





# 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, 52CD36-52CD41



PLEASE READ AND SAVE THESE INSTRUCTIONS. READ CAREFULLY BEFORE ATTEMPTING TO ASSEMBLE, INSTALL, OPERATE OR MAINTAIN THE PRODUCT DESCRIBED.

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	:

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#### **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)
- 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<sup>®</sup> 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.

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# Dayton®

#### GENERAL SAFETY INSTRUCTIONS

**▲ DANGER** 

Do not depend on any switch as the sole means 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

A WARNING

power source.

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.

UL/cUL 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.
- 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.
- 4. 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.
- 8. Never open access door to a duct with the ventilator running.

**OPERATION** 

# **SPECIFICATIONS**

Model	4HZ32G, 4HZ33G, 5DVNG, 5DVN8, 5DVP0, 5DVP2, 5DVP4, 5DVP06, 48C178∆, 48C179∆	20FT10, 20FT11, 4HZ40G, 4HZ41G, 4HZ44G, 4HZ44G, 4HZ42G, 4HZ48G, 4HZ49G, 4HZ52G, 4HZ52G, 4HZ57G, 5DVP8, 5DVR0, 5DVR2AA - 5DVR4AA, 6KWH7, 6KWH8, 20FT10, 20FT11, 36WG76A - 36WG79A, 48C180A - 48C182A, 52CD36A - 52CD38A	4HZ34G, 4HZ35G, 5DVN7, 5DVN9, 5DVP1, 5DVP3, 5DVP5, 5DVP7, 48C183∆, 48C184∆	20FT12, 20FT13, 4HZ42G, 4HZ43G, 4HZ46G, 4HZ4GG, 4HZ51G, 4HZ5G, 4HZ5GG, 5GFT12, 20FT13, 20FT15A, 36WG80∆ - 36WG83∆, 48C185△ - 48C187△ 52CD39△ - 52CD41△
Max. Inlet Temp.	130°F	300°F	130°F	300°F
Mounting Location	Roof	Roof	Wall	Wall
Housing Material		Spun A	Spun Aluminum	

∆ Electronically commutated ventilators include motor mounted potentiometer dial to adjust speed. Optional remote mount speed control kit 43Y140 Agency Compliance

AMCA Sound and Air

UL/cUL 762\*

UL/cUL 705

**UL/cUL 762**\*

UL/cUL 705

Agency Compliance

Wheel Type Includes

Aluminum, Backward Inclined Centrifugal

NEMA 1 Junction Box, △, ▲

▲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 can be purchased separately. 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.



REPAIR

MAINTENANCE / REPAIR	TROUE	TROUBLESHOOTING	OTING	OPI	OPERATION		ASSE	ASSEMBLY /		SAFETY / SPECIFICATIONS	TY / ATIONS		GETTING STARTED	ARTED
ions Ro	of-Moun	Dimensions Roof-Mount (inches)	7											Da
	48C178	4HZ32G 4HZ33G 5DVN6 5DVN8	5DVP0 5DVP2 5DVP4 5DVP6	48C179	20FT10 20FT11	52CD36	52CD36 48C180	48C181 36WG76		4HZ40G 4HZ41G 5DVR2A	5DVP8	4HZ44G	4HZ45G	ayton
Base Size (Sq.)	17	19	19	19	19	19	19	19	22	22	22	22	22	
Wheel Dia.	8-1/4	8-1/4	Ξ	=	Ξ	=	12-1/2	13-1/4	Ξ	=	12-1/2	13-1/4	13-1/4	
Shaft Dia.	1/2	5/16	1/2	1/2	1/2	2/8	1/2	2/8	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	17-1/2	17-1/2	17-1/2	17-1/2	17-1/2	
Recommended Damper Size (Sq.)	<b>o</b>	I	10	10	12	12	12	12	15	15	15	15	15	
Recommended Speed Control	43Y140	43Y140 48C172 48C172 43Y140 48C172 43Y140 43Y140 43Y140 48C172 43Y140 48C173 48C172	48C172	43Y140	48C172	43Y140	43Y140	43Y140	48C172	43Y140	48C173	48C172	I	
	4HZ48G 4HZ49G	4HZ48G 4HZ49G 52CD37		4HZ52G	5DVR3A 36WG77 4HZ52G 52CD38		5DVR4A 36WG78 4HZ53G 6KWH7	6KWH7	48C182 36WG79	4HZ56G 4HZ57G 6KWH8	5DVR0			
Base Size (Sq.)	26	26	26	26	26	26	26	56	30	30	30			
Wheel Dia.	14-3/4	14-3/4	14-3/4	16-1/2	16-1/2	16-1/2	16-1/2	16-1/2	18-1/2	18-1/2	21-1/4			
Shaft Dia.	1/2	1/2	2/8	2/8	2/8	2/8	1/2	2/8	2/8	1/2	2/8			
Recommended Roof Opening (Sq.)	21-1/2	21-1/2	21-1/2	21-1/2	21-1/2	21-1/2	21-1/2	21-1/2	25-1/2	25-1/2	25-1/2			
Recommended Damper Size (Sq.)	19	16	19	19	91	19	19	19	23	23	23			
Recommended Speed Control	48C172	48C172 43Y140	43Y140	48C172	43Y140	43Y140 48C172 43Y140 43Y140 48C173	48C173	1	43Y140	I	I			

