



























































#### **Ventilation - Contractor Fan Packs**











#### **Contractor Packs**

Duct	500 O. d.	B	Fan	Gr	illes	Fan		Air rmance	24
Size	ESC Code	Description	Туре	Interior	Exterior	Watt (W)	I/s	M³/Hr	G4
150mm	FANCP001	230vac Inline Fan, 6m Aluminium Duct, Backdraft Damper, Duct Tape, Surface Socket	Axial	Square Fixed White	Square Fixed White	25	83	300	G4 layedou layedou layedou
150mm	FANCP003	230vac Inline Fan, 3m Aluminium Duct, Duct Tape, Surface Socket	Axial	Round White	Square Fixed White	32	108	389	G4 autoritori entreprin
150mm	FANCP007	230vac Inline Fan, 6m Aluminium Duct, Duct Tape, Surface Socket	Axial	Square Fixed White	Weather Cowl White	32	108	389	G4 astronocou criteriu
150mm	FANCP009 Surface Mount Fan Pack	230vac Surface Fan, 3m Aluminium Duct, Duct Tape, Surface Socket	Axial	Round White	Square Fixed White	30	95	342	G4 samples singles
150mm	FANCP011	230vac Inline Fan, 6m Aluminium Duct, Duct Tape, Surface Socket	Axial	Round White	Square Fixed White	32	108	389	G4 stranger
150mm	FANCP013	230vac Inline Fan, 6m Aluminium Duct, Duct Tape, Surface Socket	Axial	LD White	Square Fixed White	32	108	389	G4 EXTRIPODA PATERIEN

<sup>&#</sup>x27;How to find the right fan' on page 233







#### **HEALTHY HOUSES/G4 ICONS**











#### **Axial Inline Fan Packs**

	Duct	ESC Code	Description	Fan	Gri	lles	Fan Watt		Perfor- ance	G4
	Size			Туре	Interior	Exterior	(W)	I/s	M³/Hr	
	100mm	VIFP100LD	230vac Inline Fan, 3m PVC Duct, Duct Tape, Surface Socket	Axial	LD White	Square Fixed White	14	29	107	N/A
	100mm	VIFP100	230vac Inline Fan, 3m PVC Duct, Duct Tape, Surface Socket	Axial	Round White	Square Fixed White	14	29	107	N/A
44	125mm	VIFP125LD	230vac Inline Fan, 4m PVC Duct, Duct Tape, Surface Socket	Axial	LD White	Square Fixed White	16	52	190	G4 majingow
	125mm	VIFP125	230vac Inline Fan, 4m PVC Duct, Duct Tape, Surface Socket	Axial	Round White	Square Fixed White	16	52	190	<b>G4</b>
A	150mm	VBIFP150	230vac Inline Fan, 5m PVC Duct, Duct Tape, Surface Socket	Axial	Round White	Square Fixed White	32	108	389	C4 Extrapoor argues
	150mm	VBIFP150MD	230vac Inline Fan, 5m PVC Duct, Duct Tape, Surface Socket	Axial	Glass Square Black	Square Fixed White	32	108	389	G4 BANHIDON NTEHEN
<b>A</b>	150mm	VBIFP150LD	230vac Inline Fan, 4m PVC Duct, Duct Tape, Surface Socket	Axial	LD White	Square Fixed White	32	108	389	G4 PATHEDON NTERIEN
<b>A</b>	150mm	VBIFP150LDA	230vac Inline Fan, 5m PVC Duct, Duct Tape, Surface Socket	Axial	LD Aluminium	Square Fixed White	32	108	389	G4 axunion wrenes
A	150mm	VBIFP150LDD	230vac Inline Fan, 5m PVC Duct, Duct Tape, Surface Socket	Axial	LD White	LD White	32	108	389	<b>G4</b> ванноси кутенто

