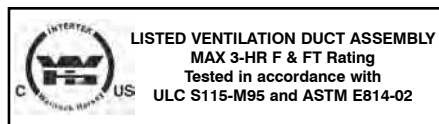




ECCODUCT™
www.eccoduct.com

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ASHRAE
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Heating, Refrigeration, and
Air Conditioning Engineers, Inc.
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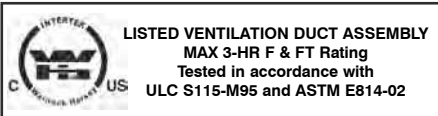
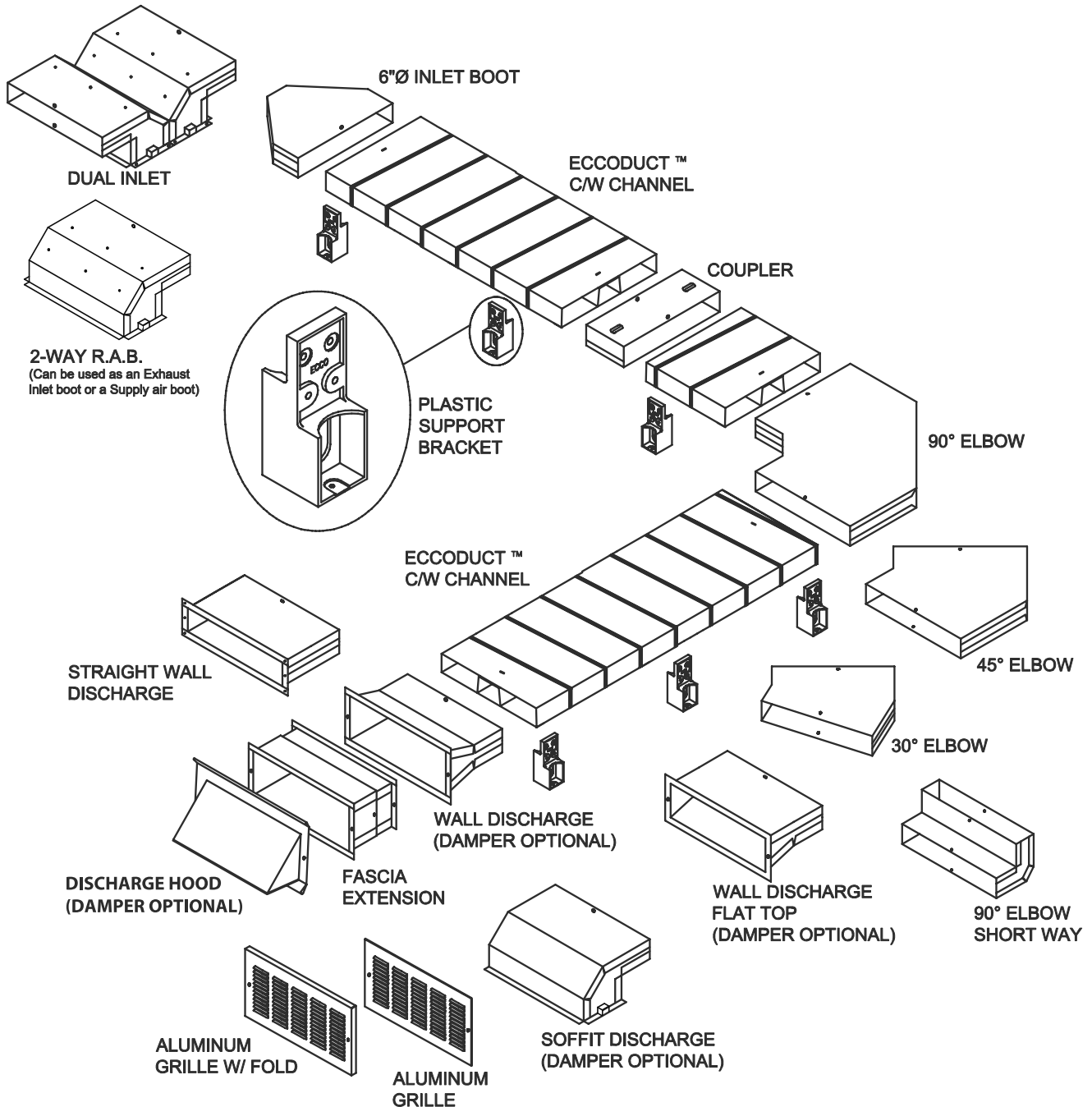
SMACNA
Sheet Metal & Air
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National Association Inc.
www.smacna.org



SPIDA
Spiral Duct
Manufacturers
Association
www.spida.org



ECCODUCT™ COMPONENTS



ALL JOINTS MUST BE WRAPPED WITH DUCT TAPE.

