

Commercial & Residential Energy/ Heat Recovery Ventilators (ERV/HRV)



- 120V, 60 Hz, 1-Phase
- Max. inlet temp.: 140°F

Reduce energy costs, provide fresh air, and help remove harmful contaminants. For indoor use. Units have 2 outlets and low-voltage dry contacts for remote controls.



No. 3HFH7



No. 3FND8



No. 3HFH1

No. of Speeds	CFM @ Static Pressure Shown				Max. Amps	Sensible Effect. (@ 32°F)	Total Recovery Efficiency (@ 95°F)	H (in.)	W (in.)	L (in.)	Duct Connec.	Agency Compliance	Mr. Model	Item No.	\$ Each		
	0.100"	0.200"	0.300"	0.400"												0.500"	
Energy Recovery Ventilator, Fixed Plate Enthalpy Core, Latent and Sensible Transfer, 2 Inlets and 2 Outlets																	
1	83	78	67	56	42	0.36	63%	42%	17 1/4	10 1/2	18 1/2	4" Round	cCSAus Listed	SE704N	3HFH3	✓✓	865.50
3	162	152	143	134	127	1.5	76%	45%	16 1/2	17 1/2	23 1/2	6" Round	cCSAus Listed	SER1504N	3HFH4	✓✓	1,232.00
3	210	195	182	170	145	1.9	75%	52%	20 1/2	17 1/2	27 1/2	6" Round	cCSAus Listed	SER2004N	3HFH5	✓✓	1,654.00
3	285	262	246	231	219	2.5	76%	54%	20 1/2	25 1/2	27 1/2	8" Round	cCSAus Listed	SER3204N	3HFH6	✓✓	2,672.00
3	612	585	559	533	506	5.5	71%	44%	24	36 1/2	36 1/2	8 X 14"	cCSAus Listed, AHRI Certified	SER5504N	3HFH7	†✓	3,921.00
3	1022	982	942	902	862	11	69%	42%	24	51 1/2	36 1/2	8 X 20"	cCSAus Listed, AHRI Certified	SER8504N	3HFH8	†✓	5,639.00
3	1250	1210	1169	1128	1087	10.8	62%	36%	35	51 1/2	25 1/2	8 X 24"	cCSAus Listed, AHRI Certified	SER11504N	3HFH9	†✓	5,918.00
Heat Recovery Ventilator, Fixed Plate Aluminum Core, Sensible Transfer, 2 Inlets and 2 Outlets																	
1	96	85	67	56	42	0.36	67%	—	17 1/4	10 1/2	18 1/2	4" Round	cCSAus Listed, HVI Certified	SH704	3FND2	✓✓	874.00
3	181	170	159	149	138	1.3	77%	—	16 1/2	17 1/2	23 1/2	6" Round	cCSAus Listed, HVI Certified	SHR1504	3FND8	✓✓	1,127.00
3	243	230	218	201	182	2.1	77%	—	20 1/2	17 1/2	27 1/2	6" Round	cCSAus Listed, HVI Certified	SHR2004	3FND9	✓✓	1,453.00
3	792	757	721	685	650	5.5	63%	—	24	36 1/2	36 1/2	8 X 14"	cCSAus Listed, AHRI Certified	SHR6904	3FNE1	†✓	3,199.00
3	873	843	813	783	754	5.4	63%	—	35	36 1/2	25 1/2	8 X 20"	cCSAus Listed, AHRI Certified	SHR8004	3FNE2	†✓	3,356.00
3	1201	1150	1099	1048	997	11	63%	—	24	51 1/2	36 1/2	8 X 20"	cCSAus Listed, AHRI Certified	SHR11004	3HF68	†✓	4,102.00
3	1601	1545	1489	1434	1378	10.8	55%	—	35	51 1/2	25 1/2	8 X 24"	cCSAus Listed, AHRI Certified	SHR14104	3HF69	†✓	4,392.00
3	873	843	813	781	754	5.4	63%	—	35	36 1/2	36	8 X 20"	cCSAus Listed, AHRI Certified	SHR8005R	3HFH1	††✓	4,022.00
3	1601	1545	1489	1434	1378	10.6	55%	—	35	51 1/2	36	8 X 24"	cCSAus Listed, AHRI Certified	SHR14105R	3HFH2	††✓	5,065.00
Description										For Use With			Mr. Model	Item No.	\$ Each		
Dehumidistat, 20 to 80% Relative Humidity Range, Rotary Dial										3FND8, 3FND9, 3FNE1, 3FNE2, 3HF68, 3HF69, 3HFH1 and 3HFH2			MDEH1	3HFJ1	45.20		
Timer, 20, 40, or 60 Min. Cycle, Push Button										3FND8, 3FND9, 3FNE1, 3FNE2, 3HF68, 3HF69, 3HFH1, 3HFH2, 3HFH4, 3HFH5, 3HFH6, 3HFH7, 3HFH8 and 3HFH9			RTS3	3HFJ2	76.00		
Speed Control, On/Off, Cycle Timer, Push Button										3FND8, 3FND9, 3FNE1, 3FNE2, 3HF68, 3HF69, 3HFH1, 3HFH2, 3HFH4, 3HFH5, 3HFH6, 3HFH7, 3HFH8 and 3HFH9			EDF1	3HFJ3	86.45		
HRV And ERV Control, 24V Programmable Touch Screen, For Use With Fantech SHR, VHR, SER and Flex Series. (Not compatible with SH704 or SE704N.)										Fantech SHR, VHR, SER and Flex Series			ECO Touch	22F246	✓	242.00	

