1 Ventilation Checklist 1—Forced Air Systems SENTENCE 9.32.3.4(2)

Use this Checklist where **forced air heating system ducts intake and distribute** ventilation air.

Civic Address_____ Permit No._____

Climate Zone: 5 Number of Bedrooms _____ (A) A bedroom is a room with an openable window (minimum dimensions apply), a closet and a closing interior door.

Total Floor area of living space _____ ft² (B)

Total Interior Volume of Dwelling _____ ft³ Total volume includes all heated interior spaces (including crawlspace if heated).

.5 ACH (air changes/hr) = Volume x 0.5 ÷ 60 = _____ cfm (C) Exhaust appliances exceeding .5 ACH may require make-up air.

1. Principal Ventilation System Exhaust Fan Minimum Air-flow Rate

Use the bedroom count from Box (A) and Total square footage from Box (B) above and Table 9.32.3.5. to determine

Minimum Required Prinicpal Exhaust System Capacity _____ cfm (D)

2. Principal System Fan Choice

a) Exhaust Fan continuous running Make_____Model_____ Sone Rating ____

Location: _____ **Capacity at 0.2 ESP** _____ cfm (E) Must be ≥ than Box (D)

If CEV, capacity @0.4ESP

3. Fan Duct Size and Equivalent Length

a) Installed Equivalent Length:

Length of duct _____ft **+** Ext. hood **30 ft +** (____# elbows at 10 ft each =_____) = _____ ft (F)

b) Choose type of duct: Flex duct ☐ or Rigid (smooth) duct ☐

c) Duct size required to flow Box E cfm through Box F equivalent length of duct = _____ in Ø

Use Table 9.32.3.8 (3) to determine duct size.

4. Required Kitchen and Bathroom Exhaust Fans: Re-list below if Principal Exhaust Fan meets all or part of Kitchen/Bathroom spot Exhaust requirements.

ROOM	REQUIRED EXHAUST RATE **Table 9.32.3.6**	EXHAUST EQUIPMENT						
		Spot Exhaust Kitchen & Bath WALL/CEILING FANS						Ex.Fan/CEV
		Fan Make & Model	CFM @ 0.2 ESP Manf. Rated	*Duct Sizing per Table 9.32.3.8.(3)				Principal System CFM
				Duct Dia (in Ø) rigid	Duct Dia (in Ø) flex	Max. Equiv. Length per table	Installed Equiv. Length	

* For fan capacities **exceeding** 175cfm in Table 9.32.3.8(3), follow manufacturer's installation instructions or use good engineering practice to size duct. See *Ventilation Guidelines* Appendix page 16-A, *Duct Sizing for Larger Fans*.

TOTAL (must = Box E) _____

Removed reference to RADON in Make-up Air Requirements

5. Fresh Air must be ducted from outside to Return Air of Forced Air Heating for distribution.

☐ a) Ventilation air duct is connected not more than 15ft, nor less than 10ft upstream of the heating appliance, unless a flow control device is used.

b) Duct Size for Fresh Air intake to RA. Choose one.

☐ Rigid Duct: 4" Ø minimum, must be insulated & vapour barriered for full length, OR

☐ Flex Duct: 5"Ø minimum, must be insulated & vapour barriered for full length.

☐ ***c) Furnace fan continuous operation.***

☐ **6. Forced Air Heating System is ducted to supply air to every bedroom and any level without a bedroom.**

7. If Heated Crawlspace present, (Choose one)

☐ Minimum of one RA grille located in the crawlspace, OR

☐ No RA grille in crawlspace, choose ventilation Option 1, 2, or 3 per sentence 9.32.3.7 (2)

MAKE-UP AIR Requirements

1. NAFFVA (Naturally Aspirated Fuel Fired Vented Appliance) **present in dwelling unit?** (per Sentence 9.32.4.1)

☐ **No**, Omit Steps 2 & 3

☐ **Yes,** Proceed to Step 2

2. Exhaust Appliance present which exceeds Box C 0.5 ACH:

☐ **No such appliance**. Omit Step 3

☐ **Yes,** Commit to Depressurization Test (See CAUTION, TECA Vent Manual pg 24)