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12" × 1-3/4" ECCODUCT™ FAN SIZING CHART *
CFM's shown on chart are for matching fan delivery to duct system.

		Inlet Static Pressure in Inches of Water													
		.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75
Equivalent Feet of Duct	25	114	139	164	184	201	220	235	250	265	279	290	305	317	328
	30	100	125	148	166	184	201	214	225	240	250	262	276	285	295
	35	92	115	133	152	169	183	197	210	220	233	243	253	264	275
	40	86	107	125	142	157	170	183	195	207	216	225	234	245	255
	45	82	100	117	132	146	158	166	184	192	201	213	221	230	236
	50	76	95	111	125	139	151	162	173	183	192	201	211	220	226
	55	72	89	105	118	132	142	154	164	174	184	192	199	207	214
	60	69	86	100	113	125	135	145	155	165	175	184	192	199	205
	65	66	82	96	108	120	130	140	149	158	167	175	184	190	196
	70	63	78	92	105	116	126	136	146	154	161	169	175	182	190
	75	61	76	88	100	111	121	130	139	148	156	162	170	176	183
	80	57	70	83	96	105	114	120	126	136	144	151	159	165	170
	85	54	68	80	91	100	110	117	123	128	140	146	153	160	164
	90	52	66	77	88	96	106	114	121	126	136	140	145	154	160
	100	51	64	74	84	91	100	107	114	120	129	134	140	147	152
	110	48	58	70	79	87	95	102	110	116	121	128	133	139	145
120	46	56	66	76	84	92	98	105	112	116	120	126	133	138	
130	45	54	65	73	80	87	94	100	106	112	117	121	125	133	
140	43	53	60	71	77	84	90	96	102	108	114	117	121	126	
150	42	51	58	67	75	80	87	93	98	105	110	115	118	122	

Equivalent length of fittings:

- | | |
|--|-------------------|
| Inlet Boot, 26 ft. | 30° Elbow, 7 ft. |
| Wall Discharge with Damper and Grille, 6 ft. | 45° Elbow, 7 ft. |
| Soffit Discharge with Grille, 13 ft. | 90° Elbow, 12 ft. |

Example: A 100 CFM system consists of: inlet boot; 15 ft. duct; one 45° elbow and wall discharge with damper and grille. Total equivalent feet of duct equals 26 + 15 + 7 + 6 which equals 54 feet. Duct capacity required is 100 CFM, therefore, from chart, fan must deliver at least 100 CFM @ 0.20 inches of water static pressure or greater.

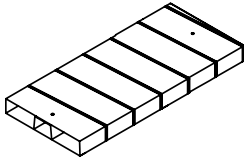
* Based on 4.50" equivalent round diameter.

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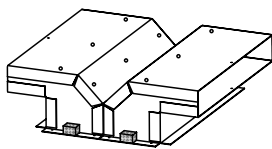
STOCK #	SIZE (")	DESCRIPTION	WT/100	CTN/QTY	PRICE
328012	12 × 1-3/4	Duct with Channel (10 ft.)	2.70	360	P.O.A.



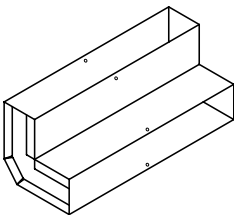
Smooth interior with reinforced channel.

