



Radon Professional's Pull-Out Fan Guide

Fan Selection Specifications and Guidelines

With Fan Replacement Guide

This handy 4-page guide is intended to make it easier for you to have RadonAway™ fan specifications and our fan replacement chart at your fingertips where you need them, when you need them - on a job site, in your truck, at your desk, or anywhere else you might want to quickly check for fan specs or replacements.

As always, we are committed to providing you with not only the highest quality radon mitigation products but also information to help you provide expert, effective professional radon services.

[To remove this guide, firmly hold this 4-page section. Then fold back the rest of the catalog and gently pull the guide from the staples.]





RP Series
Scan this code to see or order any RP fan at our e-commerce store.

Use RP fans for quiet operation, energy efficiency and high air flow in porous sub-slab or sub-membrane materials consisting of about 4 inches of clean, size 4-6 gravel.



XP/XR Series
Scan this code to see or order any XP/XR fan at our e-commerce store.

Use XP/XR fans for compact size, lower pressure and average flow in very porous sub-slab/membrane materials consisting of 4 inches of clean, size 4-6 gravel.



GP Series
Scan this code to see or order any GP fan at our e-commerce store.

Use GP fans for versatility and a broad performance range in moderate to tight sub-slab/sub-membrane conditions. Ideal choice when multiple suction points are necessary.



SF180
Scan this code to see or order the SF180 fan at our e-commerce store.

Use the SF180 for its low profile design and moderate to good air flow in porous sub-slab or sub-membrane conditions ranging from about 4 inches of clean, size 4-6 gravel to very loose soil.



GP500 Series
Scan this code to see or order the GP500 fan at our e-commerce store.

Use the GP500 in situations that require a high-performance box fan as an effective alternative to more commonly used inline tube fans. It can provide coverage up to 1000sf per slab penetration.



HS Series
Scan this code to see or order any HS fan at our e-commerce store.

Use HS fans in sand, clay or tight soil conditions when you need up to 25 times the suction of inline radon fans.

MODEL	P/N	FAN DUCT DIAMETER	RRNC 2.0 RADON FAN TYPE	WATTS	MAX. PRESSURE "WC	RECOM. MAX OP. PRESSURE "WC*	TYPICAL CFM vs. STATIC PRESSURE WC										FAN WEIGHT (lbs)	SHIPPING WEIGHT (lbs)	
							0"	.5"	1.0"	1.5"	2.0"	2.5"	3.0"	3.5"	4.0"				
RP140	23029-1	4"	RF1	15-21	0.8	0.7	135	70	-	-	-	-	-	-	-	-	-	3.9	5
RP145	23030-1	4"	RF1, RF2	41-72	2.1	1.7	166	126	82	41	3	-	-	-	-	-	-	5.5	7
RP260	23032-1	6"	RF2	50-75	1.6	1.5	272	176	89	13	-	-	-	-	-	-	-	5.6	8
RP265	23033-1	6"		91-129	2.3	2.2	334	247	176	116	52	-	-	-	-	-	-	6.5	9
RP380	28208	8"		95-152	2.3	2.0	497	353	220	130	38	-	-	-	-	-	-	9.1	12
XP151	23010-1	4"	RF1	45-60	1.4	1.3	150	115	69		-	-	-	-	-	-	-	4.9	6
XP201	23011-1	4"	RF1	45-66	1.8	1.7	112	95	70	40	-	-	-	-	-	-	-	5	6
XR261	23019-1	6"		67-117	1.7	1.6	217	149	87	27	-	-	-	-	-	-	-	5.7	8
GP201	23007-1	3"		40-60	2.0	1.8	-	-	82	58	5	-	-	-	-	-	-	9.1	11
GP301	23006-1	3"		55-90	2.6	2.4	-	-	92	77	45	10	-	-	-	-	-	9.8	12
GP401	23009-1	3"		60-110	3.4	3.0	-	-	93	82	60	40	15	-	-	-	-	10	12
GP501	23005-1	3"		70-140	4.2	3.8	-	-	95	87	80	70	57	30	10	-	-	10	12
SF180	28317	3" or 4"		53-71	2.1	1.7	149	127	96	61	-	-	-	-	-	-	-	12.8	15
GP500	23003-1	3"		70-130	4.3	-	-	-	88	80	74	65	54	28	14	-	-	18	20