#### **Mixed Flow Fan Packs - 2 Speed Units**

				Fan	Gril	les	Fan	Air Per	formance	
	Duct Size	ESC Code	Description	Туре	Interior	Exterior	Watt (W)	l/s	M³/Hr	G4
	100mm	MFP100LD	230vac Inline Fan, 1 x 6m Aluminium Duct, Duct Tape	Mixed Flow	LD White	Square Fixed White	21/33	40/51	415 / 565	N/A
	150mm	MFP150LD	230vac Inline Fan, 2 x 3m Aluminium Duct, Duct Tape	Mixed Flow	LD White	Square Fixed White	42/50	155 / 156	415 / 565	G4 BATISBOOM STEPHEN
6-	150mm	MFP150FG	230vac Inline Fan, 2 x 3m Aluminium Duct, Duct Tape	Mixed Flow	Square Fixed White	Square Fixed White	42/50	115 / 156	415 / 565	G4 BATOROPON STEPHEN
	200mm	MFP200FG	230vac Inline Fan, 2 x 3m Aluminium Duct, Duct Tape	Mixed Flow	Square Fixed White	Square Fixed White	76 /108	230 / 288	830 / 1040	G4 BATHROOM NITEHEN
	250mm	MFP250FG	230vac Inline Fan, 2 x 3m Aluminium Duct, duct tape	Mixed Flow	Square Fixed White	Square Fixed White	125 / 177	305 / 388	1100 / 1400	G4 extremodul synghian

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#### **HEALTHY HOUSES/G4 ICONS**

#### **Ventilation - Wall & Ceiling Fan Packs**











#### **Axial Fan - Through Wall**

Duct			Grilles Grilles		lles	Fan	Air Perf	ormance	
Size	ESC Code	Description	Fan Type	Interior	Exterior	Watt (W)	l/s	M³/Hr	G4
100mm	VFP100LD	230vac Surface Fan, 375mm Aluminium Duct	Axial	LD White	Square Gravity White	14	24	88	N/A
100mm	VFP100SL	230vac Surface Fan, 375mm Aluminium Duct	Axial	Square White	Square Gravity White	14	26	95	N/A
125mm	VFP125SLW	230vac Surface Fan, 375mm Aluminium Duct	Axial	Square White	Weather Cowl White	16	50	180	G4 Expenditu
125mm	VFP125SL	230vac Surface Fan, 375mm Aluminium Duct	Axial	Square White	Square Gravity White	16	50	180	G4 Expedien
125mm	VFP125LDL	230vac Surface Fan, 375mm Aluminium Duct	Axial	LD White	Square Gravity White	16	46	167	G4 Expedien
150mm	VFP150SL	230vac Surface Fan, 375mm Aluminium Duct	Axial	Square White	Square Gravity White	24	81	292	<b>G4</b> акиноси хисих
150mm	VFP150LDLT	230vac Surface Fan, 375mm A Aluminium Duct	Axial	LD White	Square Gravity White	24	86	310	G4 symbols yrights
150mm	VFP150LDA	230vac Surface Fan, 375mm Aluminium Duct	Axial	LD Aluminium	Square Gravity White	24	86	310	G4 atmoon viteur
		LO	W VOLTAGE	SOLUTIONS					
150mm	VFP150LDLV	12v Surface Fan, 375mm Aluminium Duct, TRW50 TX 230/12v	Axial	LD White	Square Gravity White	24	65	236	G4 samples
150mm	VFP150LDALV	12v Surface Fan, 375mm ALI Duct, TRW50 TX 230/12v	Axial	LD Aluminium	Square Gravity White	24	65	236	G4 MUTHISON STEPHEN

<sup>&#</sup>x27;How to find the right fan' on page 233







#### HEALTHY HOUSES/G4 ICONS











#### **Axial Fan - Through Ceiling & Wall**









				Gril	es		Air Perfo	ormance	
Duct size	ESC code	Description	Fan Type	Interior	Exterior	Fan Watt (W)	l/s	M³/Hr	G4
150mm	VFK150LD	230vac Surface Fan, 5mtr PVC Duct, 375mm Aluminium Duct Duct Connector, Duct Tape	Axial	LD White	Square Fixed White	29	86	310	C4 Namedon Propins
150mm	VFK150LDA	230vac Surface Fan, 5mtr PVC Duct, 375mm Aluminium Duct, Duct Connector, Duct Tape	Axial	LD Aluminium	Square Fixed White	29	86	310	G4 androom angua
150mm	VFK150MD	230vac Surface Fan, 5mtr PVC Duct, 375mm Aluminium Duct, Duct Connector, Duct Tape	Axial	Glass Square Black	Square Fixed White	29	86	310	C4 actividos argua
150mm	VFP150LDD	230vac Surface Fan, 5mtr PVC Duct, Duct Connector, Duct Tape	Axial	LD White	LD White	29	86	310	G4 Particular Program