☐ **Yes,** Proceed to Step 3

3. Use Active Make-up Air for Exhaust Appliance. (Choose a or b)

Make-up Air Fan required: **Exhaust Appliance Actual Installed Cfm** _____

Fan Make _____ Model _____ **Make-up Air Fan Cfm** _____

Duct diameter _____inches Fan Location _____

☐ ***Fan interconnected with exhaust appliance fan.*** Fan ducted to _____

a) Active Make-up Air delivered to an Unoccupied Area first (not directly to room containing the appliance).

i) Tempering Required per 9.32.4.1.(4)(a):

Show calculation how make-up air will be tempered to at least 34°F (1°C) before entering unoccupied area.

$$\frac{\text{Make-up Fan cfm}\_\_\_\_\_ \times 1.08 \times (\mathbf{34°\ F} - \_\_\_\_\ °\text{F Winter Design Temp your location})}{3412\ \text{BTUH/kw}} = \_\_\_\_\_\ (\text{kw})\ \text{Duct Heater}$$

ii) Transfer Grill Required: Size 1 sq in of gross area per 2 cfm: Transfer grill size ____sq. in. Location _____

iii) Additional Tempering Required per 9.32.4.1.(4)(b) before transfer to occupied area: Show calculation and **describe how make-up air will be further tempered** to at least 54°F (12°C).

$$\frac{\text{Make-up Fan }\_\_\_\_\text{cfm} \times 1.08 \times (\mathbf{54°\ F} - 34°\text{F})}{3412\ \text{BTUH/kw}} = \_\_\_\_\_(\text{kw})\ \text{Heat from unoccupied area required to raise temp by 20°F}$$

Tempered by: _____

OR b) Active Make-up Air delivered to an Occupied Area: Tempering Required. Show calculation how make-up air will be tempered to at least 54°F (12°C).

$$\frac{\text{Make-up Fan cfm}\_\_\_\_\_ \times 1.08 \times (\mathbf{54°\ F} - \_\_\_\_\_°\text{F Winter Design Temp your location})}{3412\ \text{BTUH/kw}} = \_\_\_\_\_\ (\text{kw})\ \text{Duct Heater}$$

Installer Certification:

I hereby certify that the design and installation of the ventilation system complies with the 2012 B.C. Building Code, 2014 Section 9.32 Amendment.

2012 TECA Ventilation Certification Stamp

Date _____

Print Name_____

Signature_____

Company_____

Phone _____

Checklist 1, page2of2

Permits applied for after 01 December 2015

2014 Amendment to Section 9.32 Ventilation

2 Ventilation Checklist 2—HRV Systems SENTENCE 9.32.3.4 (3) & (4)

Use this checklist when a centrally ducted HRV (heat recovery ventilator) is used alone or in combination with a Forced Air Heating System to meet principal ventilation system requirements.

Civic Address_____ Permit No._____

Climate Zone: 5 Number of Bedrooms _____ (A) A bedroom is a room with an openable window (minimum dimensions apply), a closet and a closing interior door.

Total Floor area of living space _____ ft² (B)

Total Interior Volume of Dwelling _____ ft³ Total volume includes all heated interior spaces (including crawlspace if heated).

.5 ACH (air changes/hr) = Volume x 0.5 ÷ 60 = _____ cfm (C) Exhaust appliances exceeding .5 ACH may require make-up air.

1. Use the bedroom count (Box A above) and total square footage (Box B above) to determine the minimum principal Air Flow rate required by Table 9.32.3.5

Minimum Required Rate _____ cfm (D)

2. HRV Make _____ **Model** _____

3. HRV Capacity: CFM @ 0.4 ESP. Box E must meet Box D requirement. _____ cfm (E)

4. List Exhaust Grilles Locations: 1 minimum @ 6 ft or higher from floor of uppermost level.

_____ _____

_____ _____

_____ _____

5. Required Kitchen and Bathroom Exhaust

If HRV used to meet all or part of Kitchen/Bathroom spot exhaust requirements list below.

