

**Radioflo™ (5RF, 5RFHF, 9RF, 9RFHF) Performance Data**

IP DATA: 5RF, 5RFHF, 9RF, 9RFHF, 180°

Throw Pattern	Panel Size		Inlet Dia. in	Neck Vel FPM	Air Flow CFM	Pt "WG	Ps "WG	Δ T R	Throw (ft @ FPM)					Sound NC
	W	L							Horizontal		Max	Vertical		
	in	in							100	50	50	100	50	
180° (2-Way)	24	24	8	860	300	0.074	0.027	-5	1	4	6	3	5	24
				1146	400	0.131	0.049		2	4	7	3	5	32
				1433	500	0.204	0.076		3	5	8	3	6	38
	24	24	8	860	300	0.074	0.027	-15	2	4	7	6	8	24
				1146	400	0.131	0.049		2	5	8	7	8	32
				1433	500	0.204	0.076		3	6	9	8	9	38
180° (2-Way)	24	24	10	550	300	0.041	0.022	-5	2	4	6	3	6	<20
				963	525	0.126	0.069		3	5	8	3	6	30
				1376	750	0.258	0.140		6	8	10	8	9	40
	24	24	10	550	300	0.041	0.022	-15	2	4	7	6	8	<20
				963	525	0.126	0.069		4	6	9	8	9	30
				1376	750	0.258	0.140		5	8	10	9	-	40
180° (2-Way)	24	48	10	917	500	0.096	0.044	-5	2	3	5	4	6	25
				1193	650	0.163	0.074		2	3	6	4	6	32
				1468	800	0.246	0.112		3	4	8	3	8	38
	24	48	10	917	500	0.096	0.044	-15	2	3	9	5	9	25
				1193	650	0.163	0.074		2	3	9	5	9	32
				1468	800	0.246	0.112		2	4	8	4	8	38
180° (2-Way)	24	48	12	802	600	0.090	0.050	-5	2	3	7	2	6	20
				1070	800	0.160	0.089		4	5	9	3	6	29
				1337	1000	0.250	0.139		5	6	12	6	8	36
	24	48	12	802	600	0.090	0.050	-15	2	3	9	7	9	20
				1070	800	0.160	0.089		4	6	9	7	9	29
				1337	1000	0.250	0.139		6	8	13	7	-	36

METRIC DATA: 5RF, 5RFHF, 9RF, 9RFHF, 180°

Throw Pattern	Panel Size		Inlet Dia. cm	Neck Vel m/s	Air Flow L/s	Pt Pa	Ps Pa	Δ T K	Throw (m @ m/s)					Sound NC
	W	L							Horizontal		Max	Vertical		
	cm	cm							0.5	0.25	0.25	0.5	0.25	
180° (2-Way)	61.0	61.0	20.3	4.37	142	18.3	6.8	-2.8	0.3	1.2	1.8	0.9	1.5	24
				5.82	189	32.5	12.2		0.6	1.2	2.1	0.9	1.5	32
				7.28	236	50.8	19.0		0.9	1.5	2.4	0.9	1.8	38
	61.0	61.0	20.3	4.37	142	18.3	6.8	-8.3	0.6	1.2	2.1	1.8	2.4	24
				5.82	189	32.5	12.2		0.6	1.5	2.4	2.1	-	32
				7.28	236	50.8	19.0		0.9	1.8	2.7	2.4	-	38
180° (2-Way)	61.0	61.0	25.4	2.80	142	10.3	5.6	-2.8	0.6	1.2	1.8	0.9	1.8	<20
				4.89	248	31.5	17.1		0.9	1.5	2.4	0.9	1.8	30
				6.99	354	64.2	34.8		1.8	2.4	3.0	2.4	2.7	40
	61.0	61.0	25.4	2.80	142	10.3	5.6	-8.3	0.6	1.2	2.1	1.8	2.4	<20
				4.89	248	31.5	17.1		1.2	1.8	2.7	2.4	-	30
				6.99	354	64.2	34.8		1.5	2.4	3.0	2.7	-	40
180° (2-Way)	61.0	121.9	25.4	4.66	236	24.0	10.9	-2.8	0.6	0.9	1.5	1.2	1.8	25
				6.06	307	40.5	18.4		0.6	0.9	1.8	1.2	1.8	32
				7.46	378	61.3	27.9		0.9	1.2	2.4	0.9	2.4	38
	61.0	121.9	25.4	4.66	236	24.0	10.9	-8.3	0.6	0.9	2.7	1.5	2.7	25
				6.06	307	40.5	18.4		0.6	0.9	2.7	1.5	2.7	32
				7.46	378	61.3	27.9		0.6	1.2	2.4	1.2	2.4	38
180° (2-Way)	61.0	121.9	30.5	4.07	283	22.4	12.4	-2.8	0.6	0.9	2.1	0.6	1.8	20
				5.43	378	39.9	22.1		1.2	1.5	2.7	0.9	1.8	29
				6.79	472	62.3	34.5		1.5	1.8	3.6	1.8	2.4	36
	61.0	121.9	30.5	4.07	283	22.4	12.4	-8.3	0.6	0.9	2.7	2.1	2.7	20
				5.43	378	39.9	22.1		1.2	1.8	2.7	2.1	2.7	29
				6.79	472	62.3	34.5		1.8	2.4	4.0	2.1	-	36

NOTES: Air distribution is strongly affected by the temperature difference between supply and room air (ΔT). In most cases, the unit supplies air colder than the room, typically at about -3°C ΔT. Return air should be exhausted with low sidewall return grilles for optimum performance.