Speed Control

# GETTING STARTED

SAFETY /
SPECIFICATIONS

ASSEMBLY / INSTALLATION

OPERATION

**TROUBLESHOOTING** 

# **Dimensions Wall-Mount (inches)**

4HZ34G         SDVP14 SDVN9         20FT12 SDVN9         20FT13 SDVN9			,	_										
14-3/4   17-7/8   17-7/8   19-3/4   1		48C183	4HZ34G 4HZ35G 5DVN7 5DVN9	5DVP1 5DVP3 5DVP5 5DVP7	48C184	20FT12 20FT13 4HZ42G 4HZ43G		20FT15 6KWJ3	52CD39	5DVP9	48C185	4HZ46G	4HZ47G	48C186 36WG80
8-1/4         11	Base Dia.	14-3/4	14-3/4	17-7/8	17-7/8	19-3/4	19-3/4	19-3/4	19-3/4	19-3/4	19-3/4	19-3/4	19-3/4	19-3/4
5/16         1/2 <td>Wheel Dia.</td> <td>8-1/4</td> <td>8-1/4</td> <td>7</td> <td>7</td> <td>Έ</td> <td>7</td> <td>7</td> <td>7</td> <td>12-1/2</td> <td>12-1/2</td> <td>13-1/4</td> <td>13-1/4</td> <td>13-1/4</td>	Wheel Dia.	8-1/4	8-1/4	7	7	Έ	7	7	7	12-1/2	12-1/2	13-1/4	13-1/4	13-1/4
8-1/2         10-1/2         10-1/2         12-1/2 </td <td>Shaft Dia.</td> <td>1/2</td> <td>5/16</td> <td>1/2</td> <td>1/2</td> <td>1/2</td> <td>1/2</td> <td>1/2</td> <td>2/8</td> <td>1/2</td> <td>1/2</td> <td>1/2</td> <td>1/2</td> <td>2/8</td>	Shaft Dia.	1/2	5/16	1/2	1/2	1/2	1/2	1/2	2/8	1/2	1/2	1/2	1/2	2/8
8         10         10         12 </td <td>Recommended Wall Opening (Sq.)</td> <td></td> <td>8-1/2</td> <td>10-1/2</td> <td>10-1/2</td> <td>12-1/2</td> <td>12-1/2</td> <td>12-1/2</td> <td>12-1/2</td> <td>12-1/2</td> <td>12-1/2</td> <td>12-1/2</td> <td>12-1/2</td> <td>12-1/2</td>	Recommended Wall Opening (Sq.)		8-1/2	10-1/2	10-1/2	12-1/2	12-1/2	12-1/2	12-1/2	12-1/2	12-1/2	12-1/2	12-1/2	12-1/2
48C172         48C172         43Y140         48C172         43Y140         —         43Y140         48C172         43Y140         48C172         43Y140         48C172         43Y140         48C172         43Y140         48C172         43Y140         48C172         43Y140         48C172         43Y140         43Y140         48C172         43Y140         -         -         43Y140         -	Recommended Damper Size (Sq.)		∞	10	10	12	12	12	12	12	12	12	12	12
stCD40         GKWJ0A         GKWJ1A         36WG82         4HZ59G         4BC187         4BC172         4BC172<	Recommended Speed Control	43Y140	48C172	48C172	43Y140	48C172	43Y140	I	43Y140	48C173	43Y140	48C172	I	43Y140
22-1/8         22-1/8         22-1/8         22-1/8         22-1/8         27-3/4         27-3/4         27-3/4         27-3/4           14-3/4         14-3/4         16-1/2         16-1/2         16-1/2         16-1/2         18-1/2         18-1/2         18-1/2           1/2         5/8         1/2         5/8         1/2         5/8         1/2         5/8           15-1/2         15-1/2         15-1/2         15-1/2         17-1/2         17-1/2         17-1/2           15         15         15         15         17         17         17           43Y140         43Y140         48C172         43Y140         -         43Y140         -         43Y140		4HZ50G 4HZ51G			4HZ55G	4HZ54G		4HZ58G 4HZ59G	48C187 36WG83	5DVR1				
14-3/4         14-3/4         16-1/2         16-1/2         16-1/2         18-1/2         18-1/2           1/2         5/8         5/8         5/8         5/8         5/8         5/8           15-1/2         15-1/2         15-1/2         15-1/2         17-1/2         17-1/2           15         15         15         15         17         17-1/2           43Y140         43Y140         48C172         43Y140         -         43Y140	Base Dia.	22-1/8	22-1/8	22-1/8	22-1/8	22-1/8	22-1/8	27-3/4	27-3/4	27-3/4				
1/2         5/8         1/2         5/8         5/8         1/2         5/8           15-1/2         15-1/2         15-1/2         15-1/2         17-1/2         17-1/2           15         15         15         15         17         17           43Y140         43Y140         48C172         43Y140         -         43Y140	Wheel Dia.	14-3/4	14-3/4	14-3/4	16-1/2	16-1/2	16-1/2	18-1/2	18-1/2	18-1/2				
15-1/2         15-1/2         15-1/2         15-1/2         15-1/2         17-1/2         17-1/2         17-1/2           15         15         15         15         17         17           43Y140         43Y140         48C172         43Y140          43Y140	Shaft Dia.	1/2	1/2	2/8	1/2	2/8	2/8	1/2	2/8	2/8				
15     15     15     15     17     17       43Y140     43Y140     48C173     48C172     43Y140     —     43Y140	Recommended Wall Opening (Sq.)	15-1/2	15-1/2	15-1/2	15-1/2	15-1/2	15-1/2	17-1/2	17-1/2	17-1/2				
<sup>1</sup> 48C172 43Y140 43Y140 48C173 48C172 43Y140 — 43Y140	Recommended Damper Size (Sq.)	15	15	15	15	15	15	17	17	17				
	Recommended Speed Control	48C172	43Y140	43Y140	48C173	48C172	43Y140	I	43Y140	I				