ROOM	REQUIRED EXHAUST RATE **Table 9.32.3.6**	EXHAUST EQUIPMENT						
		Spot Exhaust Kitchen & Bath WALL/CEILING FANS						HRV
		Fan Make & Model	CFM @ 0.2 ESP Manf. Rated	*Duct Sizing per Table 9.32.3.8.(3)				Principal System CFM
				Duct Dia (in Ø) rigid	Duct Dia (in Ø) flex	Max. Equiv. Length per table	Installed Equiv. Length	
							TOTAL (must = Box E)	

* For fan capacities **exceeding** 175cfm in Table 9.32.3.8(3), follow manufacturer's installation instructions or use good engineering practice to size duct. See *Ventilation Guidelines* Appendix page 16-A, *Duct Sizing for Larger Fans*.

 Checklist 2, pg1of2

Removed reference to RADON in Make-up Air Requirements

6. HRV Fresh Air Distribution (Choose a or b)

a) Supply Air from HRV direct connect to Return Air of a Forced Air Heating System:

☐ FA system fan and HRV fan continuous operation and

☐ FA system ducted to supply air to every bedroom and each floor level without a bedroom

b) Supply Air from HRV distributed independently

☐ Ducted to every bedroom and each floor level without a bedroom and

☐ HRV fan continuous operation

7. If Heated Crawlspace present, (Choose one)

☐ Minimum of one Forced Air System RA grille located in the crawlspace, OR

☐ No RA grille in crawlspace, choose ventilation Option 1, 2, or 3 per sentence 9.32.3.7 (2)

MAKE-UP AIR Requirements

1. NAFFVA (Naturally Aspirated Fuel Fired Vented Appliance) **present in dwelling unit?** (per Sentence 9.32.4.1)

☐ **No**, Omit Steps 2 & 3

☐ **Yes,** Proceed to Step 2

2. Exhaust Appliance present which exceeds Box C 0.5 ACH:

☐ **No such appliance**. Omit Step 3

☐ **Yes,** Commit to Depressurization Test (See CAUTION, TECA Vent Manual pg 24)

☐ **Yes,** Proceed to Step 3

3. Use Active Make-up Air for Exhaust Appliance. (Choose a or b)

Make-up Air Fan required: **Exhaust Appliance Actual Installed Cfm** _____

Fan Make _____ Model _____ **Make-up Air Fan Cfm** _____

Duct diameter _____inches Fan Location _____

☐ ***Fan interconnected with exhaust appliance fan.*** Fan ducted to _____

a) Active Make-up Air delivered to an Unoccupied Area first (not directly to room containing the appliance).

i) Tempering Required per 9.32.4.1.(4)(a):

Show calculation how make-up air will be tempered to at least 34°F (1°C) before entering unoccupied area.

$$\frac{\text{Make-up Fan cfm\_\_\_\_\_ X 1.08 X (\textbf{34° F} – \_\_\_\_\_ °F Winter Design Temp your location)}}{\text{3412 BTUH/kw}} = \text{\_\_\_\_\_ (kw) Duct Heater}$$

ii) Transfer Grill Required: Size 1 sq in of gross area per 2 cfm: Transfer grill size ____sq. in. Location _____

iii) Additional Tempering Required per 9.32.4.1.(4)(b) before transfer to occupied area: Show calculation and **describe how make-up air will be further tempered** to at least 54°F (12°C).

$$\frac{\text{Make-up Fan \_\_\_\_\_cfm x 1.08 x (\textbf{54° F} – 34°F)}}{\text{3412 BTUH/kw}} = \text{\_\_\_\_\_(kw) Heat from unoccupied area required to raise temp by 20°F}$$

Tempered by: _____

OR b) Active Make-up Air delivered to an Occupied Area: Tempering Required. Show calculation how make-up air will be tempered to at least 54°F (12°C).

$$\frac{\text{Make-up Fan cfm\_\_\_\_\_ x 1.08 x (\textbf{54° F} – \_\_\_\_\_°F Winter Design Temp your location)}}{\text{3412 BTUH/kw}} = \text{\_\_\_\_\_ (kw) Duct Heater}$$

Installer Certification:

I hereby certify that the design and installation of the ventilation system complies with the 2012 B.C. Building Code, 2014 Section 9.32 Amendment.