**Radioflo™ (5RF, 5RFHF, 9RF, 9RFHF) Performance Data**

IP DATA: 5RF, 5RFHF, 9RF, 9RFHF, 90°

CRITICAL ROOM PRODUCTS

Throw Pattern	Panel Size		Inlet Dia in	Neck Vel FPM	Air Flow CFM	Pt "WG	Ps "WG	Δ T R	Throw, ft @ fpm					Sound NC
	W	L							Horizontal		Max	Vertical		
	in	in							100	50	50	100	50	
90° (1-Way)	24	24	8	860	300	0.137	0.091	-5	2	3	3	1	2	<20
				1146	400	0.244	0.162		4	5	5	1	2	23
				1433	500	0.381	0.253		5	6	6	1	3	27
	24	24	8	860	300	0.137	0.091	-15	2	3	4	2	3	<20
				1146	400	0.244	0.162		4	5	6	3	5	23
				1433	500	0.381	0.253		5	7	8	4	7	27
90° (1-Way)	24	24	10	550	300	0.061	0.042	-5	3	4	3	1	2	<20
				734	400	0.109	0.075		5	6	7	2	3	<20
				917	500	0.170	0.117		5	8	8	3	4	19
	24	24	10	550	300	0.061	0.042	-15	3	4	5	1	3	<20
				734	400	0.109	0.075		5	6	7	4	7	<20
				917	500	0.170	0.117		5	6	8	6	7	19
90° (1-Way)	24	48	10	917	500	0.136	0.083	-5	2	3	4	2	4	27
				1193	650	0.230	0.141		2	4	4	2	4	33
				1468	800	0.348	0.214		2	5	6	3	5	39
	24	48	10	917	500	0.136	0.083	-15	2	3	5	2	5	27
				1193	650	0.230	0.141		2	4	7	2	6	33
				1468	800	0.348	0.214		2	6	9	5	7	39
90° (1-Way)	24	48	12	764	600	0.128	0.092	-5	1	3	4	1	4	21
				1019	800	0.228	0.163		3	4	5	3	5	30
				1274	1000	0.357	0.255		3	7	9	9	-	37
	24	48	12	764	600	0.128	0.092	-15	2	3	4	2	4	21
				1019	800	0.228	0.163		3	4	5	4	5	30
				1274	1000	0.357	0.255		4	8	9	-	-	37

METRIC DATA: 5RF, 5RFHF, 9RF, 9RFHF, 90°

Throw Pattern	Panel Size		Inlet Dia cm	Neck Vel m/s	Air Flow L/s	Pt Pa	Ps Pa	Δ T K	Throw, m, @ m/s					Sound NC
	W	L							Horizontal		Max	Vertical		
	cm	cm							0.5	0.3	0.3	0.5	0.3	
90° (1-Way)	61.0	61.0	20.3	4.37	142	34.2	22.7	-2.8	0.6	0.9	0.9	0.3	0.6	<20
				5.82	189	60.7	40.3		1.2	1.5	1.5	0.3	0.6	23
				7.28	236	94.9	63.0		1.5	1.8	1.8	0.3	0.9	27
	61.0	61.0	20.3	4.37	142	34.2	22.7	-8.3	0.6	0.9	1.2	0.6	0.9	<20
				5.82	189	60.7	40.3		1.2	1.5	1.8	0.9	0.0	23
				7.28	236	94.9	63.0		1.5	2.1	2.4	1.2	0.0	27
90° (1-Way)	61.0	61.0	25.4	2.79	142	15.2	10.5	-2.8	0.9	1.2	0.9	0.3	0.6	<20
				3.73	189	27.1	18.7		1.5	1.8	2.1	0.6	0.9	<20
				4.66	236	42.3	29.2		1.5	2.4	2.4	0.9	1.2	19
	61.0	61.0	25.4	2.79	142	15.2	10.5	-8.3	0.9	1.2	1.5	0.3	0.9	<20
				3.73	189	27.1	18.7		1.5	1.8	2.1	1.2	0.0	<20
				4.66	236	42.3	29.2		1.5	1.8	2.4	1.8	0.0	19
90° (1-Way)	61.0	121.9	25.4	4.66	236	33.8	20.8	-2.8	0.6	0.9	1.2	0.6	1.2	27
				6.06	307	57.3	35.2		0.6	1.2	1.2	0.6	1.2	33
				7.46	378	86.7	53.3		0.6	1.5	1.8	0.9	1.5	39
	61.0	121.9	25.4	4.66	236	33.8	20.8	-8.3	0.6	0.9	1.5	0.6	1.5	27
				6.06	307	57.3	35.2		0.6	1.2	2.1	0.6	1.8	33
				7.46	378	86.7	53.3		0.6	1.8	2.7	1.5	2.1	39
90° (1-Way)	61.0	121.9	30.5	3.88	283	31.9	22.9	-2.8	0.3	0.9	1.2	0.3	1.2	21
				5.18	378	56.8	40.7		0.9	1.2	1.5	0.9	1.5	30
				6.47	472	88.8	63.6		0.9	2.1	2.7	2.7	-	37
	61.0	121.9	30.5	3.88	283	31.9	22.9	-8.3	0.6	0.9	1.2	0.6	1.2	21
				5.18	378	56.8	40.7		0.9	1.2	1.5	1.2	1.5	30
				6.47	472	88.8	63.6		1.2	2.4	2.7	-	-	37

NOTES: Air distribution is strongly affected by the temperature difference between supply and room air (ΔT). In most cases, the unit supplies air colder than the room, typically at about -3°C ΔT. Return air should be exhausted with low sidewall return grilles for optimum performance.

© KRUEGER 2012

R  
A  
D  
I  
A  
F  
L  
O