* 3-prong grounded, molded plug. † Hardwired. ‡ Nos. 3HFH1 and 3HFH2 have 3 inlets.

Duct Smoke Detectors

- Operating voltage: 120/24VAC or 24VDC

No. 2GWK9 features a versatile mounting option for square or rectangular configurations. Modular construction allows installation for either round or rectangular ductwork. Allows up to 50 detectors to be interconnected for multifan shutdown. No. 5CGZ1 is NEMA Type 4 and UL Listed.



No. 2GWK9



No. 5CGZ1

No. 5CGZ2

Item	Type	Duct Width (ft.)	Ambient Temp. Limits (°F)	Air Vel. (fpm)	For Use With	Mfr. Model	Item No.	\$ Each
Detectors								
Photoelectric, Duct Smoke Detector	Universal	—	-4 to 158	100 to 4000	—	D4120	2GWK9	✓ 155.25
Duct Smoke Detector	Watertight, Photoelectric	—	-4 to 158	100 to 4000	—	D4120W	5CGZ1	✓ 216.75
Accessories								
Multi Signaling Unit	—	—	14 to 140	—	Mfr. No. D4120W	RTS2-AOS	5CGZ2	✓ 157.00
Multi Signaling Unit	Signaling Device	—	14 to 140	—	Mfr. No. D4120, D4S, D4P120	RTS2	35Z779	✓ 97.50
Photoelectric Power Board	Smoke Detector	—	-4 to 158	100 to 4000	Mfr. No. D4P120, RTS2, DST Sampling Tubes	D4P120	35Z776	✓ 100.20
Photoelectric Sensor	Smoke Detector	—	-4 to 158	100 to 4000	Mfr. No. D4P120, RTS2, DST Sampling Tubes	D4S	35Z775	✓ 94.30
Remote Annunciator Alarm LED	Signaling Device	—	14 to 140	—	Mfr. No. D4120W	RA100Z	5CGZ3	20.81
Remote Annunciator With Piezo Alarm	Signaling Device	—	32 to 120	—	Mfr. No. D4120W	APA151	5CGZ6	36.05
Remote Test Station	—	—	14 to 140	—	Mfr. No. D4120W	RTS151	5CGZ4	44.45
Remote Test Station With Key Lock	—	—	14 to 140	—	Mfr. No. D4120W	RTS151KEY	5CGZ5	✓ 59.85
Sampling Tube	Smoke Detector	1 to 2	—	—	Mfr. No. D4120, D4120W, D4S	DST1.5	26WL2	8.81
Sampling Tube	Smoke Detector	Up to 1ft.	—	—	Mfr. No. D4120, D4S	DST1	35Z777	5.56
Sampling Tube	Smoke Detector	2 to 4	—	—	Mfr. No. D4120, D4120W, D4S	DST3	26WL3	12.19
Sampling Tube	Smoke Detector	4 to 8	—	—	Mfr. No. D4120, D4120W, D4S	DST5	26WL4	14.92
Sampling Tube	Smoke Detector	8 to 12	—	—	Mfr. No. D4120, D4S	DST10	35Z778	27.55
Strobe Light	Smoke Detector	—	14 to 140	—	Mfr. No. RTS2	AOS	35Z780	✓ 48.80