2012 TECA Ventilation Certification Stamp

Date _____

Print Name_____

Signature_____

Company_____

Phone _____

Checklist 2, pg2of2

3 Ventilation Checklist 3—Distributed CRV Systems SENTENCE 9.32.3.4(5)

Use this Checklist when a ducted Central Recirculating Ventilator (CRV) is used to meet the fresh air intake and distribution requirements and a Principal Exhaust fan meets the exhaust requirements.

Civic Address_____ Permit No._____

Climate Zone: 5 Number of Bedrooms [ ] (A) — A bedroom is a room with an openable window (minimum dimensions apply), a closet and a closing interior door.

Total Floor area of living space [ ] ft^2 (B)

Total Interior Volume of Dwelling [ ] ft^3 — Total volume includes all heated interior spaces (including crawlspace if heated).

.5 ACH (air changes/hr) = Volume x 0.5 ÷ 60 = [ ] cfm (C) — Exhaust appliances exceeding .5 ACH may require make-up air.

1. Principal Ventilation System Exhaust Fan Minimum Air-flow Rate

Use the bedroom count from Box (A) and Total square footage from Box (B) above and Table 9.32.3.5. to determine

Minimum Required Prinicpal Exhaust System Capacity [ ] cfm (D)

2. Principal System Fan Choice

a) Exhaust Fan continuous running Make_____Model_____ Sone Rating ____

Location: _____ **Capacity at 0.2 ESP** [ ] cfm (E) Must be ≥ than Box (D)

If CEV, capacity @0.4ESP

3. Fan Duct Size and Equivalent Length

a) Installed Equivalent Length:

Length of duct _____ft **+** Ext. hood **30 ft +** (____# elbows at 10 ft each =_____) = [ ] ft (F)

b) Choose type of duct: Flex duct ☐ or Rigid (smooth) duct ☐

c) Duct size required to flow Box E cfm through Box F equivalent length of duct = [ ] in Ø

Use Table 9.32.3.8 (3) to determine duct size.

4. Required Kitchen and Bathroom Exhaust Fans: Re-list below if Principal Exhaust Fan meets all or part of Kitchen/Bathroom spot Exhaust requirements.

ROOM	Required Exhaust Rate **Table 9.32.3.6**	EXHAUST EQUIPMENT: Spot Exhaust Kitchen & Bath WALL/CEILING FANS — Fan Make & Model	CFM @ 0.2 ESP Manf. Rated	*Duct Sizing per Table 9.32.3.8.(3) — Duct Dia (in Ø) rigid	flex	Max. Equiv. Length per table	Installed Equiv. Length	Ex.Fan/CEV Principal System CFM
						TOTAL (must = Box E)		

* For fan capacities **exceeding** 175cfm in Table 9.32.3.8(3), follow manufacturer's installation instructions or use good engineering practice to size duct. See *Ventilation Guidelines* Appendix page 16-A, *Duct Sizing for Larger Fans*.

 Checklist 3, pg1of2

Removed reference to RADON in Make-up Air Requirements

5. CRV Fresh Air Intake & Mixing Fan (Choose a or b)

☐ a) Box G CFM is minimum 2 times Box E cfm for **+5°F and warmer winter design temperature**.

☐ b) Box G CFM is minimum 3 times Box E for **less than +5°F winter design temperature.**

Make_____ Model_____ **Capacity @ 0.4 ESP** _____ cfm (G)

c) Duct Size for Fresh Air intake into return air of CRV:

☐ Min 4"Ø rigid duct, must be insulated & vapour barriered for full length, OR

☐ Min 5"Ø, flex duct, must be insulated & vapour barriered for full length,

6. CRV Fresh Air Circulation (Choose a or b)

☐ a) Draw air from bedrooms and Supply air to common area.