#### Fan / Heat / LED Light



			Fan Type	Light		Fan Watt	Air Performance		0.1
Duct Size	ESC Code	Description		Led	Heat	(W)	L/S	M³/Hr	G4
125mm	VHFL-2	230vac Ceiling Unit, 3mtr Aluminium Duct, Backdraught Shutter, 3 Gang Switch	160mm Centrifugal	1 x 13W 4200K Downlight	2 x 275W E27	35	108	390	<b>G4</b>

'How to find the right fan' on page 233







#### **HEALTHY HOUSES/G4 ICONS**

#### **Ventilation - Wall & Ceiling Fan Packs**











#### **Axial Fan - Window**



D 0'	500 O. d.	Bernduden	Fan	Gri	lles	Fan Watt	Air Perf	ormance	
Duct Size	ESC Code	Description	Туре	Interior	Exterior	(W)	l/s	M³/Hr	G4
150mm	V150WA	230vac Surface Fan, Silent Operation, Thermal Actuator	Axial	Auto Shutter White	Square Fixed White	29	81	295	G4 avandous avagues

#### **Axial Fan - Surface**



















				Grilles			Air Perfo	rmonos	
Duct Size	ESC Code	Description	Fan Type	Interior	Exterior	Fan Watt (W)	I/s	M³/Hr	G4
100mm	V100SL	230vac Surface Fan	Axial	Square White	-	14	26	95	N/A
100mm	V100LDL	230vac Surface Fan	Axial	LD White	-	14	24	88	N/A
100mm	V100LDLA	230vac Surface Fan	Axial	LD Aluminium	-	14	24	88	N/A
100mm	V100MD	230vac Surface Fan	Axial	Square Glass Black	-	14	24	88	N/A
150mm	V150MA	230vac Surface Fan, Silent Operation, Thermal Actuator	Axial	Auto Shutter White	-	29	95	345	G4 EXTRIBOD NOTES IEN
125mm	V125SL	230vac Surface Fan	Axial	Square White	-	16	50	180	G4 untrasidos
125mm	V125LDL	230vac Surface Fan	Axial	LD White	-	16	46	167	G4 satyagosa
125mm	V125LDLTA	230vac Surface Fan	Axial	LD Aluminium	-	16	46	167	G4 EATHEROUS
125mm	V125MD	230vac Surface Fan	Axial	Square Glass Black	-	16	46	167	G4 Extresions

<sup>&#</sup>x27;How to find the right fan' on page 233  $\,$ 







#### HEALTHY HOUSES/G4 ICONS











#### **Axial Fan - Surface (Continued)**











				Grille	es	Fan Watt	Air Perf	ormance	
Duct Size	ESC Code	Description	Fan Type	Interior	Exterior	(W)	l/s	M³/Hr	G4
150mm	V150MD	230vac Surface Fan	Axial	Square Glass Black	-	24	86	310	G4 вативом ктереги
150mm	V150SL	230vac Surface Fan	Axial	Square White	-	24	81	292	G4 BATHROOM KITCHEN
150mm	V150LDLT	230vac Surface Fan	Axial	LD White	-	30	86	310	G4 extractor extractor
150mm	V150LDLTA	230vac Surface Fan	Axial	LD Alumin- ium	-	30	86	310	G4 PATHROCH KITCHIN
150mm	V150PFLT	230vac Surface Fan	Axial	Round White	-	24	81	292	С4 вативом ктенти

