21DY78 21DY77	1 1 1 1 1 1 1 Qty.
No. 1 2 3 4 5 6 7 Ref. No. 1 2 3	Cover Hood Assembly Motor Isolator Kit Support Plate Wheel Birdscreen Description Cover Hood Assembly Motor	21DY73 21DZ09 4YU27 21DZ10 21DZ30 29PH74 4YY78 Part Num 48C179 21DW30 21DW41 43Y135	36WG76 21DY73 21DZ09 41TL06 21DZ10 21DY10 21DY09 4YY78 36Ber for M 48C180 21DY73 21DZ09 43Y137	36WG77 21DY74 21DZ71 41TL06 21DY93 21DZ53 29PH76 4YY79 odels: 48C181 21DY73 21DZ09 43Y138	21DY74 21DZ71 41TL06 21DZ10 21DZ53 21DZ44 4YY79 48C182 21DY75 21DZ72 43Y139	21DY75 21DZ72 41TL07 21DY93 21DW38 21DW17	21DY72 21DZ07 43Y135 21DZ08 21DY78 21DY77	1 1 1 1 1 1 1 Qty.
No. 1 2 3 4 5 6 7 Ref. No. 1 2 3 4	Cover Hood Assembly Motor Isolator Kit Support Plate Wheel Birdscreen Description Cover Hood Assembly Motor Isolator Kit	21DY73 21DZ09 4YU27 21DZ10 21DZ30 29PH74 4YY78 Part Num 48C179 21DW30 21DW41 43Y135 21DZ08	36WG76 21DY73 21DZ09 41TL06 21DZ10 21DY10 21DY09 4YY78 36er for M 48C180 21DY73 21DZ09 43Y137 21DZ10	36WG77 21DY74 21DZ71 41TL06 21DY93 21DZ53 29PH76 4YY79 odels: 48C181 21DZ73 21DZ09 43Y138 21DZ10	21DY74 21DZ71 41TL06 21DZ10 21DZ53 21DZ44 4YY79 48C182 21DY75 21DZ72 43Y139 21DY93	21DY75 21DZ72 41TL07 21DY93 21DW38 21DW17	21DY72 21DZ07 43Y135 21DZ08 21DY78 21DY77	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

[†] Birdscreen included on UL-705 models: 4HZ32, 4HZ33, 5DVN6, 5DVN8, 5DVP0, 5DVP4, 5DVP6, 48C178, 48C179.



REPAIR PARTS ILLUSTRATION FOR WALL-MOUNT VENTILATORS



REPAIR PARTS LIST FOR WALL-MOUNT VENTILATORS

Ref.		Part Number for Models:							
No.	Description	4HZ34G	4HZ35G	4HZ42G	4HZ43G	4HZ46G	4HZ47G	Qty.	
1	Cover	21DY72	21DY72	21DY73	21DY73	21DY73	21DY73	1	
2	Hood Assembly	21DZ07	21DZ07	21DZ09	21DZ09	21DZ09	21DZ15	1	
3	Motor	4YU32	4YU33	4YU23	4YU27	4YU19	4YU29	1	
4	Isolator Kit	21DZ10	21DZ10	21DZ10	21DZ10	21DZ10	21DZ04	1	
5	Support Plate	21DY78	21DY78	21DZ33	21DZ33	21DY10	21DY10	1	
6	Wheel	21DY84	21DY86	21DY91	21DY91	21DZ46	21DZ46	1	
7	Birdscreen	4ZA27†	4ZA27†	4YY78	4YY78	4YY78	4YY78	1	
Ref.		Part Num	ber for M	odels:					
Ref. No.	Description		nber for M 4HZ51G	odels: 4HZ54G	4HZ55G	4HZ58G	4HZ59G	Qty.	
	Description Cover				4HZ55G 21DY74	4HZ58G 21DY75	4HZ59G 21DY75	Qty.	
No.	<u> </u>	4HZ50G	4HZ51G	4HZ54G					
No.	Cover	4HZ50G 21DY74	4HZ51G 21DY74	4HZ54G 21DY74	21DY74	21DY75	21DY75	1	
No. 1 2	Cover Hood Assembly	4HZ50G 21DY74 21DZ16	4HZ51G 21DY74 21DZ71	4HZ54G 21DY74 21DZ16	21DY74 21DZ16	21DY75 21DZ72	21DY75 21DZ72	1 1	
No. 1 2 3	Cover Hood Assembly Motor	4HZ50G 21DY74 21DZ16 4YU19	4HZ51G 21DY74 21DZ71 4YY54	4HZ54G 21DY74 21DZ16 4YU20	21DY74 21DZ16 4YY55	21DY75 21DZ72 4YU22	21DY75 21DZ72 4YU26	1 1 1	
No. 1 2 3 4	Cover Hood Assembly Motor Isolator Kit	4HZ50G 21DY74 21DZ16 4YU19 21DY93	4HZ51G 21DY74 21DZ71 4YY54 21DZ10	4HZ54G 21DY74 21DZ16 4YU20 21DZ10	21DY74 21DZ16 4YY55 21DZ04	21DY75 21DZ72 4YU22 21DZ10	21DY75 21DZ72 4YU26 21DZ10	1 1 1	