☐ b) Draw air from common area and Supply air to bedrooms.

7. If Heated Crawlspace present

☐ Choose ventilation option 1, 2, or 3 per sentence 9.32.3.7 (2).

MAKE-UP AIR Requirements

1. NAFFVA (Naturally Aspirated Fuel Fired Vented Appliance) **present in dwelling unit?** (per Sentence 9.32.4.1)

☐ **No**, Omit Steps 2 & 3

☐ **Yes,** Proceed to Step 2

2. Exhaust Appliance present which exceeds Box C 0.5 ACH:

☐ **No such appliance**. Omit Step 3

☐ **Yes,** Commit to Depressurization Test (See CAUTION, TECA Vent Manual pg 24)

☐ **Yes,** Proceed to Step 3

3. Use Active Make-up Air for Exhaust Appliance. (Choose a or b)

Make-up Air Fan required: **Exhaust Appliance Actual Installed Cfm** _____

Fan Make _____ Model _____ **Make-up Air Fan Cfm** _____

Duct diameter _____inches Fan Location _____

☐ ***Fan interconnected with exhaust appliance fan***. Fan ducted to _____

a) Active Make-up Air delivered to an Unoccupied Area first (not directly to room containing the appliance).

i) Tempering Required per 9.32.4.1.(4)(a):

Show calculation how make-up air will be tempered to at least 34°F (1°C) before entering unoccupied area.

$$\frac{\text{Make-up Fan cfm} \_\_\_\_ \times 1.08 \times (\mathbf{34°\ F} - \_\_\_\_\ °\text{F Winter Design Temp your location})}{3412\ \text{BTUH/kw}} = \_\_\_\_\ \text{(kw) Duct Heater}$$

ii) Transfer Grill Required: Size 1 sq in of gross area per 2 cfm: Transfer grill size ____sq. in. Location _____

iii) Additional Tempering Required per 9.32.4.1.(4)(b) before transfer to occupied area: Show calculation and **describe how make-up air will be further tempered** to at least 54°F (12°C).

$$\frac{\text{Make-up Fan} \_\_\_\_\text{cfm} \times 1.08 \times (\mathbf{54°\ F} - 34°\text{F})}{3412\ \text{BTUH/kw}} = \_\_\_\_\ \text{(kw) Heat from unoccupied area required to raise temp by 20°F}$$

Tempered by: _____

OR b) Active Make-up Air delivered to an Occupied Area: Tempering Required. Show calculation how make-up air will be tempered to at least 54°F (12°C).

$$\frac{\text{Make-up Fan cfm} \_\_\_\_\ \times 1.08 \times (\mathbf{54°\ F} - \_\_\_\_\ °\text{F Winter Design Temp your location})}{3412\ \text{BTUH/kw}} = \_\_\_\_\ \text{(kw) Duct Heater}$$

Installer Certification:

I hereby certify that the design and installation of the ventilation system complies with the 2012 B.C. Building Code, 2014 Section 9.32 Amendment.

2012 TECA Ventilation Certification Stamp

Date _____

Print Name_____

Signature_____

Company_____

Phone _____

Checklist 3, pg2of2

Permits applied for after 01 December 2015

2014 Amendment to Section 9.32 Ventilation

4 Ventilation Checklist 4—Exhaust Fan & Passive Inlets SENTENCE 9.32.3.4(6)

Use this checklist for small (≤ 1800 sqft), single level, **non-forced air** heated dwellings located in ***mild coastal & moderate interior climates where winter design temperature is warmer than –4°F.***

Civic Address_____ Permit No._____

Climate Zone: 5 Number of Bedrooms [ ] (A) A bedroom is a room with an openable window (minimum dimensions apply), a closet and a closing interior door.

Total Floor area of living space [ ] ft² (B)

Total Interior Volume of Dwelling [ ] ft³ Total volume includes all heated interior spaces (including crawlspace if heated).

.5 ACH (air changes/hr) = Volume x 0.5 ÷ 60 = [ ] cfm (C) Exhaust appliances exceeding .5 ACH may require make-up air.