<sup>&#</sup>x27;How to find the right fan' on page 233







#### HEALTHY HOUSES/G4 ICONS

#### **Ventilation - Window, Wall & Ceiling Fans**











#### **Axial Fan - Surface (Low Voltage Solutions)**

Duct Size	ESC Code	Description	Fan	Gril	les	Fan Watt	Air Perf	ormance	G4
		·	Туре	Interior	Exterior	(W)	l/s	M³/Hr	
150mm	V150MALV	12v Surface Fan, Silent Operation, Thermal Actuator	Axial	Auto Shutter White	-	24	73	263	<b>С4</b>
100mm	V100LDLV	12v Surface Fan, TRW50 TX 230/12v	Axial	LD White	-	14	21	77	N/A
125mm	V125LDLV	12v Surface Fan, TRW50 TX 230/12v	Axial	LD White	-	24	48	175	G4 supposition
150mm	V150SLV	12v Surface Fan, TRW50 TX 230/12v	Axial	Square White	-	24	72	260	G4 BATHROOM KITCHEN
150mm	V150LDLV	12v Surface Fan, TRW50 TX 230/12v	Axial	LD White	-	29	65	236	G4 expecta
150mm	V150LDALV	12v Surface Fan, TRW50 TX 230/12v	Axial	LD Aluminium		29	65	236	G4 autheron kriterien
150mm	V150MDLV	12v Surface Fan, TRW50 TX 230/12v	Axial	Square Glass Black	-	29	65	236	G4 BATHEROOM ATTEMENT

<sup>&#</sup>x27;How to find the right fan' on page 233







#### **HEALTHY HOUSES/G4 ICONS**











#### **TT Pro Series - 2 Speed Units**



V/TT100

VTT100	

VTTPRO125, VTTPRO150, VTTPRO200, VTTPRO250,

Duct Size	ESC Code	Description	Fan Type	Fan Watt	Air Perfo	rmance	UOM				
Duct Size	LGC Code	Description	raii iype	(W)	I/s	M³/Hr	OOW				
100mm	VTT100	230vac 2	Mixed	21	40	147					
TOOMM	V11100	Speed	Flow	33	51	187	ea				
125mm	VTTPRO125	230vac 2	Mixed	23	61	220	00				
12511111	VIIPRO125	Speed	Flow	37	77	280	ea				
150mm	VTTPRO150	230vac 2	Mixed	28	79	285	00				
Toullill	VIIPROISU	Speed	Flow	54	95	345	ea				
200mm	VTTPRO200	230vac 2	Mixed	90	230	830	ea				
20011111	VIIPHOZUU	Speed	Flow	125	288	1040	еа				
250mm	VTTPRO250	230vac 2	Mixed	125	308	1110	ea				
25011111	VIIPRO250	Speed		Speed Flow		Speed	Flow	177	388	1400	ea

Speed 1 Speed 2

#### **VK Series**



Duct Size	ESC Code	Description	Fan Type	Fan Watt	Air Perforn	UOM	
Duot 0120	200 0000	Description	(W)		l/s	M³/Hr	00
150mm	VK150	230vac Inline Fan	Centrifugal	80	127	460	ea
200mm	VK200	230vac Inline Fan	Centrifugal	107	216	780	ea

#### **Axial Fan Series**



VIF100, VIF125



VIF150

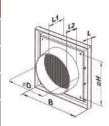
Duct Circ	ESC Code	Description	Fan Watt		Air Per	ПОМ	
Duct Size	ESC Code	Description	Fan Type	(W)	l/s	M³/Hr	UOM
100mm	VIF100	230vac Inline Fan	Axial	14	29	107	ea
125mm	VIF125	230vac Inline Fan	Axial	16	52	190	ea
150mm	VIF150	230vac Inline Fan	Axial	28	108	389	ea

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#### **Fixed Grille**



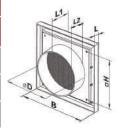
Duct	ESC Code	Description	Dimensions							
Size			B mm	H mm	L mm	L1 mm	L2 mm	Flange (∅D) mm		
100mm	VFG100	Fixed Grille Square White	140	140	15	47	32	100		
125mm	VFG125	Fixed Grille Square White	174	174	15	47	32	125		
150mm	VFG150	Fixed Grille Square White	174	174	15	47	32	150		
200mm	VFG200	Fixed Grille Square White	250	215	12	43	30	200		



#### **Eggcrate Grille**



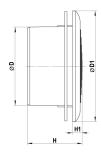
		Description	Dimensions							
Duct Size	ESC Code		B mm	H mm	L mm	L1 mm	L2 mm	Flange (∅D) mm		
100mm	EG100	Eggcrate Fixed White	140	140	15	47	32	100		
125mm	EG125	Eggcrate Fixed White	174	174	15	47	32	125		
150mm	EG150	Eggcrate Fixed White	174	174	15	47	32	150		