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#### **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	<u> </u>	_ !	1300	0.01	2.5
		I	ļ	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	<del>-</del>	_ !	1300	0.02	2.4
		I	ļ	1550	0.03	4.7
_	_			860	0.01	_
		I	ļ	1050	0.01	_
4HZ33G, 4HZ35G	1/25			1300	0.02	3.4
	.	48C178, 48C183	1/6	1550	0.04	4.9
_	_	I	ŀ	1140	0.02	_
_		I	ļ	1725	0.06	6.1
				1050	0.02	4.2
5DVP0, 5DVP1	1/20			1300	0.02	5.5
JD VI O, JD VI I	1/23			1550	0.05	7.2
				1050	0.03	4.3
5DVP2, 5DVP3	1/20	I <u> </u>	_ !	1300	0.02	5.3
3DVF2, 3DVI 3	1/20			1550	0.04	5.3 7.4
				860	0.00	7.4 —
_		I	ļ	1050	0.02	4.2
CD\/D4 ED\/DE	1/15	ı	ļ	1300	0.03	4.2 5.4
5DVP4, 5DVP5	1/10	48C179, 48C184	1/6			
		I	ļ	1550	0.09	7.5
_		I	ļ	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
_	_	1	ļ		0.067	
_	-	52CD36, 52CD39	1/2		0.21	_
_		I		2500	0.44	_



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.