	MODEL	P/N	FAN DUCT DIAMETER	WATTS	MAX. PRESSURE "WC	RECOM. MAX OP. PRESSURE "WC*	TYPICAL CFM vs. STATIC PRESSURE WC						FAN WEIGHT	SHIPPING WEIGHT
							0"	10"	15"	20"	25"	35"		
With Cord	HS2000	23004-1	3" in / 2" out	150-270	18	14	110	72	40	-	-	-	17	20
	HS3000	23004-2	3" in / 2" out	105-195	27	21	40	33	29	24	18	-	18	21
	HS5000	23004-3	3" in / 2" out	180-320	50	40	53	47	42	38	34	24	18	21
With Switch Box	HS2000E	23004-4	3" in / 2" out	150-270	18	14	110	72	40	-	-	-	17	20
	HS3000E	23004-5	3" in / 2" out	105-195	27	21	40	33	29	24	18	-	18	21
	HS5000E	23004-6	3" in / 2" out	180-320	50	40	53	47	42	38	34	24	18	21

RRNC 2.0 ANSI/AARST Standard Reducing Radon in New Construction of 1 & 2 Family Dwellings and Townhouses

This chart displays the designated radon fan types recommended in the new standard.

*Radon Fan Types RF1 & RF2 minimum flow and pressure ratings are manufacturer specifications.

PIPE SIZE Nominal (I.D.)	TOTAL FOUNDATION AREA		
	Less than 1600 sq. feet	1600 to 2500 sq. feet	Greater than 2500 sq. feet
(3 inch) [7.6 cm]	Less than 149 sq. meters	149 to 232 sq. meters	Greater than 232 sq. meters
	Use Radon Fan Type: RF1 RF1 Minimum rating: 50 cfm @ 0.5" WC [85m³/hr @ 125 Pa]	Use Radon Fan Type: RF2 RF2 Minimum rating: 75 cfm @ 1.0" WC [127m³/hr @ 250 Pa]	Radon fan to be sized by a certified/licensed radon mitigator.
(4 inch) [10 cm]	Use Radon Fan Type: RF1 RF1 Minimum rating: 50 cfm @ 0.5" WC [85m³/hr @ 125 Pa]	Use Radon Fan Type: RF1 RF1 Minimum rating: 50 cfm @ 0.5" WC [85m³/hr @ 125 Pa]	Radon fan to be sized by a certified/licensed radon mitigator.

NOTE: This chart is based on airflow through the ducting of the fan. Every time you reduce duct size, there is a 20% degradation of airflow. 4% drop in airflow for every 1000 feet.



Need a replacement for other brands? We've got you covered.

The RadonAway™ replacement fans listed below provide superior performance and durability. In many cases, they use the same flexible pipe couplings and require little or no change to the system piping. This guide is intended to help you select a replacement fan for most brands. Included are many of the older fans with their current replacements.

Don't see the fan you need to replace? Give us a call and we will gladly help you find the best replacement fan for your requirements.



Scan this QR Code to download our contact information directly to your smart phone.

	ORIGINALLY INSTALLED FAN	RadonAway™ REPLACEMENT FAN
Fantech	R100, F100, FR100, HP2133	RP140
	R150, F150, FR150	XR261 or RP260
	R160, F160, FR160	RP260 or RP265
	R175, F175, FR175	RP265
	HP190, HP2190	RP145
	HP190SL	SF180
	HP220	RP265
AMG/FESTA	Maverick	RP145, XP151, or XP201
	Hawk	RP260 or XR261
	Prowler	GP301
	Legend	RP265
	Eagle	GP401
	Goliath	RP260 or GP501**
	Force	RP260 or GP501**
Kanalflakt/ FanAmerica	T1 Turbo 5 (Fiberglass)	XP201* or XP151*
	T2 Turbo 6 (Fiberglass)	XR261 or RP260
	K4 (Metal Kanalflakt)	RP140*
	K4XL (Metal Kanalflakt)	XP201* or XP151*
	K6 (Metal Kanalflakt)	XR261 or RP260
Rosenberg	R100	RP140*
	R150	XR261 or RP260

* Slightly different duct diameter requires different flexible couplings. ** Depends on site needs: Airflow vs. static pressure