For Repair Parts, call 1-800-Grainger 24 hours a day – 365 days a year

Please provide following information:

- -Model number
- -Serial number (if any)
- -Part description and number as shown in parts list

Ref. No.	Decerinties	Part Num 5DVN7	ber for M 5DVN9	lodels: 5DVP1	5DVP3	5DVP5	5DVP7	Otre
1	Description Cover	21DY72	21DY72	21DW30	21DW30	21DW30	21DW30	Qty.
2	Hood Assembly	21DT72	21DT72	21DW30 21DW41	21DW30	21DW30 21DW41	21DW30	1
3	Motor	21DZ07 21DW27	4YU32	1AGF8	1AGF8	21DW41 21DW28	4YU34	1
4	Isolator Kit	21DVV27	21DZ10	21DZ10	21DZ10	21DW28	21DZ10	1
								•
5	Support Plate	21DY78	21DY78	21DW31	21DW31	21DW31	21DW31	1
6	Wheel	21DW32		21DW33	21DP30	21DW34	21DY87	1
7	Birdscreen	4ZA27†	4AZ27†		2100049	21DW49†	21DW49T	1
Ref. No.	Description	Part Num 5DVP9	ber for M 5DVR1	lodels: 6KWH9A	6KWJ0A	6KWJ1A	20FT12	Qty.
	-	21DY73	21DY75		21DY74	21DY74	21DY73	1
1	Cover			21DY73				1
	Hood Assembly	21DZ09	21DZ72	21DZ09	21DZ16	21DZ16	21DZ09	•
3	Motor	4YU28	21DW29	43Y136	43Y138	43Y138	4YU23	1
4	Isolator Kit	21DZ10	21DV98	21DZ10	21DY93	21DZ04	21DZ10	1
5	Support Plate	21DY10	21DW38	21DZ33	21DZ53	21DZ32	21DZ30	1
6	Wheel	21EC48	21DW37	21DY91	29PH76	21DZ44	29PH74	1
7	Birdscreen	4YY78	4YY80	4YY78	4YY79	4YY79	4YY78	1
Ref.			ber for M					
No.	Description	20FT13	6KWJ3	20FT15	36WG80	36WG81	36WG82	Qty.
1	Cover	21DY73	21DY73	21DY73	21DY73	21DY74	21DY74	1
2	Hood Assembly	21DZ09	20DZ09	21DZ09	21DZ09	21DZ16	21DZ16	1
3	Motor	4YU27	21DV65 ▲	21DV65▲	41TL06	41TL06	41TL06	1
4	Isolator Kit	21DZ10	21DZ04	21DZ04	21DZ10	21DY93	21DZ04	1
5	Support Plate	21DZ30	21DV80	21DV78	21DY10	21DZ53	21DZ32	1
*	Aluminum Rub		240004	240004				1
	Ring	_	21DP94	21DP94	_	_	_	1
6	Wheel	29PH74	21DV73	36FL76	21DY09	29PH76	21DZ44	1
7	Birdscreen†	4YY78	4YY78	4YY78	4YY78	4YY79	4YY79	1
Ref. Part Number for Models:								
No.	Description	36WG83	48C183	48C184	48C185	48C186	48C187	Qty.
1	Cover	21DY75	21DY72	21DW30	21DY73	21DY73	21DY75	1
2	Hood Assembly	21DZ72	21DZ07	21DW41	21DZ09	21DZ09	21DZ72	1
3	Motor	41TL07	43Y135	43Y135	43Y137	43Y138	43Y139	1
4	Isolator Kit	21DZ10	21DZ08	21DZ08	21DZ10	21DZ10	21DZ10	1
5	Support Plate	21DZ35	21DY78	21DW31	21DZ31	21DY10	21DZ35	1
6	Wheel	21DW17	21DY86	21DW34	21EC48	21DY09	21DW17	1
7	Birdscreen	4YY80	4ZA27†	21DW49†	4YY78	4YY78	4YY80	1
† Bird	dscreen included	on UL-705		HZ34, 4HZ	235, 5DVN	17, 5DVN9,	5DVP1,	

⁵DVP5, 5DVP7, 48C183, 48C184.

^{*} Not shown. For use with 20FT15 and 6KWJ3 in potentially hazardous locations.

[▲] Motors are UL Listed for Class I, Groups C&D and Class II, Groups F&G for hazardous locations.

DAYTON ONE-YEAR LIMITED WARRANTY

<u>PAYTON ONE-YEAR LIMITED WARRANTY.</u> All Dayton* product models covered in this manual are warranted by Dayton Electric Mfg. Co. ("Dayton") to the original user against defects in workmanship or materials under normal use for one year after date of purchase. If the Dayton product is part of a set, only the portion that is defective is subject to this warranty. Any product or part which is determined to be defective in material or workmanship and returned to an authorized service location, as Dayton or Dayton's designee designates, shipping costs prepaid, will be, as the exclusive remedy, repaired or replaced with a new or reconditioned product or part of equal utility or a full refund given, at Dayton's or Dayton's designee's option, at no charge. For limited warranty claim procedures, see "Warranty Service" below. This warranty is void if there is evidence of misuse, mis-repair, mis-installation, abuse or alteration. This warranty does not cover normal wear and tear of Dayton products or portions of them, or products or portions of them which are consumable in normal use. This limited warranty gives purchasers specific legal rights, and you may also have other rights which vary from jurisdiction to jurisdiction.