.000"	.125"	CFM Ai .250"	r Delivery .375"	@ Static	Pressure .750"	Shown 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			209	199	<del>_</del>			
	247	133	470	_	_	_	_	_
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	<u> </u>	_	_	_
833	754	665	565	408	_	_	_	_
1260	1209	1156	1100	1041	918	759	639	_
	_	_	_	335	_	_	_	_
_	_	_	_	688	610	520	382	_
_	_	_	_	977	929	878	815	750

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.

<sup>‡ 208-230</sup>V, 1-Phase

<sup>† 208-230/460</sup>V, 3-Phase

<sup>▲</sup> Motors are UL Listed for use in hazardous locations.



#### **PERFORMANCE CONTINUED**

Model 115V, 1-Phase	НР	Model – ECM 115V, 1-Phase	НР	RPM	Max BHP	Sones @ .125" SP @ 5 Ft.	
_	_			860	0.04	0.6	
4HZ40G, 4HZ42G	1/6	5DVR2A, 6KWH9	1/4	1140	0.09	6.5	
4HZ41G, 4HZ43G, 6KWJ3▲	1/4			1725	0.29	12.5	
_	_			1275	0.17	_	
_	_	52CD37, 52CD40	3/4	1725	0.38	_	
_	_			2200	0.75	_	
_	_			860	0.06	5.6	
_	_	48C180, 48C185	1/2	1140	0.14	8.2	
5DVP8, 5DVP9	1/2			1725	0.48	16.7	
4HZ44G, 4HZ46G	1/8	20/1/070+ 20/1/000+		860	0.07	7.7	
_	_	36WG76‡, 36WG80‡, 48C181, 48C186	3/4	1140	0.17	11.8	
4HZ45G, 4HZ47G	3/4	400 101, 400 100		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	
_	_	EDVDOA CKALIO		1050	0.22	9.8	
_	_	5DVR3A, 6KWJ0, 36WG77‡, 36WG81‡	3/4	1300	0.43	12.8	
_	_	30000174, 30000014		1550	0.72	17.5	
_	_	EDVD4A GKW44A		550	0.07	_	
_	_	5DVR4A, 6KWJ1A, 36WG78±, 36WG82±	3/4	860	0.25	9.9	
4HZ53G, 4HZ55G, 6KWH7†	_	30000704, 30000024		1140	0.58	14.8	
_	_			1065			
_	_	52CD38, 52CD41	1	1340			
_	_			1725			
_	_			745	0.26	8.1	
4HZ56G, 4HZ58G	1/2	36WG79‡, 36WG83‡, 48C182, 48C187	1	860	0.40	11.1	
_	_	400 102, 400 107		1000	0.63	14.7	
4HZ57G, 4HZ59G, 6KWH8†	1	_	_	1140	0.93	16.5	
5DVR0†, 5DVR1†	2	_		1140	1.74	23	
‡ 208-230V, 1-Phase						·	

- † 208-230/460V, 3-Phase
- ▲ Motors are UL Listed for use in hazardous locations.

		CFM A	ir Delivery	@ Static	Pressure	Shown		
.000"	.125"	.250"	.375"	.500"	.750"	1.00"	1.25"	1.50"
732	625	481	_			_	_	_
970	897	806	707	_	_	_	_	_
1468	1422	1373	1315	1255	1129	970	_	_
_	_	_	_	833	700	492		
_	_	_	_	1256	1178	1098	999	879
_	_	_	_	1669	1617	1557	1496	1434
1015	905	781	581	_	_	_	_	_
1346	1261	1180	1091	981	_	_	_	_
2037	1979	1923	1869	1816	1710	1571	1406	1176
1180	1057	914	675	_	_	_	_	_
1564	1471	1379	1280	1144	_	_	_	_
2366	2305	2244	2183	2122	1994	1838	1646	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	1823	1349
1581	1303	_	_	_	_	_	_	_
2472	2315	2156	1918	1680	_	_	_	_
3277	3161	3035	2896	2745	2421	1983	_	_
_	_	_	_	1487	1252	_	_	_
_	_	_	_	2053	1897	1724	1513	_
_	_	_	_	2787	2680	2560	2439	2310
2815	2617	2448	2143	1763	_		_	_
3249	3074	2922	2732	2474	_	_	_	_
3778	3625	3486	3362	3190	2738	_	_	_
4307	4173	4045	3927	3822	3470	3072	2477	_
6412	6224	6036	5855	5674	5283	4837	4276	3445
 Desferences			tallation tu		:	D		

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.