#### **Round Grille**



						ions
Duct Size	ESC Code	ESC Code Description		H mm	H1 mm	Flange (∅D) mm
100mm	VRG100	Round Grille White	141	71	12.5	100
125mm	VRG125	Round Grille White	166	72	14	125
150mm	VRG150	Round Grille White	188	72	15	150



#### **LD Grille**



VLD100, VLD125, VLD150



	ESC Code		Dimensions					
Duct Size		Description	B mm	H mm	L mm	L1 mm	Flange (∅D) mm	
100mm	VLD100	LD Grille Square White	149	149	58	30	100	
125mm	VLD125	LD Grille Square White	206	206	63	34	125	
150mm	VLD150	LD Grille Square White	206	206	70	36	150	
100mm	VLDA100	LD Grille Square Aluminium	149	149	58	30	100	
125mm	VLDA125	LD Grille Square Aluminium	206	206	63	34	125	
150mm	VLDA150	LD Grille Square Aluminium	206	206	70	36	150	



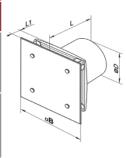
<sup>&#</sup>x27;How to find the right fan' on page 233

#### **Modern Grille**





		Description	Dimensions					
Duct Size	ESC Code		B mm	L mm	L1 mm	Flange (ØD) mm		
150mm	VMD150F	Square Faced Grille Black Glass Finish	226	160	36	100		
150mm	VMD150GW	Square Faced Grille White	226	160	36	125		



#### **Disc Valve Diffuser**



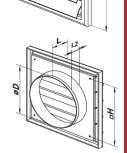
			Dimensions						
Duct Size	ESC Code	Description	H mm	H1 mm	ØD1 mm	ØD2 mm	Flange (∅D) mm		
100mm	VDV100	Round Disc Valve Diffuser White	56	28	90	148	100		
125mm	VDV125	Round Disc Valve Diffuser White	58	20	110	166	125		
150mm	VDV150	Round Disc Valve Diffuser White	58	20	128	200	150		



#### **Gravity Grille**



	ESC Code		Dimensions					
Duct Size		Description	B mm	H mm	L mm	L2 mm	Flange (∅D) mm	
100mm	VGG100	Gravity Grille White	140	140	15	32	100	
125mm	VGG125	Gravity Grille White	174	174	15	32	125	
150mm	VGG150	Gravity Grille White	174	174	15	32	150	

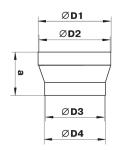


<sup>&#</sup>x27;How to find the right fan' on page 233

#### Reducer



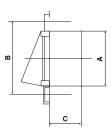
Duct Size	ESC Code		Dimensions						
		Description	A mm	ØD1 mm	ØD2 mm	ØD3 mm	ØD4 mm		
125mm	VR100125	Reducer - 125 to 100	60	129	125	96	100		
150mm	VR125150	Reducer - 150 to 125	60	154	150	121	125		
200mm	VR150200	Reducer - 200 to 150	71	204	200	146	150		



#### **Stainless Steel Weather Cowl**



			Dimensions				
Duct Size	ESC Code	Description	A mm	B mm	C mm		
125mm	VWC125SS	Stainless Steel Weather Cowl with Flap	120	167	52		
150mm	VWC150SS	Stainless Steel Weather Cowl with Flap	145	167	62		



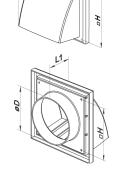
#### **ABS Weather Cowl**



VWC100, VWC125 VWC150



	ESC Code	Description	Dimensions						
Duct Size			B mm	H mm	L mm	L1 mm	L2 mm	Flange (ØD) mm	
100mm	VWC100	Weather Cowl with Flap White	154	110	15	45	87	100	
125mm	VWC125	Weather Cowl with Flap White	186	142	15	45	101	125	
150mm	VWC150	Weather Cowl with Flap White	186	142	15	45	101	150	
150mm	VWC150B	Weather Cowl with Flap Black	186	142	15	45	101	150	

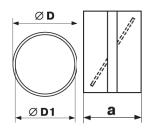


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#### **Backdraught Damper**



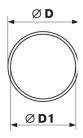
			D	imension	ıs
Duct Size	ESC Code	Description	A mm	D mm	D1 mm
100mm	VBD100	Back Draught Damper with Flap	62	100	96
125mm	VBD125	Back Draught Damper with Flap	62	125	123
150mm	VBD150	Back Draught Damper with Flap	62	150	148