1. Principal Ventilation System Exhaust Fan Minimum Air-flow Rate

Use the bedroom count from Box (A) and Total square footage from Box (B) above and Table 9.32.3.5. to determine

Minimum Required Prinicpal Exhaust System Capacity [ ] cfm (D)

2. Principal System Fan Choice

a) Exhaust Fan continuous running Make_____Model_____ Sone Rating ____

Location: _____ **Capacity at 0.2 ESP** [ ] cfm (E) Must be ≥ than Box (D)

If CEV, capacity @0.4ESP

3. Fan Duct Size and Equivalent Length

a) Installed Equivalent Length:

Length of duct _____ft **+** Ext. hood **30 ft +** (____# elbows at 10 ft each =_____) = [ ] ft (F)

b) Choose type of duct: Flex duct ☐ or Rigid (smooth) duct ☐

c) Duct size required to flow Box E cfm through Box F equivalent length of duct = [ ] in Ø

Use Table 9.32.3.8 (3) to determine duct size.

4. Required Kitchen and Bathroom Exhaust Fans: Re-list below if Principal Exhaust Fan meets all or part of Kitchen/Bathroom spot Exhaust requirements.

ROOM	REQUIRED EXHAUST RATE **Table 9.32.3.6**	EXHAUST EQUIPMENT						
		Spot Exhaust Kitchen & Bath WALL/CEILING FANS						Ex.Fan/CEV
		Fan Make & Model	CFM @ 0.2 ESP Manf. Rated	*Duct Sizing per Table 9.32.3.8.(3)				Principal System CFM
				Duct Dia (in Ø) rigid	Duct Dia (in Ø) flex	Max. Equiv. Length per table	Installed Equiv. Length	

* For fan capacities **exceeding** 175cfm in Table 9.32.3.8(3), follow manufacturer's installation instructions or use good engineering practice to size duct. See *Ventilation Guidelines* Appendix page 16-A, *Duct Sizing for Larger Fans*.

TOTAL (must = Box E) [ ]

Removed reference to RADON in Make-up Air Requirements

5. Required Inlets for passive Ventilation Air Supply

☐ a) High wall installation (minimum 6 ft above floor)
☐ b) Located in each bedroom and at least one common area
☐ c) Inlet Free Area greater than or equal to 4 Sq In

6. If Heated Crawlspace present

☐ Choose ventilation option 1, 2, or 3 per sentence 9.32.3.7 (2).

MAKE-UP AIR Requirements

1. NAFFVA (Naturally Aspirated Fuel Fired Vented Appliance) **present in dwelling unit?** (per Sentence 9.32.4.1)

☐ **No**, Omit Steps 2 & 3
☐ **Yes,** Proceed to Step 2

2. Exhaust Appliance present which exceeds Box C 0.5 ACH:

☐ **No such appliance**. Omit Step 3
☐ **Yes,** Commit to Depressurization Test (See CAUTION, TECA Vent Manual pg 24)
☐ **Yes,** Proceed to Step 3

3. Use Active Make-up Air for Exhaust Appliance. (Choose a or b)

Make-up Air Fan required: **Exhaust Appliance Actual Installed Cfm** _____

Fan Make _____ Model _____ **Make-up Air Fan Cfm** _____

Duct diameter _____inches Fan Location _____

☐ ***Fan interconnected with exhaust appliance fan.*** Fan ducted to _____

a) Active Make-up Air delivered to an Unoccupied Area first (not directly to room containing the appliance).

i) Tempering Required per 9.32.4.1.(4)(a):
Show calculation how make-up air will be tempered to at least 34°F (1°C) before entering unoccupied area.

$$\frac{\text{Make-up Fan cfm} \_\_\_\_ \times 1.08 \times (\mathbf{34°\ F} - \_\_\_\_\ °\text{F Winter Design Temp your location})}{3412\ \text{BTUH/kw}} = \_\_\_\_ \text{ (kw) Duct Heater}$$

ii) Transfer Grill Required: Size 1 sq in of gross area per 2 cfm: Transfer grill size ____sq. in. Location _____

iii) Additional Tempering Required per 9.32.4.1.(4)(b) before transfer to occupied area: Show calculation and **describe how make-up air will be further tempered** to at least 54°F (12°C).