## Dayton

#### INSTALLATION INSTRUCTIONS

**A 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**

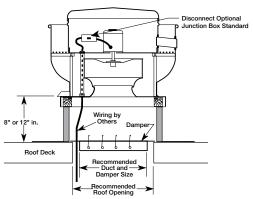


Figure 3
NOTE: Mount unit with a Dayton\* roof curb (purchased separately).

- 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.
- Install optional backdraft damper. Secure damper flange to curb damper tray.
- Remove motor compartment cover by removing fasteners. Place cover 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.
- 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, 52CD36-52CD38	4HZ56G, 4HZ57G, 5DVR0, 6KWH8, 36WG79, 48C182
Overlap (inches)	-	1/4	1/2
Gap (inches)	3/32	-	-

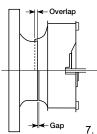


Figure 4

- 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.

<u>NOTE</u>: 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**

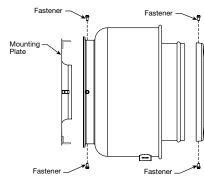


Figure 5

- 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.
- 5. 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.

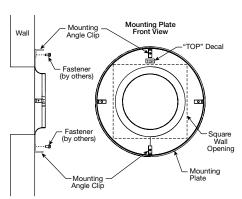


Figure 6

- 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.

```
4HZ42, 4HZ43, 4HZ46, 4HZ47,
                4HZ34, 4HZ35,
                                 4HZ50, 4HZ51, 4HZ54, 4HZ55,
                                                                   4HZ58,
                5DVN7, 5DVN9,
                                 5DVP9, 6KWH9, 6KWJ0, 6KWJ1,
                                                                   4HZ59,
                5DVP1, 5DVP3,
                                 6KWJ3, 20FT12, 20FT13, 20FT15,
                                                                   5DVR1,
                                 36WG80-36WG82, 48C185,
                5DVP5, 5DVP7,
                                                                   36WG83,
Model
                                 48C186, 52CD39-52CD41
                48C183, 48C184
                                                                   48C187
Overlap (inches)
                                                1/4
                                                                      1/2
Gap (inches)
                     3/32
```

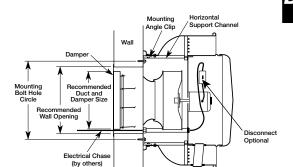
Overlap

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

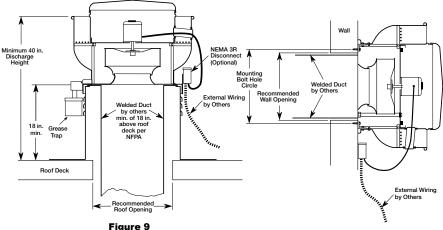
- 10. The motor's amperage and voltage rating must be checked for compatibility to the supply voltage prior to final electrical connection. Mount and wire safety disconnect switch under ventilator cover and wire motor per connection wiring diagram. See Electrical Connection. Consult local code authorities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

**A WARNING** Minimum duct velocities must be maintained in 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.



rigure

1. Install per NFPA 96 requirements for restaurant exhaust appliances.

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

Dayton

- Duct size must be equal to or larger than inlet opening. Some local codes require a continuous weld between duct and inlet.
- 3. Keep motor cooling tube clear from obstructions.
- 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.

<u>NOTE</u>: 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

(NFPA).

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

A CAUTION

Install in accordance to NEC 70 and NFPA requirements.

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

<u>NOTE</u>: 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.

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

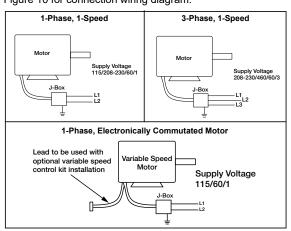


Figure 10



- 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

I KOORFE2H	OOTING GUIDE	
Symptom	Possible Cause(s)	<b>Corrective Action</b>
Ventilator	Blown fuse or breaker	Replace or repair
inoperative	2. Defective motor	2. Replace or repair
	3. Incorrectly wired	<ol><li>Shut power OFF and check wiring for proper connections</li></ol>
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	1. Clean or replace
	2. Damper closed	2. Inspect/repair
	3. Incorrect wheel rotation	<ol><li>Check motor wiring</li></ol>
	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
	Over/Under line voltage	Contact Power Company

#### **MAINTENANCE**

**A WARNING** 

will produce an out of

vibration in the ventilator.