#### **Duct Connector**



				Dimensions	
Duct Size	ESC Code	Description	A mm	D1 mm	D mm
100mm	VDC100	Duct Connector	60	100	103
125mm	VDC125	Duct Connector	60	125	128
150mm	VDC150	Duct Connector	60	150	153



#### **Rigid Aluminium Duct**



Duct Size	ESC Code	Description	Length mm	MAX Air Speed (m/s)	MAX Operating Pressure (pa)
100mm	RAD100	Rigid Aluminium Duct, Spiral Seam	375	30	3000
125mm	RAD125	Rigid Aluminium Duct, Spiral Seam	375	30	3000
150mm	RAD150	Rigid Aluminium Duct, Spiral Seam	375	30	3000

<sup>&#</sup>x27;How to find the right fan' on page 233

#### Flexi Aluminium Duct



Duct Size	ESC Code	Description	Lengths m	MAX Air Speed (m/s)	MAX Operating Pressure (Pa)
100mm	AD1003	Flexi Aluminium Duct, Spiral Seam	3	30	3000
100mm	AD1006	Flexi Aluminium Duct, Spiral Seam	6	30	3000
125mm	AD1253	Flexi Aluminium Duct, Spiral Seam	3	30	3000
125mm	AD1256	Flexi Aluminium Duct, Spiral Seam	6	30	3000
150mm	AD1503	Flexi Aluminium Duct, Spiral Seam	3	30	3000
150mm	AD1506	Flexi Aluminium Duct, Spiral Seam	6	30	3000
200mm	AD2006	Flexi Aluminium Duct, Spiral Seam	6	30	3000
200mm	AD2003	Flexi Aluminium Duct, Spiral Seam	3	30	3000
250mm	AD2503	Flexi Aluminium Duct, Spiral Seam	3	30	3000
250mm	AD2506	Flexi Aluminium Duct, Spiral Seam	6	30	3000

#### Flexi PVC Duct



Duct Size	ESC Code	Description	Lengths m	MAX Air Speed (m/s)	MAX Operating Pressure (Pa)
100mm	PVCD1003	Flexible Air Duct - PVC	3	30	3000
125mm	PVCD1254	Flexible Air Duct - PVC	4	30	3000
150mm	PVCD1505	Flexible Air Duct - PVC	5	30	3000

#### **Roof Cowl Kit**



Duct Size	ESC Code	Description
150mm	VRK150	Roof Cowl Kit

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#### **Transformer**



ESC Code	Description
TRW50	Wire Wound Transformer 60VA 230/12vac IP68

#### **Timers**





ESC Code	Description
VBRTV490	Delay off timer (2 - 40 mins)  MAX wattage is 100w
VBRTV492	Delay off timer (1 sec - 90mins) Delay on timer (0 sec - 5 mins)  Max wattage is 150w

#### **Control Units**



ESC Code	Description	Rated Voltage	Wattage Max	Max Load A	Operating Temp	IP Rating
VBU160	Control Unit - Time, Humid, Motion, PE, PC	230vac	60w	0.3	-10°C~+50°C	34
VBU160THRF	Control Unit - Time, Humid, Motion, PE	230vac	60w	0.3	-10°C~+50°C	34
VBU60THF	Control Unit - Time, Humid, PE	230vac	60w	0.3	-10°C~+50°C	34
VBU160TF	Control Unit - Time, PE	230vac	60w	0.3	-10°C~+50°C	34

Model	Time	Humidity	Motion	PE	Pull Cord
VBU160	х	Х	х	Х	х
VBU160THRF	х	Х	х	х	
VBU60THF	х	х		х	
VBU160TF	х			х	

Features				
Time	5 sec to 30 min			
Humidity	40% to 100%			
Motion Sensor	5m / 130°			
Photoelectric	Dark / Light			
Pull Cord	30cm			

<sup>\*</sup> Suits through wall and surface only

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## **HEALTHY HOMES**









#### REQUIREMENTS FOR KITCHEN EXTRACTOR FANS

<u>Installed FROM 1 July 2019:</u> The fan and all exhaust ducting must have a diameter of at least 150mm OR the fan and all exhaust ducting must have an exhaust capacity of at <u>least 50 litres</u> per second. The fan must vent extracted air to outdoors.