Hot Water Booster Coils



- Flanged or Slip and Drive casing styles
- Aluminum, sine-wave fin design
- Casing constructed of 16 ga. galvanized steel
- MPT Copper connection type
- All coils tested under 450 PSIG of dry nitrogen to guarantee quality assurance
- Certified by AHRI to AHRI Standard 410

Booster coils are designed for air heating applications using hot water and are ideal for both replacement and new construction applications. Coils can be mounted in air-handling units or inside ductwork. Flanged casing coils have 4" casing depth while the slip & drive have 6".



Flanged



Slip & Drive

								FLANGED CASING STYLE					SLIP & DRIVE CASING STYLE				
Fin Height	Fin Length	Face Area (ft²)	No. of Rows	Flow Capacity (GPM)	Total Capacity (MBH)	Air Flow Rate (FPM)	Air Pressure Drop	Casing Height	Casing Length	Mfr. Model	Item No.	\$ Each	Casing Height	Casing Length	Mfr. Model	Item No.	\$ Each
6"	12"	0.5 sq. ft.	1	0.9 gpm	8.6 mbh	375	0.1 psi	8"	14"	W101612N	5GEM4	291.25	6 1/8"	12 1/2"	SP101612N	5GEN6	285.75
9"	12"	0.75 sq. ft.	1	1.3 gpm	12.7 mbh	450	0.1 psi	11"	14"	W101912N	5GEM5	319.75	9 1/8"	12 1/2"	SP101912N	5GEN7	319.75
12"	12"	1 sq. ft.	1	1.8 gpm	17.7 mbh	600	0.1 psi	14"	14"	W1011212N	5GEM6	347.75	12 1/8"	12 1/2"	SP1011212N	5GEN8	347.75
12"	24"	2 sq. ft.	1	3.9 gpm	38.3 mbh	1200	0.1 psi	14"	26"	W1011224N	5GEM7	415.50	12 1/8"	24 1/2"	SP1011224N	5GEN9	407.50
15"	24"	2.5 sq. ft.	1	5.0 gpm	48.7 mbh	1500	0.1 psi	17"	26"	W1011524N	5GEM8	440.25	15 1/8"	24 1/2"	SP1011524N	5GEP0	440.25
18"	24"	3 sq. ft.	1	5.7 gpm	56 mbh	1800	0.1 psi	20"	26"	W1011824N	5GEM9	472.50	18 1/8"	24 1/2"	SP1011824N	5GEP1	482.25
6"	12"	0.5 sq. ft.	2	2.0 gpm	19.8 mbh	375	0.3 psi	8"	14"	W102612N	5GEN0	428.50	6 1/8"	12 1/2"	SP102612N	5GEP2	428.50
9"	12"	0.75 sq. ft.	2	2.8 gpm	27.2 mbh	450	0.2 psi	11"	14"	W102912N	5GEN1	466.00	9 1/8"	12 1/2"	SP102912N	5GEP3	466.00
12"	12"	1 sq. ft.	2	3.8 gpm	37.1 mbh	600	0.2 psi	14"	14"	W1021212N	5GEN2	522.50	12 1/8"	12 1/2"	SP1021212N	5GEP4	522.50
12"	24"	2 sq. ft.	2	7.6 gpm	74.3 mbh	1200	0.2 psi	14"	26"	W1021224N	5GEN3	601.50	12 1/8"	24 1/2"	SP1021224N	5GEP5	613.50
15"	24"	2.5 sq. ft.	2	9.7 gpm	94.1 mbh	1500	0.2 psi	17"	26"	W1021524N	5GEN4	662.00	15 1/8"	24 1/2"	SP1021524N	5GEP6	662.00
18"	24"	3 sq. ft.	2	11.7 gpm	114.1 mbh	1800	0.2 psi	20"	26"	W1021824N	5GEN5	737.00	18 1/8"	24 1/2"	SP1021824N	5GEP7	737.00