Disconnect and lockout power source before servicing.

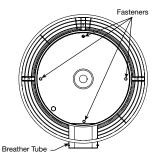
**A** CAUTION

Uneven cleaning of the wheel balance condition that will cause

 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 LEASE READ AND SAVE ROOF-MOUNT VENTILATORS THESE INSTRUCTIONS.

READ CAREFULLY
BEFORE ATTEMPTING
TO, ASSEMBLE, INSTALL,
OPERATE OF MAINTAIN THE
PRODUCT DESCRIBED.

PROTECT-YOURSELF AND
OTHERS OF OBSERVING ALL
SAFETY INFORMATION. FAILURE
TO COMPLY WITH INSTRUCTIONS
COULD RESULT IN PERSONAL CESSORY,
INJURY AND/OR PROFESSORY,
DAMAGE! RETAIN INSTRUCTIONS
FOR FUTURE REFERENCE.

### REPAIR PARTS LIST FOR ROOF-MOUNT VENTILATORS

Ref.

No. Description

**Part Number for Models:** 

PLEASE REFER TO BACK COVER

4HZ32G 4HZ33G 4HZ40G 4HZ41G 4HZ44G 4HZ45G Qtv

1	Cover	21DY72	21DY72	21DY73	215 Y 73	21DY73	10/73·	1
2	Hood Assembly	21DZ07	21DZ07	21DZ09	21DZ09	21DZ09	21DZ09	1
3	Motor	4YU32	4YU33	4YU23	4YU27	4YU19	4YU29	1
4	Isolator Kit	21DZ10	21DZ10	21DZ10	21DZ10	21DZ10	21DZ10	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 Mo	dels:				
No.	Description	4HZ48G	4HZ49G	4HZ52G	4HZ53G	4HZ56G	4HZ57G	Qty.
	<b>Description</b> Cover	<b>4HZ48G</b> 21DY74	<b>4HZ49G</b> 21DY74		<b>4HZ53G</b> 21DY74	<b>4HZ56G</b> 21DY75	<b>4HZ57G</b> 21DY75	<b>Qty.</b> 1
No.	-			4HZ52G				
<b>No.</b>	Cover	21DY74	21DY74	<b>4HZ52G</b> 21DY74	21DY74	21DY75	21DY75	1
1 2	Cover Hood Assembly	21DY74 21DZ71	21DY74 21DZ71	<b>4HZ52G</b> 21DY74 21DZ71	21DY74 21DZ71	21DY75 21DZ72	21DY75 21DZ72	1
No. 1 2 3	Cover Hood Assembly Motor	21DY74 21DZ71 4YU19	21DY74 21DZ71 4YY54	4HZ52G 21DY74 21DZ71 4YU20	21DY74 21DZ71 4YY55	21DY75 21DZ72 4YU22	21DY75 21DZ72 4YU26	1 1 1
No. 1 2 3 4	Cover Hood Assembly Motor Isolator Kit	21DY74 21DZ71 4YU19 21DY93	21DY74 21DZ71 4YY54 21DY93	4HZ52G 21DY74 21DZ71 4YU20 21DY93	21DY74 21DZ71 4YY55 21DY93	21DY75 21DZ72 4YU22 21DY93	21DY75 21DZ72 4YU26 21DY93	1 1 1