ECCODUCT™ FITTINGS

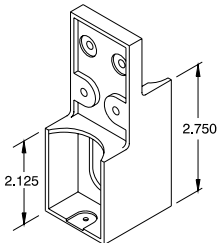
STOCK #	SIZE (")	DESCRIPTION	WT/100	CTN/QTY	PRICE
337432	12 × 1-3/4	6" Inlet Boot Firestop 2-1/8"	275	20	P.O.A.
337435	12 × 1-3/4	6" Inlet Boot Firestop 2-3/4"	282	20	P.O.A.
337436	12 × 1-3/4	6" Inlet Boot Firestop 3-1/4"	290	20	P.O.A.
337332	12 × 1-3/4	5" Inlet Boot Firestop 2-1/8"	265	20	P.O.A.
337336	12 × 1-3/4	5" Inlet Boot Firestop 3-1/4"	280	20	P.O.A.
337828	12 × 1-3/4	Coupler	72	40	P.O.A.
336012	12 × 1-3/4	90° Elbow	500	10	P.O.A.
336112	12 × 1-3/4	45° Elbow	306	10	P.O.A.
336116	12 × 1-3/4	30° Elbow	306	10	P.O.A.
336022	12 × 1-3/4	Short Way 90° Elbow	210	20	P.O.A.
336612	12 × 1-3/4	Wall Discharge	200	20	P.O.A.
336623	12 × 1-3/4	Wall Discharge with Damper	208	20	P.O.A.
336626	12 × 4	Wall Discharge Flat Top	200	20	P.O.A.
336628	12 × 4	Wall Discharge Flat Top with Damper	208	20	P.O.A.
336712	12 × 1-3/4	Soffit Discharge 2-1/8"	235	20	P.O.A.
336716	12 × 1-3/4	Soffit Discharge 3-1/4"	255	20	P.O.A.
336723	12 × 1-3/4	Soffit Discharge 2-1/8" with Damper	235	20	P.O.A.
336726	12 × 1-3/4	Soffit Discharge 3-1/4" with Damper	260	20	P.O.A.
336812	12 × 1-3/4	2-Way Right Angle Boot Firestop — 2-1/8"	265	20	P.O.A.
336816	12 × 1-3/4	2-Way Right Angle Boot Firestop — 3-1/4"	285	20	P.O.A.
336832	12 × 1-3/4	Rectangular Dual Inlet — 2-1/8"	530	–	P.O.A.
336836	12 × 1-3/4	Rectangular Dual Inlet — 3-1/4"	570	–	P.O.A.
599999	12 × 1-3/4	Discharge Hood with Stamped Grille	–	–	P.O.A.
337012	12 × 4	Fascia Extension	276	20	P.O.A.
703404	12 × 4	Aluminum Grille	33	–	P.O.A.
703405	12 × 4	Aluminum Grille with 1/4" Fold	35	–	P.O.A.
703408	–	Plastic Support Brackets 3-1/4" – 2-1/8"	8	100	P.O.A.
703409	–	Plastic Support Brackets 2-3/4" – 2-1/8"	8	100	P.O.A.



Dual Inlet



90° Elbow Short Way



Plastic Support Bracket

Note: Discharge Hoods can be ordered in satin coat or aluminum material.

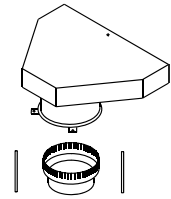
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ECCODUCT™ FITTINGS (cont'd)

STOCK #	SIZE (")	DESCRIPTION	WT/100	CTN/QTY	PRICE
681727	-	446 4" - 6" Increaser Galvanized	-	-	P.O.A.
681726	-	446 5" - 6" Increaser Galvanized	-	-	P.O.A.
706142	-	DBWEF Reflectix Duct Insulation	-	-	P.O.A.
702941	-	N-36-175-9-L Nylon Ties - 36"	200	50	P.O.A.



6" Inlet Boot with optional 446 Increaser

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TYPICAL SPECIFICATIONS FOR IN-SLAB DUCT VENTILATION SYSTEM

In-Slab Duct Ventilation system shall be ECCODUCT™ as manufactured by **ECCO** Manufacturing.

Ducting shall be manufactured with high quality galvanized steel using spiral wound lockseam with internal reinforcing.

All fittings such as couplings, elbows, soffit, and wall discharge heads, grilles, inlet boots and support brackets shall be manufactured by **ECCO** Manufacturing, and installed as an **ECCO** system.

In cold weather climates, ECCODUCT™ shall be externally wrapped with Reflectix DBWEF Duct Insulation on the exterior envelope discharges and intakes. Insulation distance to comply with local codes.

Testing data shall be provided to the engineer prior to installation to ensure the following requirements are met:

- a) The ECCODUCT™ system has a MAX 3-HR F & FT rating tested in accordance with ULC S115-M95 and ASTM E814-02 test requirements.
- b) Impact loading meeting requirements of CAN3 A23.1 M77, Falsework for Construction Purposes.
- c) Point loading meeting requirements of CSA S269.1 1975, Falsework for Construction Purposes.
- d) Airflow and duct friction charts to be provided in accordance with SMACNA and ASHRAE guides.

Installation shall be completed as per “ECCODUCT™ Installation Procedures”, as provided by **ECCO** Manufacturing. Non compliance may result in impeded performance for which ECCO does not assume responsibility.

Disclaimer

ECCO is providing no representations or warranties whatsoever in respect of the ECCO product described herein, whether statutory, expressed or implied by custom or industry practice or otherwise. ECCO's only liability to the customer will be to repair or replace product which is demonstrated in a timely way to have observable manufacturing defects and in any case ECCO's liability shall not exceed the value of the goods being sold. ECCO accepts no responsibility for installation, design or operating deficiencies or problems (including moisture leakage) associated with the product. The customer and any person responsible for installation and operation of our products should ensure that a building contractor, architect and/or engineer be consulted to ensure product is appropriate for, and installation and operation accords to, applicable building codes and prudent installation practices and are consistent with building design and construction, including building envelope.

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