<u>Installed BEFORE 1 July 2019:</u> No minimum size or performance requirements but fans must be in good working order and ventilate to outdoors. This means that the range hood or extractor fan must not vent back into the kitchen, into a roof space or other space. Any ducting must be connected, intact (i.e. without tears or holes) and installed so that extracted air can flow freely through it (e.g. no unnecessary kinks or compressions). Any grills or filters must be unclogged.

#### REQUIREMENTS FOR BATHROOM EXTRACTOR FANS

Installed AFTER 1 July 2019: The fan and all exhaust ducting must either have a diameter of at least 120mm OR the fan and all exhaust ducting must have an exhaust capacity of at least 25 litres per second. The fan must vent extracted air to outdoors. Continuously operating extractor fans that operate at a level of extraction below 25 litres per second, or do not have a fan and ducting diameter of at least 120mm, are not capable of providing the necessary level of moisture extraction during a shower.

<u>Installed BEFORE 1 July 2019:</u> No minimum size or performance requirements but fans must be in a good working order and ventilate to outdoors. This means that the extractor fan must not vent extracted air into a roof space or other space. Any ducting must be connected, intact (i.e. without tears or holes) and installed so that exhaust air can flow freely through it (e.g. no unnecessary kinks or compressions). Any grills or filters must be unclogged.

Raise the standard

Tenancy Services

# simple steps to help you select the right fan for your application

#### Step 1

Step 2

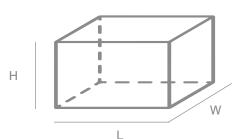
Calculate volume of your room & ACH

**Step 1:** Calculate the volume of your room



Room Size

**Step 2:** Once you have the volume of your room, then calculate air changes per hour



**ACH = AIR CHANGE PER HOUR** Measurement of the amount of air added or removed from a given area per hour. Please refer to the table below for a guide on selecting the correct solution.

Recommended	ACH	Type of Room
10	Toile	t, Laundries, Office, Living Area
15	Ensu	ites, Showers, Bathrooms
20	_	ens (excludes range hood), dries with dryer

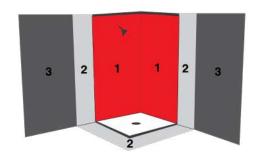
Room Calculations:		
Living Room:	m³/hr	
Kitchen:	m³/hr	
Bathroom:	m³/hr	
Ensuite:	m³/hr	
Laundry:	m³/hr	
Toilet:	m³/hr	
Bedroom:	m³/hr	
Other:		
	m³/hr	

### Step 3

#### **Identify wet areas**

Before installing an extractor fan into zone 1 or into a "wet area" complete step 1 and step 2 to ascertain the correct calculation of area and ACH. Then choose a suitable fan to preferably match the volume required. Then select the suitable location for the fan. Determined by AS/NZ3000.

Zone 1	Low Voltage Fan	Above Shower, Wet Areas
Zone 2	Any Fan	Bathroom
Zone 3	Any Fan	Bathroom



#### Step 4

### Choosing the right fan type

Decide where is the most suitable position to locate the fan. This table determines what fan is suitable for which room. Ensure you have calculations from step one and two, then refer to the table below.

Tip: Select a fan that moves more than the amount of air calculated. (It is better to move more air rather than less).

Fan Type	Application	Zone
Contractor Packs	Laundry, Kitchen, Living Areas	2 & 3
Inline Ventilation Packs	Bathroom, Shower, Utility Spaces	2 & 3
Low Voltage Solutions	Bathroom, Above the Shower, Wet Areas	1
Wall & Ceiling Fans Packs	Walls, Ceiling, Living Areas	2 & 3
Fan / Heat / LED Light	Bathroom (VHFL-2)	3
Windows, Wall & Ceiling Fans	Windows, Walls, Ceilings	2 & 3

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Electrical Supply Corp employs over 40 full time and part time staff, comprising of business development managers, product technical specialists and wholesale representatives located regionally throughout New Zealand to best service their customers network.

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\*Some limitations apply for overnight delivery





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