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

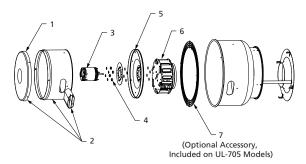
Serial #:	
Durch Date	

Form 5S6829 / Printed in USA
04632 Version 2 10/2014
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Ref.			ber for M					
No.	Description	5DVN6	5DVN8	5DVP0	5DVP2	5DVP4	5DVP6	Qty.
1	Cover Hood Assembly	21DY72	21DY72 21DZ07	21DW30 21DW41	21DW30 21DW41	21DW30 21DW41	21DW30 21DW41	1
3	Motor	21DZ07 21DW27	4YU32	1AGF8	1AGF8	21DW41 21DW28	4YU34	1
4	Isolator Kit	21DV27	21DZ10	21DZ10	21DZ10	21DV20	21DZ10	1
5	Support Plate	21DY78	21D210 21DY78	21DZ10 21DW31	21DW31	21DZ10	21DZ10	1
6	Wheel	21DW32	21DY85	21DW31	21DP30	21DW34	21DY87	1
7	Birdscreen	4ZA27†	4ZA27†			21DW49†		
	Dirascreen		ber for M	·	2101143	21000401	21000401	
Ref. No.	Description	5DVP8	5DVR0	5DVR2A	5DVR3A	5DVR4A	6KWH7	Qty.
1	Cover	21DY73	21DY75	21DY73	21DY74	21DY74	21DY74	1
2	Hood Assembly	21DZ09	21DZ72	21DZ09	21DZ71	21DZ71	21DZ05	1
3	Motor	4YU28	21DW29	43Y136	43Y138	43Y138	21DV61	1
4	Isolator Kit	21DZ10	21DV98	21DZ10	21DY93	21DZ10	21DZ10	1
5	Support Plate	21DZ31	21DW38	21DZ33	21DZ53	21DZ53	21DV79	1
6	Wheel	21EC48	21DW37	21DY91	29PH76	21DZ44	21DZ44	1
7	Birdscreen	4YY78	4YY80	4YY78	4YY79	4YY79	4YY79	1
Ref.			ber for M					
No.	Description	6KWH8	20FT10	20FT11	36WG76	36WG77	36WG78	
1	Cover	21DY75	21DY73	21DY73	21DY73	21DY74	21DY74	1
2	Hood Assembly	21DV76	21DZ09	21DZ09	21DZ09	21DZ71	21DZ71	1
3	Motor	21DV66	4YU23	4YU27	41TL06	41TL06	41TL06	1
4	Isolator Kit	21DV98	21DZ10	21DZ10	21DZ10	21DY93	21DZ10	1
5	Support Plate	21DV77	21DZ30	21DZ30	21DY10	21DZ53	21DZ53	1
6	Wheel	21DV74	29PH74	29PH74	21DY09	29PH76	21DZ44	1
7	Birdscreen	4YY80	4YY78	4YY78	4YY78	4YY79	4YY79	1
Ref.	B		ber for M		400400	400404	400400	04
No.	Description	36WG79	48C178	48C179	48C180	48C181	48C182	Qty.
1	Cover	21DY75	21DY72	21DW30	21DY73	21DY73	21DY75	1
2	Hood Assembly		21DZ07	21DW41	21DZ09	21DZ09	21DZ72	1
3	Motor	41TL07	43Y135	43Y135	43Y137	43Y138	43Y139	1
4	Isolator Kit	21DY93	21DZ08	21DZ08	21DZ10	21DZ10	21DY93	1
5	Support Plate	21DW38	21DY78	21DW31	21DZ31	21DY10	21DW38	1
6	Wheel	21DW17	21DY77	21DW34	21EC48	21DY09	21DW17	1
7	Birdscreen	4YY80		21DW49†	4YY78	4YY78	4YY80	1
Ref. No.	Description	Part Num 52CD39	ber for M 52CD40	odels: 52CD41				Qty.
1	Cover	21DY73	21DY74	21DY74				1
2	Hood Assembly		21DZ16	21DZ16				1
3	Motor	43Y137	43Y138	43Y138				1
4	Isolator Kit	21DZ10	21DY93	21DY93				1
5	Support Plate	21DZ30	21DZ53	21DZ53				1
6	Wheel	62XJ36	62XJ37	21DW36				1
7	Birdscreen	4YY78	4YY79	4YY79				1



#### REPAIR PARTS ILLUSTRATION FOR WALL-MOUNT VENTILATORS



#### REPAIR PARTS LIST FOR WALL-MOUNT VENTILATORS

Dof		Port Nun	ber for M	odolcı				
Ref. No.	Description				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	21DZ10	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