Make-up Fan _____cfm x 1.08 x (**54° F** – 34°F) / 3412 BTUH/kw = _____(kw) Heat from unoccupied area required to raise temp by 20°F

Tempered by: _____

OR b) Active Make-up Air delivered to an Occupied Area: Tempering Required. Show calculation how make-up air will be tempered to at least 54°F (12°C).

$$\frac{\text{Make-up Fan cfm} \_\_\_\_\_ \times 1.08 \times (\mathbf{54°\ F} - \_\_\_\_\_ °\text{F Winter Design Temp your location})}{3412\ \text{BTUH/kw}} = \_\_\_\_\_ \text{ (kw) Duct Heater}$$

Installer Certification:

I hereby certify that the design and installation of the ventilation system complies with the 2012 B.C. Building Code, 2014 Section 9.32 Amendment.

2012 TECA Ventilation Certification Stamp

Date _____

Print Name_____

Signature_____

Company_____

Phone _____

Checklist 4, pg2 of 2

Table 9.32.3.5.
Principal Ventilation System Exhaust Fan Minimum Air-flow Rate
Forming part of Sentence 9.32.3.5.(1)

Floor Area		Minimum Air-flow Rate, L/s and cf/m									
		Number of Bedrooms									
		0-1		2-3		4-5		6-7		>7	
m^2	ft^2	L/s	cf/m	L/s	cf/m	L/s	cf/m	L/s	cf/m	L/s	cf/m
< 140	< 1507	14	30	21	45	28	59	35	74	42	89
140-280	1507- 3014	21	45	28	59	35	74	42	89	49	104
281-420	3015-4521	28	59	35	74	42	89	49	104	56	119
421-560	4522-6028	35	74	42	89	49	104	56	119	64	136
561-700	6029-7535	42	89	49	104	56	119	64	136	71	150
> 700	>7535	49	104	56	119	64	136	71	150	78	165

Table 9.32.3.6.
Kitchen/Bathroom Exhaust Fan Minimum Air-flow Rate
Forming part of Sentence 9.32.3.6.(1)

Room	Minimum Exhaust Fan Air-flow Rate, L/s and cf/m			
	Intermittent		Continuous	
	L/s	cf/m	L/s	cf/m
Kitchen	47	100	N/A	N/A
Bathroom	23	49	9	19

Table 9.32.3.8.(3)
Maximum Equivalent Duct Length, m
Forming part of Sentence 9.32.3.8.(3)

Flexible Duct															
Equivalent Diameter (Cross Section Area for Rectangular Ducts)				Fan Capacity, L/s and cf/m											
mm (cm^2)		in (ft^2)		L/s	cf/m	L/s	cf/m	L/s	cf/m	L/s	cf/m	L/s	cf/m	L/s	cf/m
				25	53	40	85	50	106	60	127	70	148	80	170
125	(123)	4.92	(0.13)	32		15		-		-		-		-	
150	(177)	5.91	(0.19)	46		40		28		18		13		-	
175	(240)	6.89	(0.26)	46		46		46		46		46		24	
200	(314)	7.87	(0.34)	46		46		46		46		46		46	
Rigid Duct															
Equivalent Diameter (Cross Section Area for Rectangular Ducts)				Fan Capacity, L/s and cf/m											
mm (cm^2)		in (ft^2)		L/s	cf/m	L/s	cf/m	L/s	cf/m	L/s	cf/m	L/s	cf/m	L/s	cf/m
				25	53	40	85	50	106	60	127	70	148	80	170
100	(79)	3.94	(0.09)	32		15		-		-		-		-	
125	(123)	4.92	(0.13)	46		40		28		18		13		-	
150	(177)	5.91	(0.19)	46		46		46		42		34		24	
175	(240)	6.89	(0.26)	46		46		46		46		46		46	