WARRANTY DISCLAIMERS AND LIMITATIONS OF LIABILITY RELATING TO ALL CUSTOMERS FOR ALL PRODUCTS

LIMITATION OF LIABILITY. TO THE EXTENT ALLOWABLE UNDER APPLICABLE LAW, DAYTON'S LIABILITY FOR CONSEQUENTIAL AND INCIDENTAL DAMAGES IS EXPRESSLY DISCLAIMED. DAYTON'S LIABILITY IN ALL EVENTS IS LIMITED TO AND SHALL NOT EXCEED THE PURCHASE PRICE PAID.

WARRANTY DISCLAIMER. A DILIGENT EFFORT HAS BEEN MADE TO PROVIDE PRODUCT INFORMATION AND ILLUSTRATE THE PRODUCTS IN THIS LITERATURE ACCURATELY; HOWEVER, SUCH INFORMATION AND ILLUSTRATIONS ARE FOR THE SOLE PURPOSE OF IDENTIFICATION, AND DO NOT EXPRESS OR IMPLY A WARRANTY THAT THE PRODUCTS ARE MERCHANTABLE, OR FIT FOR A PARTICULAR PURPOSE, OR THAT THE PRODUCTS WILL NECESSARILY CONFORM TO THE ILLUSTRATIONS OR DESCRIPTIONS. EXCEPT AS PROVIDED BELOW, NO WARRANTY OR AFFIRMATION OF FACT, EXPRESSED OR IMPLIED, OTHER THAN AS STATED IN THE "LIMITED WARRANTY" ABOVE IS MADE OR AUTHORIZED BY DAYTON.

PRODUCT SUITABILITY. MANY JURISDICTIONS HAVE CODES AND REGULATIONS GOVERNING SALES, CONSTRUCTION, INSTALLATION, AND/OR USE OF PRODUCTS FOR CERTAIN PURPOSES, WHICH MAY VARY FROM THOSE IN NEIGHBORING AREAS. WHILE ATTEMPTS ARE MADE TO ASSURE THAT DAYTON PRODUCTS COMPLY WITH SUCH CODES, DAYTON CANNOT GUARANTEE COMPLIANCE, AND CANNOT BE RESPONSIBLE FOR HOW THE PRODUCT IS INSTALLED OR USED. BEFORE PURCHASE AND USE OF A PRODUCT, REVIEW THE SAFETY/SPECIFICATIONS, AND ALL APPLICABLE NATIONAL AND LOCAL CODES AND REGULATIONS, AND BE SURE THAT THE PRODUCT. INSTALLATION. AND USE WILL COMPLY WITH THEM.

CONSUMERS ONLY. CERTAIN ASPECTS OF DISCLAIMERS ARE NOT APPLICABLE TO CONSUMER PRODUCTS SOLD TO CONSUMERS; (A) SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU; (B) ALSO, SOME JURISDICTIONS DO NOT ALLOW A LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU; AND (C) BY LAW, DURING THE PERIOD OF THIS LIMITED WARRANTY, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLICABLE TO CONSUMER PRODUCTS PURCHASED BY CONSUMERS. MAY NOT BE EXCLUDED OR OTHERWISE DISCLAIMED.

THIS LIMITED WARRANTY ONLY APPLIES TO UNITED STATES PURCHASERS FOR DELIVERY IN THE UNITED STATES.

WARRANTY SERVICE

To obtain warranty service if you purchased the covered product directly from W.W. Grainger, Inc. ("Grainger"), (i) write or call or visit the local Grainger branch from which the product was purchased or another Grainger branch near you (see www.grainger.com for a listing of Grainger branches); or (ii) contact Grainger by going to www.grainger.com and clicking on the "Contact Us" link at the top of the page, then clicking on the "Email us" link; or (iii) call Customer Care (toll free) at 1-888-361-8649. To obtain warranty service if you purchased the covered product from another distributor or retailer, (i) go to www.grainger.com for Warranty Service; (ii) write or call or visit a Grainger branch near you; or (iii) call Customer Care (toll free) at 1-888-361-8649. In any case, you will need to provide, to the extent available, the purchase date, the original invoice number, the stock number, a description of the defect, and anything else specified in this Dayton One-Year Limited Warranty. You may be required to send the product in for inspection at your cost. You can follow up on the progress of inspections and corrections in the same ways. Title and risk of loss pass to buyer on delivery to common carrier, so if product was damaged in transit to you, file claim with carrier, not retailer, Grainger or Dayton. For warranty information for purchasers and/or delivery outside the United States, please use the following applicable contact information:

Dayton Electric Mfg. Co., 100 Grainger Parkway, Lake Forest, IL 60045 U.S.A. or call +1-888-361-8649