'	Diruscreen	42A21	42A21	41170	41170	41170	41170	_ '
Ref.			nber for M					
No.	Description	4HZ50G	4HZ51G	4HZ54G	4HZ55G	4HZ58G	4HZ59G	Qty.
1	Cover	21DY74	21DY74	21DY74	21DY74	21DY75	21DY75	1
2	Hood Assembly	21DZ16	21DZ71	21DZ16	21DZ16	21DZ72	21DZ72	1
3	Motor	4YU19	4YY54	4YU20	4YY55	4YU22	4YU26	1
4	Isolator Kit	21DY93	21DZ10	21DZ10	21DZ04	21DZ10	21DZ10	1
5	Support Plate	21DZ53	21DZ53	21DZ53	21DZ32	21DZ35	21DZ35	1
6	Wheel	21DW39	21DW39	21DZ44	21DX68	21DZ54	21DZ54	1
7	Birdscreen	4YY79	4YY79	4YY79	4YY79	4YY80	4YY80	1

- † Birdscreen included on UL-705 models: 4HZ34, 4HZ35, 5DVN7, 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.

### 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

Dayton

Ref.		Part Nun	nber for M	odels:				
No.	Description	5DVN7	5DVN9	5DVP1	5DVP3	5DVP5	5DVP7	Qty
1	Cover	21DY72			21DW30		21DW30	1
2	Hood Assembly		21DZ07		21DW41	21DW41		1
3	Motor	21DW27		1AGF8	1AGF8	21DW28	4YU34	1
4	Isolator Kit	21DZ10	21DZ10	21DZ10	21DZ10	21DZ10	21DZ10	1
5	Support Plate	21DY78	21DY78	21DW31	21DW31	21DW31	21DW31	1
6	Wheel	21DW32		21DW33	21DP30	21DW34	21DY87	1
7	Birdscreen	4ZA27†	4AZ27†	21DW49†	21DW49	21DW49†	21DW49†	1
Ref. No.	Description	Part Num 5DVP9	nber for M 5DVR1	lodels: 6KWH9A	6KWJ0A	6KWJ1A	20FT12	Qty
1	Cover	21DY73	21DY75	21DY73	21DY74	21DY74	21DY73	1
2	Hood Assembly		21D773	21DT73	21DT/4	21DT74	21DT73	1
3	Motor	4YU28	21DW29		43Y138	43Y138	4YU23	1
4	Isolator Kit	21DZ10	21DV98	21DZ10	21DY93	21DZ04	21DZ10	1
5	Support Plate	21DY10	21DW38		21DZ53	21DZ32	21DZ30	1
6	Wheel	21EC48			29PH76	21DZ44	29PH74	1
7	Birdscreen	4YY78	4YY80	4YY78	4YY79	4YY79	4YY78	1
Ref.		Part Nun	nber for M	odels:				
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 Ring	_	21DP94	21DP94	_	_	_	1
6	Wheel	29PH74	21DV73	36FL76	21DY09	29PH76	21DZ44	1
7	Birdscreen†	4YY78	4YY78	4YY78	4YY78	4YY79	4YY79	1
Ref.	Description		nber for M	lodels: 48C184	48C185	48C186	490497	Qty
No.		36WG83	48C183				48C187	Qty 1
1	Cover	21DY75			21DY73	21DY73	21DY75	1
2	Hood Assembly Motor	21DZ72 41TL07	21DZ07	21DW41	21DZ09 43Y137	21DZ09	21DZ72	1
4		*.	43Y135	43Y135		43Y138	43Y139	1
· ·	Isolator Kit	21DZ10 21DZ35	21DZ08	21DZ08	21DZ10	21DZ10	21DZ10	-
5	Support Plate		21DY78	21DW31	21DZ31	21DY10	21DZ35	1
6	Wheel	21DW17		21DW34	21EC48	21DY09	21DW17	-
7	Birdscreen	4YY80		21DW49†	4YY78	4YY78	4YY80	1
Ref. No.	Description	Part Num 52CD39	nber for M 52CD40					Qty
1	Cover		21DY74					1
2	Hood Assembly							1
3	Motor	43Y137		43Y138				1
4	Isolator Kit	21DZ10						1
5	Support Plate	21DZ30						1
6	Wheel	62XJ36	62XJ37	21DW36				1
7	Birdscreen	4YY78	4YY79	4YY79				1
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#### **DAYTON ONE-YEAR LIMITED WARRANTY**

<u>DAYTON 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.

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#### **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